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The University of Tennessee, Knoxville, Tennessee 37916

Thy Phycological Newsletter is sent to all members of the Phycological Society of America, Inc., and to members of the Phycological Section of the Botanical Society of America.

The 1967 Officers

PRESIDENT - HANNAH T. CROASDALE: Associate Professor in the Biology Department of Dartmouth College, Hanover, New Hampshire. Dr. Croasdale served as Vice-president of the Phycological Society in 1963-64. She was born in Daylesford, Pennsylvania, and received her B.S., M.S., and Ph.D. degrees from The University of Pennsylvania. She served for several years on the staff of Biological Abstracts and spent about 10 or so summers at the Marine Biological Laboratory, Woods Hole, Massachusetts, where she helped to teach the Marine Botany course and made extensive collections of the algae of the area. Her main phycological interest centers around arctic and tropical desmids, and she is currently busy completing several unfinished manuscripts of her late colleagues, R. Gronblad and A. M. Scott, who left her with many drawings but very little text, on desmids of the Amazon Basin, Uganda, and Sierra Leone. When things get too hot for her, Dr. Croasdale turns to some studies for the Canadian Department of Agriculture in identification of samples of fresh-water algae from Ellesnere Island in northern Canada near the coast of Greenland! Then, when her arctic endeavors get cold, she works on indexing the Krieger-Gerloff series on desmids.

VICE-PRESIDENT - FRANCIS R. TRAINOR: Associate Professor in the Department of Botany at The University of Connecticut in Storrs. Dr. Trainor was the 1965 recipient of the Darbaker Prize (for meritorious work in the study of algae) for his discovery of sexual reproduction in Scenedesmus. He was born in Pawtucket, Rhode Island, and received his B. S. degree from Providence College and the M. A. and Ph. D. degrees from Vanderbilt University, Nashville, Tennessee. In 1962, he received the University of Connecticut Distinguished Faculty Award for excellence in teaching. For the past few summers, Dr. Trainor has been a special lecturer in the botany course at the Marine Biological Laboratory at Woods Hole, Massachusetts, and he spent last summer on the faculty of The University of Virginia Biological Station at Mountain Lake, Virginia. His primary research interests include Scenedesmus, soil algae, and the microbiology of the Connecticut River.

Journal of Phycology

Vol. 2, No. 4 was mailed recently, and you should have received it. Your editor, Luigi Provasoli, has accelerated the printing rate of this volume, and it is anticipated that all numbers of volume 3 will be printed in 1967, effectively closing the time lag which began with Volume 1 (1965).

Please continue to send high quality manuscripts to Luigi Provasoli. We hope that additional pages may be added to the Journal of Phycology during 1967.

Volume 3 of the Journal of Phycology will be distributed to more than 850 persons and organizations. Although this total is still relatively small, it approaches the distribution of Phycologia, the publication of the International Phycological Society. We may exceed 1000 by the end of 1967.

Journal of Phycology cont.

BACK ISSUES of the Journal of Phycology are available at the regular rate of membership. If you want the complete set or parts thereof, contact Bruce C. Parker, Secretary-Treasurer, Dept. of Botany, Washington University, St. Louis, Missouri, 63130.

SECOND CALL FOR MEMBERSHIP DUES - 1967

Response to the first request for 1967 dues in the November Newsletter was excellent. However, if you still have not paid 1967 dues, please do so NOW! Unpaid members will receive a final notice via First Class Mail during April, 1967. Dues must be paid prior to receipt of Vol. 3, No. 2.

Send dues to:
Bruce C. Parker
Department of Botany
Washington University
St. Louis, Missouri 63130

Rates:
Full-time students \$ 5.
Individuals (not full-time students) 9.
Libraries and Organizations 10.
Joint Members (Husband and wife,
non-student, 1 copy Journal) 14.
Retired Individuals of at least 10
years' tenure as members 5.

New Members

The growth of the Society has been so great that a new Membership Roster is planned during 1967. The listing of new members in this Newsletter will be deferred.

Proceedings Still Available

PROCEEDINGS of the Symposium on the Environmental Requirements of Blue-Green Algae, held at the University of Washington, Seattle, on September 23-24, 1966, are still available. Address requests to Office of Short Courses and Conferences, 336 Lewis Hall, University of Washington, Seattle, Washington, 98015. See details in November Newsletter.

