

PHYCOLOGICAL NEWSLETTER

Vol. 6, No. 3

December 1970

Editor: J. Ramus, Department of Biology, Yale University, New Haven, Ct. 06520

Seventh International Seaweed Symposium, Sapporo, 8-12 August 1971.

The Seventh International Seaweed Symposium organized by the Science Council of Japan under the auspices of the International Advisory Committee of the Symposium will be held in Sapporo, Japan, from August 8th to 12th, 1971.

The scientific program will consist of special lectures, original communications, phycological field excursions and a special exhibition.

A post-symposium tour will be organized to Kyoto and Osaka from August 13th to 16th. It will also be possible to visit some seaweed industries and to enjoy a field trip along the beautiful coast of the Kii Peninsula in the middle of Japan.

The number of simultaneous sessions will be kept to a minimum. There will be no official language, but it is preferable that papers are read in English. No facilities are available for interpretation.

A second circular will be issued early in autumn. It will provide application forms for registration and accommodations, together with details of hotels, modes of travel and submission of abstracts.

Requests for the second circular should be sent by air mail to:

Dr. Mitsuo Chihara, Secretary
Seventh International Seaweed Symposium
c/o National Science Museum
Ueno Park, Tokyo 110, JAPAN

XII Pacific Science Congress, Canberra, 18 August-3 September 1971.

A 1½ day symposium on Marine Productivity will be held, and possibly a post-Congress field trip for phycologists.

This field trip would occupy about 8 days, leaving from Canberra and passing through the Snowy Mountains to Melbourne, thence around the coast to Adelaide where it would terminate. Air connections back to Melbourne or Sydney are readily available. The cost (very roughly) is estimated at about \$120 Aust. (inclusive).

Participants would see typical areas of the southern Australian coastline and gain considerable field experience with the rich marine algal flora. Laboratory facilities would be available at the end of the trip.

It is essential that we obtain some idea of how many may be interested in this field trip. If you are either definitely or possibly interested, would you please write as soon as possible to:

Dr. H. B. S. Womersley
Department of Botany
University of Adelaide
Adelaide, SOUTH AUSTRALIA 5001

Seascape, a phycological bard-dropping by C. Lobban (Nov. 1969)

sacrifice at sea
soapy save-our-souls
spumes and spittles and sudsily bubbles
from fishy faces face-up and finished
in sodium stearate statues
they slivered with slippy soapy plants
they put them up to soap-plants.

my algae
under a scum of crud ...
sea-soaked soapy seaweeds -

it's the flotsam
what getsam.

New Publications

Algological Studies 1; published by the Czechoslovak Academy of Sciences, Institute of Microbiology, Laboratory of Algology, Trebon, 1970; distributed by E. Schweizerbart'sche Verlagsbuchhandlung (Nagele u. Obermiller), 7 Stuttgart 1, West Germany; DM 36,--.

The first of a series to cover the entire field of algology, reporting the results of investigations of fundamental and applied character. From Number 2 onwards, Algological Studies will be published as a separate Supplement of Archiv fur Hydrobiologie.

Contributions in Phycology; edited by Bruce C. Parker and R. Malcolm Brown, Jr.; published by the students of Harold C. Bold and the Department of Biology, Virginia Polytechnic Institute; available September 1970 from Bruce C. Parker, Department of Biology, V.P.I., Blacksburg, Virginia 24061; \$15 U.S.

This book, designed as a reading supplement for courses in phycology, includes papers on systematics, phylogeny, morphology, cytology, ecology and physiology.

Selected Bibliography on Algae, No. 10 is now available from the Nova Scotia Research Foundation, 100 Fenwick St., Box 790, Dartmouth, Nova Scotia. \$10.

News of Colleagues

Charles Yentsch, formerly of Nova University, was recently appointed director of the University of Massachusetts Marine Station at Gloucester Point, Massachusetts. James R. Sears is currently doing postdoctoral research with Dr. Yentsch at Gloucester Point.

