

The Bryological Times  
May 1982, Number 14  
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# The BRYOLOGICAL TIMES

Newsletter of the International Association of Bryologists

May, 1982.

No. 14

## BRYOPHYTES

as useful plants by H. Ando

IN JAPAN, THE HORTICULTURAL USE of bryophytes, especially of mosses, has long been popular in gardening and tray-landscape planting. Foreign visitors to Japan will, I believe, be impressed with the unique feature and beauty of Japanese moss gardens, many attractive examples of which are to be seen at Buddhist temples in Kyoto, the ancient capital of Japan.

Another interesting use of mosses in the Orient was mentioned in the last issue of the *Bryol. Times* 13:5, by Dr. Wu. Gallnuts are an important source of tannic acid in China, where they are formed by the gallfly *Schlechtendalia mimi-fushi* on the petiolar wing of leaves of *Rhus javanaca*. This production is associated with the growth of mosses, especially *Mnium* (s.lat.) species, because the gallfly tides over the winter in cocoons on the mosses. The industrial management of *Mnium* plants for promoting gallnut production is well developed in China where I have learned from a Chinese magazine gall-making flies are raised on *Mnium* plants cultivated under controlled conditions.

In western countries, bryophytes have been considered to be of little practical importance as economic plants, except some mosses used for packing or decoration, and *Sphagnum* which has been used in several ways in the form of raw material or as an aseptic dressing.

Recent progress of bryological science, however, has accumulated many significant commercial contributions and greatly changed our understanding of bryophytes as useful plants. This greater importance of bryophytes is concerned, above all,

with their significance as indicators of soil, water or air conditions, as well as the potential use of their chemical components with biological activity, (e.g. antibiotic, growth inhibitor, contact allergen, tumor-damaging or anti-cancer substance, etc.).

In my recent paper, entitled "Bibliography of the use of bryophytes" (*Hikobia* 8:424-448, 1980), I listed a total of 420 articles published before 1979. The list is, of course, not complete and must be supplemented by further examination. As to the use of peat mosses, about which my bibliography did not contain many references, I have later obtained much information from a chapter by M. Ruel and four others entitled "Industrial utilization of peat moss", pages 221-246 of *Muskeg and the northern environment in Canada*, edited by N.W. Radforth and C.O. Brawner (1977), which was recently given to me by Dr. W.B. Schofield of Vancouver.

Those who are interested in receiving a reprint of the authors' bibliographic paper are asked to write to him. In exchange, if possible, but not obligatorily, the author would welcome an offer of some specimens of *Hypnum*, named or not. These specimens will be used, not as an hypnotic, but as a stimulant for my monographic work on this genus, species of which form a significant part of the economy of nature. My opinion on the identification of specimens will be given promptly.

Botanical Institute,  
Faculty of Science, Hiroshima  
University, Higashisenda-machi,  
Naka-ku, Hiroshima 730, Japan.

Journals cited by  
the names of their  
editors

by Geneva Sayre  
IN 19TH CENTURY BRYOLOGICAL LITERATURE, a number of periodicals are referred to by the names of their editors, in part at least because of the similarity of their titles. Several of these cannot be located in BPH, where only the more obvious, such as "Hooker's Journal" are explicated. The following "working list" gives the necessary data on those most likely to be encountered with some remarks on how they may be dated.

Brande's Journal of Science and the Arts. From Vol 7 Quarterly Journal of Science and the Arts. London. Vols. 1-29 (or new Series 7) "1817" (1816)-1830. Quarterly.

Month date may be inferred from the "meteorological diary" at the end of each part.

Brewster's Edinburgh Journal of Science, Edinburgh. Vols. 1-10, 1824-1829; Series 2, Vols. 1-6, 1829-1832. Quarterly.

Parts dated at the foot of certain pages. It was preceded by Brewster and Jameson's Edinburgh Philosophical Journal, Vols. 1-10, 1819-1824, which was continued by Jameson alone when Brewster founded his own journal.

