

Minutes of the Annual Business Meeting

The Annual Business Meeting was held on 22 June 1971, on the campus of the University of Alberta, Edmonton, beginning at 10 a.m. and adjourning at 11:25 p.m. President Richard E. Norris presided. About 50 members were in attendance.

A motion to accept the Minutes of the 1970 Annual Business Meeting as printed in October 1970 issue of the Newsletter was approved unanimously.

Agenda Item 1. Treasurer's Report. An interim report on the financial status of the Society, submitted by Treasurer Norma J. Lang, was distributed to the members. A motion to accept the Treasurer's report was approved. A copy of the report is enclosed. Other matters concerning the office of Treasurer were discussed:

- a. 1970 members have yet to pay dues for 1971, and there are a large number of outstanding bills.
- b. Members were requested to pay their dues upon receipt of a dues notice.
- c. It was the consensus of those in attendance that members who do not pay their dues should be dropped from the membership list immediately and should not receive the Journal of Phycology.
- d. Some members had not paid dues for several years; when contacted by the Treasurer, they offered to return their copies of the Journal. Their offers were accepted.
- e. The books of the Society are to be submitted to a Certified Public Accountant to set up a proper bookkeeping system for the Society and to put the books in order in preparation for application for tax-exempt status.
- f. Upon recommendation of the Executive Committee, the Treasurer was allocated \$250 to be used for secretarial assistance in the performance of her duties and was authorized to seek the services of a professional accountant in setting up the books of the Society in a fashion to withstand the scrutiny of federal and state audits.

Agenda Item 2. AIBS Report. The report was presented by our delegate, R. W. Krauss.

- a. 1971 National Biological Congress, Miami, Florida, proposed program by P.S.A. was summarized.
- b. 1972 National Biological Congress. Whether a 3rd Annual Congress will be organized will probably depend upon the success of the 1971 meeting in Miami. P.S.A.'s support of and participation in such a Congress, should it materialize, was debated.

If the Society decides to participate, then "Medical Aspects of Phycology" was suggested as a possible topic, and Paul Burkholder was suggested as a possible Program Chairman. A motion to leave to the Executive Committee the decision of whether to support and to participate in a 1972 National Biological Congress was approved.

- c. 1973 AIBS Meeting is scheduled for June 3-8, Arizona State University, Tempe. There was some discussion about P.S.A.'s participation in that meeting. Possible

alternatives suggested:

- 1) To meet with the First International Congress of Systematic and Evolutionary Biology, University of Colorado, Boulder, in August, 1973. The registration fee is \$40, and P.S.A. would be responsible for making its own arrangements regarding business meetings, sessions of contributed papers, dinners, and all other aspects of our program.
- 2) To meet jointly with the Mycological Society of America
- 3) To meet with the Canadian Botanical Society in Western Ontario at the end of June
- 4) To meet at a conference center
 - a) Woods Hole, Mass. - There are new facilities for off-season programs.
 - b) Asilomar - Monterey, California

A motion to support the decision of the Executive Committee to meet tentatively with AIBS in Tempe in 1973 and also to inform AIBS that in view of numerous disadvantages of the dates and site of the 1973 meeting, P.S.A. is exploring the possibility of meeting elsewhere was approved.

Agenda Item 3. Report on the Handbook of Phycological Methods. Editor Janet R. Stein reported that all manuscripts for Volume 1 have been received and reviewed. Cambridge University Press has been selected as publisher. The book should go to press in the early fall, if the final contract with Cambridge University Press can be drawn up and signed by the Society. The market for the book is estimated at 3000-5000 copies, with a possible price of \$10-\$12 per copy. The membership voted resolutions of sincere thanks and appreciation to Dr. Stein for her efforts and persistence in this editorial undertaking.

Agenda Item 4. Journal of Phycology. Since the Editor, Luigi Provasoli, could not attend, his written report was summarized, as were letters from Business Manager, Bob Anderson, and Printer, Arly Allen, expressing concern over rising costs of publishing the Journal. There followed discussion from the membership on the advisability of imposing mandatory page charges, increasing the cost of reprints, seeking financial contributions from our sponsors, using a system of combined voluntary page charges plus mandatory charges for excess pages, limiting the number of pages for articles and the number of pages per issue. The membership voted to send recommendations to the Editors that some action be taken immediately to help offset the financial problems and that more drastic action be delayed until the exact financial status of the Journal could be determined and a budget for Volume 8 submitted by the Business Manager, with the advice of the Editor and the Printer. The membership voted to have the Society purchase back issues of the Journal from Allen Press.

Agenda Item 5. Conference on Education in Biology III. R. W. Hoshaw served as P.S.A.'s delegate to the AIBS-sponsored Conference held in Chicago, November 16-17, 1970. He summarized the proceedings and a copy of his report is enclosed.

The following motion was approved: That the President of the Phycological Society of America appoint an Education Committee not to exceed 5 members (plus the secretary of the Society to serve ex-officio) to serve a term to be decided by the Executive Board at its next meeting. The general charge to the Committee would be to stimulate action on matters of interest to Phycologists in the broad area of biological education. More specifically the Committee would be charged to promote directly or to encourage indirectly action in areas such as: (1) career guidance, (2) refresher seminars or courses, (3) public education, (4) symposia and their publication, (5) development of facilities and programs, and (6) other areas deemed suitable by the Committee with the approval of the Executive Board and the membership of the Society. In addition, the Committee would serve as

the liason between the Office of Biological Education of AIBS and other professional societies with similar interests in biological education.

R. W. Hoshaw was asked to serve as Chairman of the Education Committee, and he consented. The first charge to the Committee was to develop a brochure on phycology that could be sent to high school and college students and libraries in response to requests for information about phycology.