A. Henry Latorella (University of Maine) has accepted a position at SUNY Genesco, N.Y., beginning September 1970.

Research in Progress

Robert L. Vadas, University of Maine. A study, supported by the Maine Yankee Power Company, on the effects of thermal loading from a nuclear power plant on benthic marine algae; another study, supported by O.W.R.R., on the effects of chlorinated hydrocarbons on the growth of marine micro-algae; continuing work on distribution and abundance patterns of benthic marine algae in Maine, with special emphasis on the Damariscotta River Estuary.

Theses recently completed or in progress include:

Paul D. Ring. Developmental and ecophysiological studies of Chondrus crispus. M.S. 1970.

Wayne M. Petrie. Distribution of the phytoplankton in the upper Damariscotta River-Estuary, Lincoln, Maine. M.S. candidate 1970/71.

Algot T. Runeman. Seasonal variation and productivity of Aufwuchs diatoms in the Damariscotta River-Estuary. M.S. candidate 1971.

Charles L. Frey. Seasonal fluctuations of phytoplankton in an Iranian Salt Lake. M.S. candidate 1971/72.

Paul C. Rusanowski. Ecological, cytological, and E.M. studies on Fucales in Maine. Ph.D. candidate 1972.

Andrea Titus Margolis. Ecological and culture studies on tidepool algae in Maine. M.S. candidate 1972.

Committee for Algal Nomenclature

The XIth International Botanical Congress, held at Seattle, 24th August-2nd September, 1970, appointed the following as members of the Committee for Algal Nomenclature:

G. F. Papenfuss (USA), Chairman
P. S. Dixon (USA), Secretary
P. Bourrelly (France)
M. Chihara (Japan)
T. Christensen (Denmark)
T. V. Desikachary (India)
M. S. Doty (USA)
J. Gerloff (Germany)
C. van den Hoek (Netherlands)
J. Komarek (Czechoslovakia)
A. R. Loeblich, Jr. (USA)
H. Luther (Finland)
R. Ross (UK)
P. C. Silva (USA)
R. Simonson (Germany)
H. B. S. Womersley (Australia)
A. D. Zinova (USSR)

Proposals for conservation and other matters concerned with algal nomenclature

to be considered by the Committee should be forwarded to the Secretary, Dr. P. S. Dixon, Department of Population and Environmental Biology, University of California, Irvine, Calif. 92664, U.S.A.

Request for Information

Does anyone have information since Mainz, 1927 about the Chlorococcalian alga, Eremosphaera? I am most interested in its physiology and growth conditions. Jeanette S. Brown, Carnegie Institution of Washington, Department of Plant Biology, Stanford, California 94305.

Correction

Contrary to a previous announcement in the Newsletter, the Woods Hole M.B.L. Library is not accepting reprints of any kind because of a lack of shelf space and the high cost of cataloging.

Request from Russia addressed to all algologists of the world:

The Laboratory of the Algology, Institute of Botany, Academy of Sciences of the Uzbek Socialist Republic intends to publish a "Who's-Who in Algology" (a reference book on the algologists of the world). We invite all algologists to participate in our work by sending us autobiographies which give the following information:

1. Full name, place and year of birth, and citizenship.
2. Education, degrees and positions held.
3. When and why you began to study algae, under the influence of which scientist, and what promoted your choice of this field.
4. Present position and subject of current research.
5. List published works (send, if possible, one copy of your works on hand for exhibition in our Institute).
6. Send several photos, characterizing your youth and maturity.

The aim of such a reference book is to estimate the number of algologists in the world and provide complete biographical information on them. Such a reference work will be of great help in convening the International Congresses of algologists, and aid communication between them.

We are very grateful to all scientists who will promote the speediest realization of our plan. Please send copies of autobiographies in duplicate to:

USSR - Usb.SSR
Tashkent 143
Academgorodok
Institute of Botany
Academie Nauk Usb.SSR.
Dr. Ergashev A.E.