Desvaux's Journal de Botanique Paris. Vols. 1 & 2, 1808, 1809. Continued as Journal de Botanique Appliquée à l'Agriculture, Series 2, Vols. 3 & 4, 1814, 1815. Monthly.

Dates of parts given in author's Dates of publications, pp. 46, 47.

Hooker's Journal of Botany, London & Edinburgh. Vols. 1-4, 1834 - 1842. Eight parts a year (only 4 in Vol. 1).

For dates see TL-2(2); 293.

Hooker's London Journal of Botany, London. Vols. 1-7, 1842-1848. Monthly.

Parts dated in TL-2(2); 297.

Hooker's Journal of Botany and Kew Garden Miscellany. Vols 1-9, 1849-1857. Monthly.

Parts dated in TL-2(2); 298, 299.

König [sic] and Sims's Annals of Botany, London. Vols. 1 & 2 "1805" (1804) - 1806. Three parts a year.

For dates see Greene (1958). A different Annals of Botany, London, began publication in 1887 and is still being issued.

Schrader's Journal für die Botanik, Göttingen. 1799- "1803" (1804). Succeeded by Neues Journal für die Botanik, Vols. 1-4, 1805-1810.

Parts dated in author's Dates of publications, pp. 73-75.

Seeman's Journal of Botany British and Foreign, London. Vols. 1-9, 1863-1871. Monthly.

Dates on the parts. A series 1-8 (Vols. 10-17 1872-

-1879, was called from the name of its new editor, Trimen's Journal. The names of later editors are seldom cited; it ceased publication in 1942.

Sillman's American Journal of Science and Arts, New Haven Conn. Vol. 1 appeared as American Journal of Science. (Series 1) Vols. 1-50, 1818-1845; Series 2, Vols. 1-50, (51-100), 1846-1870; etc. After Vol. 1, the first series appeared quarterly, the second series six times a year.

From Vol. 36, 1839, parts are dated at the foot of the pages. Sillman died in 1864; the Journal itself continues to the present time with, in 1880, a return to the title American Journal of Science.

#### References

BPH. 1968. B-P-H. Botanico Periodicum-Huntianum, Pittsburgh, Pa., Hunt Botanical Library.

Greene, S.W. 1958. C. König & J. Sims's Annals of Botany, London. J. Soc. Bibliogr. Nat. Hist. 3:319-320

Sayre, G. 1959. Dates of publications describing Musci, 1801-1821. Troy, New York, The author.

TL-2. Stafleu, F.A. and R.S. Cowan. 1979. Taxonomic literature. Ed. 2 Vol. 2. Regnum Veg.

## Membership of IAB

THE FOLLOWING LISTS, covering the period 1 September 1981 to 31 January 1982, update those already published. The last list appeared in Bryol. Times 12:6.

#### New Members

Catcheside, D.G.; Karttunen, Krister; Lou, Jing-shing; Mishler, Brent D.\*; Odu, E.A.; Piippo, Sinikka\*; See, Anne\*; Srivastava, Surendra Nath\*; Steen, A.J.\*; Thiers, Harry D\*; Werner, Jean\*; Zielman, H.R.\*.

#### Addresses

Mishler, Brent D. Harvard University, Herbaria Building, 22 Divinity Avenue, Cambridge, Mass. 02138, U.S.A.

Piippo, Sinikka, Botanical Museum, University of Helsinki, Unionkatu 44, 00170 Helsinki 17, Finland.

See, Anne, 36, Rue des Fédérés, 93100 Montreuil, France.

Srivastava, Surendra Nath, Department of Botany, C.M.P. Degree College, Allahabad, India.

Steen, A.J., 1610, Barry Ave. 3, Los Angeles, CA 90025, USA.

Thiers, Harry D. Dept. of Biological Sciences, San Francisco State University, 1600 Holloway Ave., San Francisco, CA 94132, U.S.A.

Werner, Jean, 14, Rue Henri Pénis, L-2322-Luxembourg.

Zielman, H.R. Van Lieflandlaan 120, 3571 A.H., Utrecht.

#### Change of Address

Gardiner, J.C. Flat No. 3, 7 Cleveland Square, London W2 6DH, Great Britain.