International Symposium on Eutrophication

June 11-16, limnologists from all over the world will gather at the University of Wisconsin, Madison, to attend a symposium on eutrophication sponsored by the National Academy of Sciences. Speakers will include G. E. Hutchinson, J. W. G. Lund, W. Rhode, and other well-known limnologists. Further information is obtained from Dr. Gerard A. Rohlich, Eutrophication Committee Chairman, 602 State Street, University of Wisconsin, Madison, Wisc. 53706.

BIOLOGICAL OCEANOGRAPHY FELLOWSHIPS AVAILABLE

Stanford Oceanographic Expedition 14 will investigate the biology of the oxygen minimum layer off Western Mexico and Central America during the 1967 spring quarter (i.e. March 27 to June 9) aboard the 135-foot research schooner TE VEGA. The expedition represents an intensive 15-unit graduate level course in Biological Oceanography given at sea by a faculty of three. The graduate students serve as research colleagues, not research assistants, in planning, developing and conducting the research program. Ten NSF Fellowships, providing board and room, transportation, and tuition are available. Applicants may be of either sex but must be biology majors. For information contact: Dr. Malvern Gilmartin, Hopkins Marine Station, Pacific Grove, California 93950.

Position Available

California State College at Los Angeles for a phycologist. Area of specialization, rank and salary are open, depending on the qualifications of the candidates. For further information write Dr. J. A. Sacher, Chairman, Department of Botany, Los Angeles, California 90032.

Symposium Held

The Western Society of Naturalists met at Long Beach State College, California, on December 27-29, 1966. There was a field trip, and a symposium dedicated to the memory of E. Yale Dawson.

Dawson Memorial Fund

The Smithsonian Institution has set up a "Dawson Memorial Fund for the Galapagos" in tribute to the late Dr. E. Yale Dawson, at the time of his death a curator in the Department of Botany of the Smithsonian. Dr. Dawson drowned in June, 1966, while collecting algae in the Red Sea near the town of Hurghada, Egypt. He had just begun an around-the-world trip to visit marine stations, meet phycologists and marine scientists, and become better acquainted with worldwide activities in the field of phycology. The culmination of this trip was to have been his participation in the meetings of the XI Pacific Science Congress in Tokyo last September.

One of Dr. Dawson's keen interests was the biota of the Galapagos Islands where he made several visits to observe and to collect plants. He was much impressed with the people and the unique environment in which they lived, and one of his goals was the preservation of this environment for the future. One avenue to accomplish this seemed the education of the Galapaguenos to their unusual opportunity, and he wrote a textbook for the elementary schools emphasizing this idea. The creation of the Charles Darwin Foundation for the Galapagos Islands, an international organization established under the auspices of UNESCO, provided another channel to forward his goals, and Dr. Dawson became Secretary for the Americas of the Foundation. This organization supports the Charles Darwin Research Station in the Galapagos which carries on research and conservation activities. Visiting scientists may stay and study here. Dr. Dawson maintained liaison with Mr. Roger Perry, its Director, and helped supply Station needs. Everything from parts for electric generators to an adding machine went through Dr. Dawson's offices in the Smithsonian bound for this remote Station.

To recognize Dr. Dawson's deep concern for the Galapagos, we have thought it appropriate to use the "Dawson Memorial Fund" to purchase scientific books for the Station library on a continuing basis. Mr. Perry has agreed to act as librarian and make recommendations for books most useful to Station activities. We feel there may be others among Dr. Dawson's friends and colleagues who might wish to join in honoring him by participating in the Fund. Those wishing to do so may send contributions (checks payable to the Smithsonian Institution) to the Chairman, Department of Botany, Smithsonian Institution, Washington, D. C. 20560.

International Symposium

June 18-30, Syracuse University and the New York State Science and Technology Foundation are sponsoring an international symposium entitled "Algae, Man and the Environment." The symposium will consist of a series of lectures oriented around four major topics: 1) Algal Studies in New York State, 2) Recent Developments in Phycological Disciplines, 3) Population Dynamics and Interactions, 4) Algal Control. For registration forms or additional information contact Dr. Daniel F. Jackson, Program Director, Department of Civil Engineering, Syracuse University, Syracuse, New York 13210.

International Symposium con't.

Registration will be limited to 25 participants in addition to those listed in the program. Cost for the 2-week session, including meals, field trips, and incidentals will be \$400. All participants must register for the entire 2-week period. Participation will be on a reservation basis only, and no one will be permitted to attend the symposium who is not properly registered.