Minutes of Annual Business Meeting, 26 August 1970, Bloomington, Indiana.

The meeting was called to order at 10:15 a.m. by President Ralph Lewin. About 70 members were present.

The Minutes of the 1969 Annual Business Meeting, submitted by the past-secretary, Philip W. Cook, were accepted, without additions or corrections, as they were published in the Newsletter, Vol. 5, No. 3, 1969. It was announced that the proposed amendments to the By Laws had been approved by the membership.

The Financial Report (20 August 1969 through 20 August 1970) for the Society, submitted by Treasurer H. Wayne Nichols, was distributed and accepted as it appears below:

<u>BALANCE ON HAND</u> (August 20, 1969)	\$ 4,782.20
<u>INCOME:</u>	
For the period August 20, 1969 through August 20, 1969.	
Dues: (Students, individuals, libraries and sale of back issues)	\$15,393.97
Sale of Reprints (including voluntary page charges)	
<u>Journal of Phycology</u>	6,924.53
Dividend (A.I.B.S.)	36.00
Gifts to the Society	<u>64.00</u>
TOTAL	<u>\$27,200.70</u>
<u>EXPENDITURES:</u>	
Banquet expenses (A.I.B.S., 1969)	\$ 349.46
Postage	111.50
Stationary	7.19
Telephone Service - all officers	61.38
<u>Journal of Phycology</u> , Vol. 5, No. 2 and reprints	735.49
<u>Journal of Phycology</u> , Vol. 5, No. 2 and reprints Vol. 5, No. 1	4,187.74
<u>Journal of Phycology</u> , Vol. 5, No. 3 - reprints	899.10
<u>Phycological Newsletter</u> , Vol. 5, No. 3	291.04
<u>Journal of Phycology</u> , Vol. 5, No. 3; Vol. 5, No. 4; Vol. 6, No. 1	12,360.74
<u>Phycological Newsletter</u> , Vol. 6, No. 1	72.00
<u>Journal of Phycology</u> , Vol. 5, No. 4, Vol. 6, No. 1 reprints	1,682.87
<u>Phycological Newsletter</u> , Vol. 6, No. 2	72.00
Addressograph Service and postage	245.34
A.I.B.S. Membership dues and maintenance	789.90
Refund for duplicate payment	59.00
Ballots mailed to membership	99.49
Refund - cancelled subscription	15.00
Xerox copies	8.54
Bank fees - collection of foreign checks	28.23
Checks returned by bank	<u>87.40</u>
TOTAL	<u>\$22,163.41</u>
<u>SAVINGS ACCOUNT</u> - (Operating Reserve)	\$ 6,505.00

MEMBERSHIP COUNT (August 20, 1970)

Students, Individuals (USA and foreign)		838
Libraries, institutions, etc. (USA)	287	
(Foreign)	<u>164</u>	<u>451</u>
TOTAL		1289

Comments from the Treasurer: The increase in income is due largely to the raising of dues to libraries and organizations. There is a serious problem of manipulating funds so as to keep the Society solvent, especially with regard to payment of Allen Press for reprints and for the Journal. After considering several alternatives, it was decided that the most desirable solution was to request Allen Press to delay invoicing until funds are available.

The Treasurer's Membership Report was accepted. As of 20 August 1970, there were 838 individual members and 451 institutional members bringing to 1289 the total number of members in the Society, an increase of 195 new subscribers since the previous membership report.

