

Phycological

Newsletter 8(1)



Phycological Society of America

February 1972

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

Positions Available for Phycologists

In response to the shrinking job market, especially for young phycologists, the Editor wishes to institute a "Positions Available" column in the Newsletter. Prospective employers are urged to list their positions here. The advantages of such listings to both employers and candidates are evident, both getting wider exposure, and therefore, greater choice. It is hoped that such a service will greatly benefit the membership.

Announcement of Courses

University of Alabama - Experimental and Environmental Phycology.

A Summer Short Course for College Teachers in Experimental and Environmental Phycology, sponsored by the Botanical Society of America and supported by the National Science Foundation will be offered by the Department of Biology, University of Alabama, June 12-30, 1972. Application forms may be obtained by writing to the Director, Dr. T. R. Deason, P. O. Box 1927, University, Alabama 35486.

Cornell University - Introduction to Marine Science.

This summer program, presented cooperatively by Cornell University, the University of New Hampshire, and the State University of New York, will take place June 3 to July 1, 1972 at the Isles of Shoals ten miles offshore on the Maine - New Hampshire state line, and in facilities of UNH at the Durham campus and the Jackson Estuarine Laboratory.

This program, now in its seventh year, is unusual in offering an integrated introduction to marine sciences, emphasizing field and practical aspects as well

as the academic. Its faculty includes distinguished senior lecturers from each of the participating institutions, and from other academic, federal, and state agencies as well as a number of commercial fishermen and representatives of marine industry. It is aimed at undergraduates or those with little or no previous marine experience and includes aspects of physical as well as biological oceanography. Work consists of daily lectures, laboratory, and field exercises, and includes some opportunity for independent study.

The combination of a major estuarine system at Portsmouth, N.H. and mid continental shelf conditions at the Isles of Shoals yields an unusual range of habitats and a biota of remarkable richness and accessibility. Nearly 150 species of marine algae have been identified in previous summers and students can make their own herbarium collections if they wish. Considerable work is also done aboard a variety of commercial and research vessels. Hauls for phytoplankton are made and examined. Much of the program takes place under isolated conditions which lend themselves particularly well to effective teaching and learning.

An Introduction to Marine Science is open to students at any accredited institution and, by special arrangement, to teachers or others who can show a particular need for it. It carries transcript credit at each of the participating universities (at Stony Brook for SUNY). Deadline for applications is March 15. Further information can be obtained from: Galen Jones, Director, Jackson Estuarine Laboratory, UNH; Donald B. Squires, Director, Marine Sciences Research Center, SUNY at Stony Brook; or John M. Kingsbury, Director, Summer Program in Marine Science, 202 Plant Science Building, Cornell University, Ithaca, N.Y. 14850.

University of Washington - Marine Botany at Friday Harbor Labs.

The following courses will be offered during the summer of 1972 at the University of Washington's Friday Harbor Laboratories on San Juan Island: Marine Algology will be offered from June 17 to July 22, 1972. This course will consist of field and laboratory study of marine algae. Observation, identification, collection, cultivation, and the use of marine algae as experimental organisms will be among the topics included in the course. The faculty this year are Dr. J. Robert Waaland University of Washington, and Dr. John West, University of California.

Marine Mycology will be offered from July 24 to August 26, 1972. This course will consist of study of the taxonomy and morphology of aquatic fungi with emphasis on marine forms, collection, and culture methods. The faculty of the marine mycology course will be Dr. Frederick Sparrow, University of Michigan, and Dr. Howard Whisler, University of Washington.

Financial support for both these courses will be available to qualified applicants. Further information and application forms are available upon request to The Director, Friday Harbor Laboratories, University of Washington, Seattle, Washington 98195. Applications for admission should be made to the Director before March 1, 1972.

Woods Hole - Experimental Marine Botany.

Applications will be sought after January 1, 1972 (deadline March 1, 1972) from advanced undergraduates, graduate students and postdoctoral scientists who are interested in attending the 1972 summer course in Experimental Marine Botany at the Marine Biological Laboratory. A request for support of this program has been made to NSF, but each applicant should be prepared to furnish tuition and personal expenses to insure participation in the course in the event of no award. Those interested should direct requests for information and application forms to the Marine Biological Laboratory, Woods Hole, MA 02543.

News of Members

Shirley Ray Sparling, Cal Poly, has expressed her confidence and support in the P.S.A. by becoming its first life member.

Carol A. Lembi has accepted a position as assistant professor, Department of Botany and Plant Pathology, Purdue University, effective July 1971. Emphasis of her research and teaching is in aquatic weed science (effects of herbicides and pollutants on aquatic flora at both the gross and cellular and biochemical levels) and phycology.

Marilyn Harlin has accepted a position as assistant professor, Department of Botany, University of Rhode Island, where she will specialize in "physiological ecology of marine macro-algae".

Annual Darbaker Prize

Nominations are open for the annual Darbaker Prize, a cash award to one or more phycologists "for meritorious work in the study of microscopical algae". The committee will base its judgment primarily on papers published by the nominee during the last two full calendar years (1970, 1971) previous to the closing date for nominations. The award is limited to residents of North America, and to papers written in the English language.