Sessions from June 18-25 will be held at Syracuse University's Sagamore Conference Center in the Adirondacks near Raquette Lake, N. Y. From June 26-30, the meetings will be in session in Syracuse, and participants will be lodged in the new 21-story Lawrinson Hall.

A.I.B.S.-Phycological Society of America, Inc.

Annual Meeting: August 27-September 1, 1967.

Texas A.&M. University, College Station, Texas

P. S. A. Representative: Dr. William J. Clark
Department of Biology
Texas A.&M. University
College Station, Texas 77843

Colloquium:

Traditionally P. S. A. has sponsored a Symposium consisting of 3-4 lectures of 30 min. each on topics in some general area. These Symposia have covered a variety of subjects. With the massive growth of the Society during the last 2 years, the need for increasing opportunities for informed exchange of information and ideas has increased. The first attempt to satisfy this need will be the Colloquium which will supplant the former Symposium. The Colloquium will consist of three separate topics, approximately one hour being devoted to each. The topics will be introduced by a summary of about 20 minutes' length given by the Chairman of a select Panel of Experts. The summary will include aspects ranging from biochemistry to taxonomy. Following the summary, the Panel Chairman will solicit comments from the 3-5 member Panel. The discussion then will be open to audience participation. The intention is to encourage a lively interchange among phycologists. Individuals with special interests may discover others with similar ideas which will make possible further interchanges of information during the remaining days of the A.I.B.S. meetings.

The following Colloquium topics and participants have been organized so far:

Topic 1: The Heterocyst--Is it still an Enigma?

Panel: Dr. Peter Wolk (Chairman), Michigan State University,
Mr. W. A. Daily, Butler University, Indianapolis, Indiana,
Dr. Norman Lazaroff, State University of New York, Binghamton.

Topic 2: The Pyrenoid--Its Structure, distribution, and function.

Panel: Dr. R. Malcolm Brown (Chairman), University of Texas, Austin.
Dr. Larry Hoffman, University of Illinois, Urbana.

Topic 3: Motility in Flagellate Algae.

Panel: Dr. Theodore Jahn (Chairman), University of California, Los Angeles,
Dr. Eugene C. Bovee, University of California, Los Angeles,
Dr. Ryan Drum, University of Massachusetts, Amherst,
Dr. Patricia L. Walne, University of Tennessee, Knoxville.

Abstracts of the Colloquium Topics (Chairman's Summaries) will be published in the Supplement, up to 600 words in length (plus pertinent references).

A.I.B.S. - Phycological Society of America, Inc., con't.

Special Lecture:

The 1967 Special Lecture in Phycology will be delivered by Professor L. A. Whitford, North Carolina State College, Raleigh, on the subject, "Fresh-water Phycology: Past, Present and Future."

Luncheon:

The Phycological Society Luncheon will follow the Annual Meeting on Tuesday. As an aid to digestive processes, the Luncheon will feature the Past-President's Address, this year presented by Walter Herndon.

BOTANICAL SOCIETY OF AMERICA
ANNOUNCEMENT OF DARBAKER PRIZE IN PHYCOLOGY FOR 1967

The committee on the Darbaker Prize of the Botanical Society of America will accept nominations for an award to be announced at the annual meeting of the Society at College Station, Texas, in 1967. Under the terms of the bequest, the award is to be made for meritorious work in the study of the algae. Persons not members of the Botanical Society are eligible for the award. The Committee will base its judgment primarily on the papers published by the nominee during the last two full calendar years previous to the closing date for nominations. At present, the award will be limited to residents of North America. Only papers published in the English language will be considered. The value of the Prize for 1967 will depend on the income from the trust fund but is expected to be about \$250. Nominations for the 1967 award accompanied by a statement of the merits of the case and by reprints of the publications supporting the candidacy must be received by June 1, 1967, by the Chairman of the Committee, Dr. Robert F. Scagel, Department of Botany, University of British Columbia, Vancouver 8, British Columbia, Canada.