Reports from our representatives to other Societies were presented. In the absence of Dr. Robert W. Krauss during the early part of the meeting, Secretary Patricia Walne presented the A.I.B.S. Report from minutes of the Executive Committee meeting earlier in the week. Sites for future annual meetings were announced - 1971, Colorado State University; 1972, University of Minnesota; 1973, Arizona State University. The 1973 meeting in Tempe, Arizona, is proposed as a June meeting. The members were asked to express their opinions about the desirability of meeting in June as opposed to August, and most members were opposed. Dr. George Papenfuss cautioned that we must be concerned about our students and considerate of when they would be able to attend. A.I.B.S. will soon use computers for mailing lists for adherant societies. The cost for labels and a printed list of Society members will be small. The question was raised as to whether the Society should sponsor sessions of contributed papers at the A.I.B.S. meetings in Ft. Collins, Colorado, in August 1971, in addition to the major meeting in Edmonton in June. The membership responded favorably to the suggestion, and it was decided that President Ralph Lewin should contact a member of the Society at Colorado State University to serve as Program Chairman for those services. Dr. Krauss later explained the need for PSA to apply for tax-exempt status immediately, since the Internal Revenue Service is becoming increasingly severe. He also reported that A.I.B.S. would like photostats of each Society's incorporation papers, tax-exemption certificates, and other important Documents to be placed on file in A.I.B.S.' safety deposit box as good protection for the Society. For the National Research Council - Division of Biology and Agriculture, Dr. Raymond Galloway reported that there had been no significant business but that this year's meeting dealt with long overdue re-organization of the NRC. There had also been some discussion of its function as a voice to the government concerning sources of expertise in various areas. Dr. Walter Herndon, the AAAS representative, reported that sections on Zoology and Botany were to be discontinued in favor of the establishment of a new section on life sciences. Resolutions requesting the Department of Defense to stop the use of 2,4-D and 2, 4, 5-T in Vietnam, encouraging the extension of the scientist exchange program between East and West, and reorienting AAAS's priorities in the 1970's to problems in the promotion of human welfare had been approved. Dr. Raymond Holton indicated that there had been no new developments in the CUEBS program during this past year.

The Editor of the Journal of Phycology explained the offer of Gordon and Breech, Publishers, to publish the Journal of Phycology. It was the overwhelming

desire of both the Executive Committee and the membership to continue with Allen Press as printers, instead of giving over operation of the Journal to a commercial publishing house. Dr. Provasoli announced that the Journal is now using a new engraving technique which permits 150 lines resolution, thereby increasing the resolution of photographs. There was discussion about a campaign to solicit more subscriptions from libraries. This campaign would take the form of a letter indicating that the Journal of Phycology is a companion journal to Plant Physiology; a printed brochure of a sample page of a table of contents and a plate of electron micrographs would be enclosed with the letter. The questions of raising dues for libraries to \$25 beginning 1 January 1971, and of the Society's providing \$500 to support the above-mentioned campaign were raised. Dr. Janet Stein moved that the Society promote an advertising campaign to solicit additional library subscribers to the Journal, to spend not more than \$500 for such a campaign, and not to increase the dues for libraries to \$25. Many of the members were in favor of increasing the price to libraries. The motion was amended to remove the stipulation concerning increase in subscription price. The motion was passed, as amended. The Editor will appoint a person to handle the subscription campaign.

Dr. Janet Stein reported on the Handbook of Phycological Methods. Eighteen of 30 manuscripts have been submitted, and the remainder should be received by October 1, 1970. There is a balance of about \$200 in the account. The Handbook should be in press by the time of the annual meeting in 1971.

Chairman of the Committee on Literature Services, Dr. Cornelius Weber expressed concern over proliferation of phycological literature and urged the establishment of a computerized literature service. In the discussion which followed, it was pointed out that the International Phycological Society plans to renew the publishing of an annual bibliography and that Biological Abstracts plans to computerize its abstract services, which can be sold to individuals or organizations. Several members indicated that one large, complete bibliography is preferable to several small, incomplete ones. There was a suggestion that the Society apply for a grant to develop a computerized literature service. The questions of cost and funding were raised, and it was suggested that PSA coordinate its efforts with IPS in developing a comprehensive retrieval system for phycological listings. It was moved that the Phycological Society of America offer its cooperation and an unspecified amount of financial support to the International Phycological Society in its endeavor to develop a comprehensive phycological bibliography. The motion was defeated.