Lane, David M. 62 Oak Street, Dover, NH 03820, U.S.A.

Magill, R.E. 679, West Washington, Stephenville, TX 76401, U.S.A.

Pedersen, A. Thorvald Meyers gt. 85F, Oslo 5, Norway.

NOTE: Addresses are only given for those members with an \* after their surname or family name, i.e. for those whose names will not be found in S.R. Gradstein's Directory of bryologists and bryological research, Ed. 2 (Regnum Vegetabile, Vol. 99, 1979) or where their present address is different to that given in the Directory.

## ADVANCES

### Presented To Dr. Verdoorn

ON FRIDAY, MARCH 12th, Dr. S.R. Gradstein visited Dr. Frans Verdoorn and presented him with a copy of the Advances in Bryology, on behalf of the members of the Executive Committee I.A.B., the Editor and the Editorial Board. The occasion was the 50th Anniversary of the appearance of Verdoorn's Manual of Bryology in 1932. Dr. Gradstein conveyed greetings and messages of congratulation at the same time presenting him with some dedicatory letters. Dr. Verdoorn was very pleased and honoured by these tributes. The occasion was toasted in the appropriate fashion.

S. R. Gradstein

## GENEVA WORKSHOP

### PROCEEDINGS

AS ANNOUNCED IN BRYOL. TIMES 10: 8, Herr Cramer will publish the Proceedings which will appear as Beiheft 71 of Nova Hedwigia. It will contain 82 articles by 44 authors in c. 560 pp.

At the time of writing (end of April) all the proofs have been read by the authors and the editors are completing the last stages of their reading of the page proofs. The volume is already offered for sale in booksellers' catalogues and its appearance should not be delayed much longer.

S. W. Greene

## BRYOLOGY in Mexico

BRYOLOGY IS A NEW DISCIPLINE in Mexico. Historically, this country has been the subject of attention by numerous European and American bryologists and collectors since the mid-19th century and even earlier. However, it was not until 1973 that a formal bryological program was established at the National University (UNAM) in Mexico City. The author is responsible for it.

To date, most bryological activities in Mexico are centered around the National University and Instituto Nacional de Investigaciones sobre Recursos Bióticos (INIREB) in Xalapa, Veracruz. It may be of interest to examine the nature of these activities and the research now under way at both institutions.

1. Departamento de Botánica, Instituto de Biología, U.N.A.M. The herbarium (MEXU) holds the largest bryophyte collection in Mexico (ca. 18,000 specimens). Important collections are those of Pringle, Amable, Sharp, Pursell and Reese, Crum, Vitt, Churchill, Frahm and Delgadillo. Most specimens are American, but European and Asiatic collections are also represented. The staff of the bryophyte herbarium consists of Claudio Delgadillo and Ma. Angeles Cárdenas and Bernardina Bello (assistants).

Bryological research at UNAM is mostly concerned with the phytogeography of Mexico. Current investigations attempt to evaluate the role of the Neovolcanic Axis, (a mountain range extending from east to west through the entire width of the country) as a barrier and route of migration for mosses. This project includes floristic studies such as "The mosses of Zacatecas", "Alpine mosses of Veracruz" and "A catalogue of mosses of Veracruz State". The mosses of the Yucatan Peninsula are also being studied so as to have a broad perspective of the floristic relationships of the country. These studies are conducted by C. Delgadillo and Ma. A. Cárdenas, with the collaboration of others.

Besides floristic work, C. Delgadillo and E. Pérez Bandín have attempted to make estimates of dispersal capabilities

of certain mosses. Preliminary tests in a low-speed wind tunnel, using *Polytrichum juniperinum* as experimental material, indicate the feasibility of studying spore liberation under controlled conditions. Other tests are underway.