Nominations for 1968 Officers

Hannah Croasdale (1967 President) has appointed the following 3-member Nominating Committee to solicit nominations for 1967 Officers in the Society:

Dr. Janet Stein (Chairman), Dept. of Botany,
University of British Columbia, Vancouver 8, B.C., Canada

Dr. L. A. Whitford, Dept. of Botany,
North Carolina State College, Raleigh, N. C. 27607

Dr. Jack Myers, Dept. of Zoology,
University of Texas, Austin Texas 78712

Officers to be nominated for 1968 include President, Vice-President, and Secretary-Treasurer. Also, 3 Members of the Editorial Board must be nominated and elected by the membership to replace the 3 retiring members (F.T. Haxo, Ruth Patrick, Rufus Thompson). Send your nominations to Janet Stein before April 15. Ballots will accompany the May Newsletter.

Former Officers of the Phycological Society

| President: | Vice-President | Secretary | Treasurer |
|----------------------|----------------|-----------|---------------|
| 46-47 G.M. Smith | | | G.W. Prescott |
| 47-48 W.R. Taylor | L.H. Tiffany | | G.W. Prescott |
| 48-49 L.H. Tiffany | J. Brunel | | G.W. Prescott |
| 49-50 J. Brunel | E.N. Transeau | | G.W. Prescott |
| 50-51 E. N. Transeau | C.E. Taft | | G.W. Prescott |
| 51-52 C. E. Taft | E.T. Moul | | G.W. Prescott |

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Former Officers con't.

| President | Vice-President | Secretary | Treasurer |
|----------------------|----------------|---------------|--------------|
| 52-53 E.T. Moul | G.W. Prescott | E.O. Hughes | R.D. Wood |
| 53-54 R. Patrick | C.M. Palmer | R.H. Thompson | R.D. Wood |
| 54-55 G.W. Prescott | H.C. Bold | P.C. Silva | R.D. Wood |
| 55-56 H.C. Bold | R.H. Thompson | P.C. Silva | R.C. Starr |
| 56-57 G.F. Papenfuss | L.A. Whitford | P.C. Silva | R.C. Starr |
| 57-58 L.A. Whitford | P.C. Silva | W.A. Daily | R.C. Starr |
| 58-59 P.C. Silva | R.C. Starr | | W.A. Daily |
| 59-60 R.C. Starr | J. Myers | | W.A. Daily |
| 60-61 J. Myers | L. Provasoli | | W.A. Daily |
| 61-62 L. Provasoli | W.A. Daily | | W.R. Herndon |
| 62-63 W.A. Daily | R.W. Krauss | | W.R. Herndon |
| 63-64 R.W. Krauss | H. Croasdale | | W.R. Herndon |
| 1965 J.R. Stein | W.R. Hernodn | | B.C. Parker |
| 1966 W.R. Herndon | P.R. Gorham | | B.C. Parker |
| 1967 H. Croasdale | F. Trainor | | B.C. Parker |

Phycological Society of America Call for Papers

Changes have been made as per vote of the Membership. Please read carefully:

- (1) Oral delivery of all papers will be limited to 10 minutes, unless approved by the Executive Committee.
- (2) The maximum length of written abstracts is increased to 300 words, and authors are encouraged to present more detail (but still no bibliography).
- (3) Because we now publish our own abstracts, the deadline date for receipt of abstracts and titles is APRIL 25th. This means that abstracts must have reached Bruce Parker on or before April 25 in order to be printed and to be included in the A.I.B.S. Program. This later deadline date will permit more "meaty" abstracts, it is hoped.

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Title of Paper:

Author(s):

Projection equipment needed:

PLEASE APPEND ABSTRACT (of 300 words or less)

Please mail completed form and abstract to:

Dr. Bruce C. Parker, Secretary-Treasurer
Department of Botany
Washington University
St. Louis, Missouri 63130

Field Trip, A.I.B.S., Texas A&M University, College Station, Texas

The annual P.S.A. sponsored field trip will be held Saturday, August 26. The trip will start at 9:00 a.m. from the parking lot behind the Plant Science Building. Participants may assemble in the lounge at the south end of the first floor of the Plant Science Building.

Fresh-water habitats in the vicinity of College Station will be visited, with a return in mid afternoon.

Collecting equipment will be available, as will laboratory facilities for examination of the collections.

Transportation will be by private cars, and those of you who can supply a ride for others are requested to do so.

If you plan to attend the field trip, please complete the form below and return it to me by August 1.

Yes, there is water in Texas, come and see.

William J. Clark

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Name _____

Address _____

_____ I plan to participate in the August 26 field trip.

_____ I plan to provide a car for field trip transportation.

_____ I will need transportation for the field trip.

Please return to: Dr. William J. Clark
(by August 1) Biology Department
Texas A&M University
College Station, Texas 77843