Dr. Bruce Parker reported on the status of a book - Contributions in Phycology - which will be published soon in honor of Professor Harold C. Bold. The book, which may be used for supplementary readings in phycology, was written by many of Professor Bold's former students and was edited by Dr. Parker and Dr. R.M. Brown, Jr. Dr. Parker explained that it was intention of authors and editors that the profits from the book be turned over to the Society for the establishment of an endowment, the interest of which could be used for an award at the annual meetings. There was some discussion on the future administration of such funds by PSA, on the nature and purpose of the endowment. Members were urged to buy copies and to urge the libraries at their home institutions to purchase copies of the book.

It was announced that the PSA-sponsored symposium on some practical aspects of algae and pollution to be held in Detroit in November, 1970, as part of the National Biological Congress has been well received. Dr. Lewin explained that this symposium, together with the two part forum on algae and pollution held at the A.I.B.S. meetings, constituted a major effort on the part of PSA to consider and to present both theoretical and practical aspects of algae and pollution. Thanks were expressed to Drs. Larry Hoffman and Dan Jackson for their roles in organizing and coordinating the forthcoming symposium in Detroit.

It was announced that the next Annual Meeting would be held in Edmonton, Alberta, Canada, 20-24 June 1971, with the Canadian Botanical Association, the Botanical Society of America and other selected societies. Dr. Harold C. Bold has been named Program Chairman for PSA for the Alberta meetings and will work with Dr. Louis Druell, Program Chairman for the Phycological Section of the Canadian Botanical Society, in developing a phycological program.

President Lewin expressed the thanks of the Society to our Local Representative, Warren Vande Berg, for his superb and conscientious efforts in attending to many details which helped our program to run smoothly. Thanks were also expressed to Dr. Richard Starr and Indiana University for their very kind hosting of our meeting.

The new officers for 1971 were announced: President, Dr. Richard E. Norris; Vice-President, Dr. H. Wayne Nichols; and Treasurer, Dr. Norma J. Lang. Drs. Isabella Abbott, Jack McLachlan and Richard Eppley were elected to the Editorial Board of the Journal. New members of the Editorial Board appointed by the Editor are Drs. Naval Antia, Gordon Leedale and one yet to be announced.

After a few announcements, the meeting was adjourned.

Respectfully submitted,

Patricia L. Walne
Secretary

NOTICE OF CHANGE OF ADDRESS
(Please do not change for summer only.)

Name _____

New Address _____ Zip Code _____

Old Address _____ Zip Code _____

Mail to: Dr. Norma J. Lang
Botany Department
University of California
Davis, California 95616

PHYCOLOGICAL SOCIETY OF AMERICA

Journal of Phycology

Phycological Newsletter

Application for Membership

Date of Application

(Please Print)

Name _____
(Prof., Dr., Mr., Mrs., Miss)

Mailing Address _____

Zip Code _____

Membership effective as of

<input type="checkbox"/>	1965, to include Vol. 1 of Journal
<input type="checkbox"/>	1966, Vol. 2
<input type="checkbox"/>	1967, Vol. 3
<input type="checkbox"/>	1968, Vol. 4
<input type="checkbox"/>	1969, Vol. 5
<input type="checkbox"/>	1970, Vol. 6
<input type="checkbox"/>	1971, Vol. 7

Current status (circle): Professor, teacher, researcher, independent investigator,
applied biologist, graduate student, undergraduate student, other:

Annual membership dues:

\$ 12.00 regular
7.50 student
6.00 retired
15.00 libraries, companies
350.00 lifetime

Volumes 1-6 may be obtained by regular members and full-time (degree-seeking)
students by payment of \$12.00 for each volume. These volumes are available to
Libraries and Companies at \$15.00 per volume.
(DOES YOUR SCHOOL LIBRARY SUBSCRIBE?)

Mail to: Phycological Society of America
c/o Dr. Norma J. Lang
Botany Department
University of California
Davis, California 95616

Signature



**Ramus
Biology, Yale**

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