2. Instituto Nacional de Investigaciones sobre Recursos Bióticos (INIREB). The bryophyte herbarium (XAL) was established in late 1979 and at present contains about 800 moss specimens. Emphasis is placed on mosses of the State of Veracruz, but other areas in Mexico and elsewhere are also being considered. The unique feature of this herbarium is the information storage and retrieval system developed by A. Gómez-Pompa and collaborators for the well-known Flora of Veracruz Project. Under this computer-assisted system, questions concerning field distribution and other data for bryophytes can be answered rapidly. Staff in the bryophyte herbarium are Lucio Gil Juárez and Delfino Hernández, with the assessorship of C. Delgadillo.

Research now underway at INIREB includes floristic studies on mosses of Coatepec, Huayacocotla (L.G. Juárez) and Sierra de Santa Marta (D. Hernández), all within the State of Veracruz.

Besides activities at UNAM and INIREB, a collection of bryophytes is kept at Escuela Nacional de Ciencias Biológicas Instituto Politécnico Nacional in Mexico City. The bryophyte herbarium (ENCB) contains about 2,250 specimens; the curator is Dr. Jerzy Rzedowski, assisted by Ma. A. Cárdenas.

Correspondence related to the bryophyte herbaria of INIREB and ENCB should be addressed to the following:

Dr. Arturo Gómez-Pompa, Instituto Nacional de Investigaciones sobre Recursos Bióticos, Apartado Postal 63, Xalapa, Veracruz, Mexico.

Dr. Jerzy Rzedowski, Departamento de Botánica, Escuela Nacional de Ciencias Biológicas, IPN, Apartado Postal 17-564, Mexico 17, D.F.

Departamento de Botánica, Instituto de Biología, U.N.A.M., Apartado Postal 70-233, Mexico 20, D.F.

C. Delgadillo M.

## News From Societies

SOME TIME AGO your Editor wrote to the Honorary Secretaries of all the Regional Bryological Societies (RBS) offering each the opportunity of regularly publicising information about their Societies likely to be of interest to bryologists the world over. Here is the first reply received.

### BRYOLOGICAL SOCIETY OF JAPAN

THE BRYOLOGICAL SOCIETY of Japan was founded in April, 1972, with the aim of promoting bryology in Japan. The number of members is 315, including 12 foreign members. The activities of the Society include (i) publication of its proceedings, (ii) holding an annual meeting; and (iii) arranging a field excursion. The annual meeting usually takes place in August.

The annual meeting for 1981 was organized by Dr. S. Inoue of Kumamoto University at the Aso National Park in Kyushu and more than 120 members attended. The meeting celebrated the Tenth Anniversary of the Society, and the events included (i) a paper-reading session, (ii) a society banquet, (iii) a business meeting; and (iv) a field excursion.

The annual meeting for 1982 will be organized by Dr. I. Kawai and is to be held in August at a mountain side in Toyama Pref. Already some 80 members are planning to participate.

The Proceedings of the society are published three times a year and have now reached vol. 3, no. 4 (March 10 1982). The Proceedings include several original papers and some information in Japanese, but all original papers have English titles and summaries.

Most of the Society members are non-professional bryologists and include many school teachers, university students, businessmen, etc. The office of the Society is at the Department of Botany, National Science Museum, Hyakunincho, Shinjuku, Tokyo 160. The President of the Society is Dr. Hyoji Juzuki and the Secretary is Dr. H. Inoue of Tokyo.

H. Inoue. Sec. Bryol. Soc. Japan.

## WORLD CONFERENCE OF BRYOLOGY

TOKYO, MAY 1983.

MORE THAN 100 BRYOLOGISTS, excluding Japanese, have expressed their interest in attending the conference. On 26th March, 1982, the Organizing Committee discussed possible plans for the scientific and social programmes, as well as other activities. The following are some of them:

### 1. Contributed paper sessions

Morning sessions of 23rd (Mon.) 24th (Tue.), 26th (Thu.), and 28th (Sat.), will be used for the contributed papers. All intending authors must submit an abstract on the form provided, which must arrive by the end of Jan. 1983. Contributed papers to be presented as talks will be allowed 15 minutes, followed by a 5 - minute discussion period.

### 2. Symposia

The following three symposia are planned for the afternoons. For each symposium, a number of speakers (around 4), will be nominated by each convenor.