The Prize is the only phycological award made annually by the Botanical Society of America. Winners in recent years have represented a broad spectrum of interests in algae: ultrastructure, aerial and freshwater algae, marine algae and phytoplankton from both morphologic and taxonomic viewpoints. Winners for 1971 were Richard Eppley, Scripps Institution of Oceanography, and Michael Wynne, University of Texas.

Nominations should be made by sending the name or names of nominees together with a set of published papers (which after committee use will be returned to the sender if so desired) to the chairman of the Committee who will forward them to other committee members in turn. Deadline for submission of names, together with reprints, is April 1, 1972. Members of the Darbaker Prize Committee are recent winners of the Prize. The Committee for 1972 is: Dr. Isabella A. Abbott (chairman), Hopkins Marine Station of Stanford University, Pacific Grove, Calif. 93950; Dr. Bruce Parker, Dept. of Biology, Virginia Polytechnic & State Univ., Blacksburg, Va. 24061 and Dr. Norma J. Lang, Dept. of Botany, Univ. of California, Davis, Ca. 95616.

Edward W. Browning Award

The American Society of Agronomy was honored by being chosen to select the recipient of the Edward W. Browning Award for outstanding contributions to the improvement of food sources. The award consists of \$5000 and a bronze medal. The first award was given in 1971.

The American Society of Agronomy is now accepting nominations for the Edward W. Browning Award. P.S.A. members are eligible for the award. Send nominations to Dr. Philip W. Cook, Department of Botany, University of Vermont, Burlington, Vermont. The deadline for receiving nominations is June 1, 1972.

Rochester Prize for Environmental Management

A prize of \$1000 will be awarded to the authors of a manuscript proposing a way to improve water quality at swimming beaches on the south shores of Lake Ontario. The single prize is for proposing the most meritorious and workable way of altering the lake to help to free the beaches of nuisance algae. In judging merit, the jury of scientists will favor methods that would increase species diversity in the lake, increase the consumption of algae, and lower the standing crop of Cladophora. A copy of an article published in a scientific journal or a manuscript of an article suitable for such publication will qualify for the competition. Entries should be mailed to the Secretary of the Rochester Committee for Scientific Information, P.O. Box 5236, River Campus Station, Rochester, New York 14627 and must be postmarked before October 1, 1972.

Request for Self-Heated Seaweeds

Dr. Michael S. Tansey, Department of Botany, Indiana University, Bloomington, Indiana 47401 U.S.A., requests donations of samples of seaweeds which have accumulated in self-heating piles on beaches. Internal temperatures of these piles should be 50-60° C. Samples should be air-dried and sent by surface mail; approximately 100 grams of dried material would be greatly appreciated. Samples will be examined for occurrence of thermophilic fungi, which are known to contribute to self-heating of other piled organic matter.

New Books for Children

Three children's books entitled Algae, Ecology and An Introduction to Pollution have been written this year by Harold and Mary Schlichting. Available from the publisher Steck-Vaughn Company, P.O. Box 2028, Austin, Texas 78767 for \$2.95 each.

ATCC Reduced Fees

To better serve the scientific community the American Type Culture Collection tries to make cultures available at the lowest possible cost consistent with its high standards of quality. The reduced rates shown here will be maintained for as long as conditions will permit.

- (a) Fee to high schools for specified material.....\$ 5.00
- (b) Fee for cultures designated "E" (selected strains for teaching) to non-profit institutions..... 10.00
- (c) Fee for other than those in (b) to non-profit institutions.. 20.00
- (d) Fee for profit-making institutions..... 30.00

The fees are uniform for all ATCC materials (algae, animal cell cultures, bacteria, fungi, protozoa, bacteriophages, other viruses (animal and plant), and plant virus antisera.

American Type Culture Collection, 12301 Parklawn Drive, Rockville, Maryland 20852.

Writing for Reprints

Recent years have seen a great increase in phycologists, and naturally and properly most feel the need to develop reprint collections. At the same time, the cost of reprints has increased considerably, and few authors or departments can purchase all they might wish.

Many, if not most, authors have to be selective in distribution of reprints, hoping that they are sent to recipients most likely to make use of them. A small stock is usually kept for later workers in the field.

Yet, how many postcards requesting a reprint does one receive from an unknown name and with no comment on the sender's interests? A few cases where one finds the card comes from a librarian, or a "collector", or some way-off department such as one of Dentistry, soon results in many such cards finding their way straight to the paper basket.

A few notes on a card, or an air letter, explaining the writer's interests in the topic and giving his position (graduate student, new staff member, etc.) surely is no more than courtesy in requesting a reprint which has been possibly quite costly to the author or his department. The response to such a request is likely to be much better!

--H.B.S. Womersley, Department of Botany, University of Adelaide, Adelaide, South Australia, 5001.

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

PHYSIOLOGICAL SOCIETY OF AMERICA

Journal of Physiology

Physiological Newsletter

Application for Membership

Date of Application

(Please Print)

Name _____
(Prof., Dr., Mr., Ms.)

Mailing Address _____

(zip code)

Membership effective as of _____ 1965-1970, to include Vols. 1-6 of Journal
_____ 1971, Vol. 7
_____ 1972, Vol. 8

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
25.00 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: Physiological Society of America
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Signature