23rd (Mon.) Symposium 1.  
Phytogeography of bryophytes in Asia and the Pacific.  
Convenor: W.B. Schofield.

24th (Tue.) Symposium 2.  
Recent aspects of physiology and ecology in bryophytes.  
Convenor: M. Bopp.

26th (Thu.) Symposium 3.  
Bryology (and its methodology) for the '80s.  
Convenor: L.E. Anderson.

Drs. Schofield, Bopp & Anderson have agreed to act as convenors. The names of the

speakers in these symposia will be announced in the second circular. About 30 minutes for the talk, followed by a 15-minute discussion period may be allowed for each speaker.

### 3. Field trip, etc.

All participants can enjoy a field trip to Mt. Fuji, the highest mountain in Japan, on 25th (Wed.). Various activities, including a field trip to the Chichibu Mountains, a visit to Hokone (for its moss garden), shopping and sightseeing in Tokyo, are planned for 27th (Fri.), a free day.

### 4. Special tours

Tours to Kyoto, Hiroshima, Nichinan, etc. are planned for after the conference. Participants on these special tours will be able to enjoy sightseeing in Kyoto (including moss gardens); sightseeing on Miyajima Island and a visit to the herbarium of Hiroshima University in Hiroshima; and field trips to some sub-tropical forests, as well as a visit to the Hattori Botanical Laboratory, and some sightseeing along the coast in Nichinan.

### 5. Second Circular

A more detailed programme will be announced in the second circular, which will be mailed in Oct. 1982 to those members who returned the questionnaires sent with the first circular.

Z. Iwatsuki, Programme Secretary. Hattori Botanical Laboratory, 3888 Obi, Nichinan-Shi, Miyazaki-ken 889-25, Japan.

## Desiderata

WANTED: LIVING *Conocephalum conicum* AND ALL SPECIES OF *Pellia*

INTRASPECIFIC DIFFERENTIATION in *Conocephalum conicum*, and in various species of *Pellia* is being studied by various methods and in different parts of the world, (see e.g. Markham et al. 1976, *Phytochemistry* 15; Szweykowski, Odrzykoski & Zieliński 1980, *Bull. Acad. Sci. Pol.* 28; Szweykowski, Zieliński & Mendelak 1981, *Bull. Acad. Sci. Pol.* 29; Porter 1981, *Taxon* 30; Schuster 1981, *J. Bryol.* 11, etc.). However, for obtaining data on genetic differentiation, culture in similar conditions is necessary in order to eliminate the modificatory influences of environments acting in the natural places of occurrence.

To continue our studies, we are in great need of living material, particularly from North America, Asia, North Africa and, as far as Europe is concerned, from Scandinavia and from the Iberian Peninsula. However, samples from all other countries will be welcomed too. We would be most grateful to anyone who can send us even small samples, but they have to be living on arrival, i.e., it is necessary to send them by air mail in a sealed plastic bag. We thank all our contributors in advance!

Mailing address: Dr. Jerzy Szweykowski, Dept. of Genetics, Adam Mickiewicz University, Dabrowskiego 165, 60-594 Poznań, Poland.

WANTED: *Philonotis* from Africa

I HAVE RECENTLY CONFIRMED TWO specimens of *Philonotis marchica*, new to South Africa. They were collected by Dr. S. Risse of West Germany.

I would be grateful to receive additional South African material of *Philonotis* from other bryologists who have collected in this area.

J.H. Field.

North Warwickshire College of Technology, Hinckley Road, Nuneaton CV11 6BN, ENGLAND.

## EXCHANGE AND MART

U.S. *Exsiccata* For Sale

DURING 1981 we collected bryophytes in different parts of the U.S.A. From these collections we made 10 series of *exsiccatae*, each of them consisting of 400 mosses and 100 hepatics. The price for one series is 625DM (plus postage) and fee if payment is made by bank cheque.

Anyone wishing to buy a series should contact Dr. R. Duell, Universität Duisburg, FB 6, Botanik, Lotharstrasse 65, 4100 Duisburg, West Germany. Anyone wishing to pay by international postal money order should send the remittance to Dr. R. Duell, Hochend 62a, 413 Rheurdt, West Germany, and there will be no charge.

## ORGANIZATION FOR THE PHYTO-TAXONOMIC INVESTIGATION OF THE MEDITERRANEAN AREA (OPTIMA)

THE 4TH OPTIMA MEETING will take place in Sicily (Palermo and Madonie Mountains) from June 6 to 12, 1983. It will be preceded by technical meetings of the various Commissions and Committees on June 4 to 5 in Palermo. The main subjects for symposia at the meeting will include: Taxonomic botany and floristics in Italy; Mediterranean cryptogamic botany; Palynostratigraphical and paleobotanical contributions to the history of the Mediterranean plant groups. Various excursions to the Madonie Mountains and to Mount Etna will also be organized, as well as a poster session.

Attendance at the meeting of the OPTIMA Bryophyte Working Group and at the International Bryological Conference in Tokyo, May 22 to June 3, 1983, can easily be combined. There are frequent domestic flights from the international airport in Rome to Palermo.

Further information from Dr. C. Heyn, Dept. of Botany, Hebrew University of Jerusalem, Israel.

## Personalia

Dr. L. E. Anderson, Ex President IAB, has retired "officially" from the Faculty and Department of Botany, Duke University, as and from 23 April 1982. He will however be continuing with his bryological work and may be contacted at his usual address.

JOHN A. CHRISTY has been appointed bryophyte collections manager at Milwaukee Public Museum (MIL). The position is funded by a grant from the Institute for Museum Services. MIL is seeking exchange and gifts of named bryophytes from any region of the world, and will also consider purchases of such material. If interested, please contact Dr. Martyn J. Dibben, Section for Botany, Milwaukee Public Museum, 800 West Wells Street Milwaukee WI 53233, U.S.A.

PROF. Dr. W. FREY, formerly of the Institut für Biologie, Lehrbereich, Spezielle Botanik Tübingen, has now moved to the Institut für Systematische Botanik und Pflanzengeographie der Freien Universität, Berlin, Altensteinstrasse 6, 1000 Berlin 33., B.R.D.

## SPIRAL MOSSWORD

HERE IS THE RESULT OF THE puzzle published in Bryol. Times, 11:8. Only one member tried it! Rednaz is so disappointed!

### Editor's Note

If you wish to be spared further "Rednazisms" please send some other sort of humorous material. He says he is working on "Famous nomin nuda". What next?

Why not try to unmask him? Best suggestion will be published - if printable - it's up to you!

B	L	E	P	H	A	R	O	S	T	O	M	A
E	A	L	A	R	I	S	T	A	M	M	O	T
C	L	L	E	P	T	O	R	T	U	L	U	E
N	A	A	W	N	E	C	K	E	E	A	S	R
A	H	L	L	A	T	E	R	S	L	M	S	E
L	T	L	E	F	R	E	I	E	O	I	E	T
L	R	I	N	A	E	D	N	C	B	N	S	E
E	A	P	O	E	S	I	C	U	E	A	S	X
S	I	A	D	L	R	E	D	N	A	C	I	C
S	N	R	O	G	Y	Z	R	U	K	K	L	U
U	E	O	S	O	T	N	E	M	O	T	E	R
R	T	T	I	M	U	Y	R	B	O	C	U	R
O	H	P	O	H	C	N	O	D	O	T	N	E

## Recent Publications

Bryologist 84(4), 1981.

Cryptogamie, Bryol. Lichén. 3 (1), 1982.

J. Bryol. 11 (4), 1981.

J. Hattori Bot. Lab., No. 51, 1982.

Lindbergia 7 (2), 1981; 8 (1), 1982.

Nova Hedwigia 35 (1), 1981.

Proc. Bryol. Soc. Japan 3 (3), 1981; 3 (4), 1982.

[Bryomania Issue 35/53, 1 April 1979]

VOGELZANG, L. (ed.). 1982. Guide to the prices of anti-quarian and secondhand botanical books (1970-1979): Cryptogamic literature (Algae, desmids, ferns, Fungi, lichens, mosses, phytopathology, phytoplankton, Boerhaave Press, P.O. Box 1051, 2303 BB Leiden, Holland. 517 pp. Price D.Fl. 95 (including postage and packing).

The forward states "More than 4,500 titles of books, monographs, journal articles, periodicals, are included in this guide, each of them provides full bibliographical details of author, title, edition, series, pages, figures, plates, maps, tables, etc. Russian literature is excluded from the guide. Two prices for a book, offered in one year, mean the highest and the lowest price".

## IDC CATALOGUES, 1982.

Botany: Research collections on microfiche. 5th cumulative catalogue. Inter Documentation Company AG, Poststrasse 14, 6300 Zug, Switzerland. 145 pp.

This is the most recent IDC catalogue showing the comprehensive range of botanical works (books, monographs, serials, herbaria) available on microfiche. For a free copy write to IDC, Zug, Switzerland.

## New I.A.B. Publication

INDEX TO PLANT CHROMOSOME NUMBERS - BRYOPHYTES by R. Fritsch

Regnum Veg. Vol. 108:1-268, 1982.

This Index presents an authoritative, up-to-date world listing of the chromosome counts of bryophytes, both liverworts and mosses, published until 1981. Chromosome numbers are listed for taxa arranged in an alphabetical sequence, and each count is accompanied by author and year of publication, origin of the material and indication of meiotic or mitotic count and karyotype or idiogram. An introduction and full bibliography are also included. The Index has been reviewed for publication by W.C. Steere (mosses) and H. Inoue (hepatatics).

Members of I.A.B. in good standing are entitled to one copy of the Chromosome Index at a discount of 50%:

Regular price D.fl. 42,50

(US \$ 17.00)

I.A.B. Membership price

D.fl. 21,25 (US \$ 8.50)

Send order, with your cheque, to IAB, Heidelberglaan 2, Uithof, 3584 CS Utrecht, Netherlands.

CORLEY, M.F.V. & M.O. Hill, 1981. (ed.).  
Distribution of bryophytes in the British Isles: a census catalogue of their occurrence in vice-counties.

Available from British bryological Society, c/o Department of Botany, National Museum of Wales, Cardiff CF1 3NP, Wales. Price £5.00 incl. postage.

Vice-county distributions are listed for all species, sub-species and varieties of bryophytes in the British Isles. There is an index to all bryophyte maps hitherto published by the British Bryological Society through its mapping scheme. Taxonomic revisions and species notified since publication of the standard British floras are cited in the annotations.

## DIARY

SECRETARIES OF BRYOLOGICAL SOCIETIES, organizers of symposia, workshops, or anyone with knowledge of a meeting or event of interest to bryologists which has not yet taken place, and has not already been noticed in these columns, are asked to send details direct to the Editor of this Newsletter. The more complete and up-to-date the diary, the more useful it will be.

ABLS = American Bryological and Lichenological Society; BLAM = Bryologisch-Lichenologische Arbeitsgemeinschaft für Mitteleuropa; BBS = British Bryological Society; CEBWG = Central and East European Bryological Working Group; NBS = Nordic Bryological Society; OPT-BWG = OPTIMA - Bryophyte Working Group; SBLS = Swiss Bryological and Lichenological Society. SEB = Society for Experimental Biology; WMBE = Working Group for Mapping the Bryophytes of Europe.

14-16 May. BLAM. Marktheidenfeld. W. Germany. Annual field meeting along the Main between Würzburg and Aschaffenburg, south-east of Frankfurt. Information from Dr. G. Philippi, Landessammelungen für Naturkunde, 7500 Karlsruhe, W. Germany.

14-19 June. CEBWG Prague. 3rd Biennial meeting. For details see Bryol. Times 9:10.

30 June- 7 July. NBS Vinderup, Northern Jylland, Denmark. Latest date for registration 15 May. Further information from Dr. G.S. Mogensen, Botanical Museum, Gothersgade 130, DK-1123 Copenhagen K, Denmark.

6 - 8 July. SEB. Dublin, Ireland. Experimental biology of lichens and mosses. Offers of papers and details: Prof. D.H.S. Richardson, School of Botany, Trinity College, Dublin 2, Ireland.

28 July - 4 Aug. BBS Summer field meeting, Penrith, Cumbria. Local Sec.: Mr. P. Taylor, 2 Meadowside, off Sedbergh Rd., Kendal, Cumbria. For details see Bull. BBS. 39: 21-23.

7 - 8 Aug. ABLs. Pennsylvania, U.S.A. Annual Foray. For preliminary announcement see Bryol. Times 12:7.

Aug. 2nd half. SBLS. Field meeting Lugnez (Grison). For details contact Dr. K. Ammann, Botanisches Inst., Altenbergrain 21, CH-3013, Bern, Switzerland.

Sept. 1982. BLAM. Eifel, W. Germany. Field meeting based on Ripsdorf (near Blankenheim), organized by Prof. Dr. R. Düll, Gesamthochschule, F.B. Biologie, Lotharstr. 65, 4100 Duisburg, West Germany.

Sept. 3-5. S.B.L.S. Annual assembly. Vallon de Pont de Nant (Alpes vaudoises). For details contact Dr. K. Ammann, Botanisches Inst., Altenbergrain 21, CH-3013, Bern, Switzerland.

24-26 Sept. BBS. Paper reading meeting and A.G.M., Nottingham. Local Sec.: Dr. J. O. Rieley, Dept. of Botany, University of Nottingham, University Park, Nottingham NG7 2RD, England. For preliminary notice see Bull. BBS. 39: 21-23.

30 Oct.- 2 Nov. WMBE. Belgium. Second meeting in Mont Rigi, Ardennes. Information and registration; Prof. R. Schumacker, Station Scientifique des Hautes Fagnes, Mont Rigi, B-4898 Robertville, Belgium.

27-28 Nov. BBS. Taxonomic Workshop, Bradford. Local Sec.: Dr. M.R.D. Seaward,

Postgraduate School of Studies in Environmental Science, University of Bradford, Bradford BD7 1DP, England. For preliminary notice see Bull. BBS. 39: 23-25.

For details of BBS local meetings during 1982, see Bull. BBS. 39: 23-25.

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1-11 Feb. 15th Pacific Science Congress. Dunedin (New Zealand). For preliminary announcement see Bryol. Times 3:4. Information from: The Secretary General, 15th Pacific Science Congress, P.O. Box 6063, Dunedin North, New Zealand.

22-28 May. Tokyo. World Conference of Bryology. For programme details see this issue p.3. Further details from: Dr. Z. Iwatsuki, Hattori Botanical Laboratory, Obi, Nichinan-shi, Miyazaki Pref. 889-23 Japan.

6-12 June. OPT-BWG. Palermo, Sicily. Symposium on Mediterranean Cryptogamic Botany. (See this issue, p. 5.).

THE INTERNATIONAL ASSOCIATION OF BRYOLOGISTS publishes The Bryological Times every two months, and Advances in Bryology every two years. Material for The Bryological Times can be sent at any time (see below), but articles for the Advances should be discussed first with its editor, Dr. Schultze-Motel (Berlin). The Editors do not accept responsibility for views expressed by authors.

For details regarding membership of the International Association of Bryologists (currently US \$ 8.00 p.a. etc.), write to the Honorary Secretary, Dr. S.R. Gradstein, Instituut voor Systematische Plantkunde, Heidelberglaan 2, 3584 CS Utrecht, The Netherlands.

CORRESPONDENCE CONCERNING MAILING of The Bryological Times to: M.A. van Slageren, Instituut voor Systematische Plantkunde, Heidelberglaan 2, 3584 CS Utrecht, The Netherlands.

ITEMS FOR NEXT ISSUE OF The Bryological Times to be with the Editor, Dr. S.W. Greene, Department of Botany, The University of Reading, London Road, Reading, Berkshire RG1 5AQ, England. (Telex 847813 RULIB) by 1 June at the latest.

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