Agenda Item 6. Publicity on Applied Phycology for NSF. In response to a letter from the Director of NSF, soliciting cooperation from scientific societies in publicizing "relevant" aspects of research, possible methods for reporting advances in applied phycology were discussed. Ralph A. Lewin suggested that the President of the Society could appoint a Publicity Officer whose duty it would be to search the literature and to send to NSF each month, a brief synopsis of phycological research of possible public interest. The NSF Office, in turn, would survey each Society's contributions and release some items to the news media in the hope of informing the public about practical developments in scientific research. A motion to appoint Dr. Lewin as Publicity Officer for Phycological Society of America was approved.

Agenda Item 7. Distinguished Lecture in Phycology. The recommendation of the Executive Committee to include the Distinguished Lecture in the program every 3 years was presented to the membership. After considerable debate, the membership voted to continue the Distinguished Lecture each year and suggested that the present restrictions, limiting the speaker to someone nearing retirement, be removed so that the Lecturer could be a younger person.

Agenda Item 8. Cancellations of Contributed Papers Without Notice. An unusually large number of contributed papers were cancelled without any attempt to notify the Program Chairman, Secretary or Chairman of the sessions. In the discussion on this matter, it was emphasized that there are occasional emergencies that arise, making it impossible to give any advance notice of cancellation, but that for the most part, persons could and should notify someone if it becomes necessary to cancel presentations. It was suggested that the Program Chairman for 1972 explore with AIBS measures that could be taken to avoid repetition of such a large number of cancellations. It was also suggested that it might be helpful if the membership had mimeographed copies of the program 2 months ahead of time.

Agenda Item 9. Announcements.

- a. 1972 AIBS Meeting will be at the University of Minnesota, Minneapolis. R. W. Hoshaw will serve as Program Chairman.
- b. In the interest of maintaining a record of the history and development of the Society, Bruce C. Parker has been appointed by the Executive Committee to gather pertinent records and documents and to develop and maintain a file.
- c. Word was received of the death of Dr. Albert J. Bernatowicz on 31 May 1971, in Honolulu, Hawaii. A student of Dr. W. R. Taylor, Dr. Bernatowicz had worked on the ecology and seasonability of marine algae in Bermuda and was on the faculty of the University of Hawaii.
- d. The 1st International Congress of Systematic and Evolutionary Biology, will meet at the University of Colorado, August 4-11, 1973.

Thanks were expressed to Dr. Michael Hickman for serving as our Local Representative and to the University of Alberta for hosting the meetings. The meeting was adjourned at 11:25 a.m.

Patricia L. Walne
Secretary

Financial Report: for the period January 1, 1971 through June 1, 1971

Balance from H. Wayne Nichols:	\$ 1,047.85
1. check for \$1,000.00 January, 1971	
2. check for 20.00 March, 1971	
3. check for 27.85 April, 1971	
Income: for the period January 1, 1971 through June 1, 1971	
Dues: (students, individuals, libraries and sale of back issues)	10,167.01
Sales of Reprints (including voluntary page charges)	4,002.40
<u>Journal of Phycology</u>	
Interest on Savings Account (recorded March 29, 1971)	83.90
Sales of AIBS Abstracts	35.00
TOTAL	<u>\$ 14,288.31</u> *
Expenditures:	
Fidelity Bond for Treasurer (3 years)	\$ 68.00
<u>Journal of Phycology</u> reprints Vol. 6, No. 3	871.56
<u>Journal of Phycology</u> reprints Vol. 6, No. 4	722.26
<u>Journal of Phycology</u> Vol. 7, No. 1	3,541.00
Supplies for Treasurer's Office	63.63
AIBS (membership maintenance)	289.85
AIBS (meeting expenses)	162.18
Bank Charges (includes printed checks, endorsement stamp and collections on foreign checks)	56.86
Telephone Services	18.37
Postage (arrests notices)	28.66
Newsletter: Vol. 7, No. 1 (to J. Ramus)	72.00
Call for Nominations: (to W. H. Johansen)	72.29
Refunds to Members (cancelled membership)	30.00
TOTAL EXPENDITURES	<u>\$ 5,996.66</u>
Norma J. Lang Treasurer	

National Biological Congress

The Second National Biological Congress, which will be held at the Fontainebleau Hotel, Miami Beach, Florida, 23-26 October 1971, is a rare opportunity for students at all levels to listen to and talk with biologists who are leaders in their fields.

Under the auspices of the AIBS, 34 national organizations will participate in one of the most diverse life science programs ever conducted in the United States. Centered around the theme MAN AND ENVIRONMENT II, symposia, workshops, exhibits, and panel discussions will focus upon the state of the environment, the present problems and how they may be resolved.

Beta Beta Beta and the AIBS Student Chapters are organizing a student forum as well as other special student activities. Special student rates are available at the Deauville and Carillon hotels, with complimentary bus service to and from the Fontainebleau. Student advisors accompanying groups of students are eligible for the same special rates.

Start planning now so that your students will not miss this unusual opportunity to advance their education and to enjoy a Florida vacation at the same time.

For further information, write to: Secretary, 2nd National Biological Congress, AIBS, 3900 Wisconsin Avenue, N.W., Washington, D. C. 20016.

Announcing AIBS Project BIOTECH

Dr. John R. Olive, Director of the American Institute of Biological Sciences has announced one of the most socially, economically and educationally significant programs that the AIBS has ever attempted.

Project BIOTECH will develop teaching materials and a core curriculum for the training of technicians in all jobs having to do with the life sciences, including such work as industrial and agricultural biotechnology, waste water and pollution abatement technology, and others "in support of" biology, oceanology, food and health-related sciences.

Project BIOTECH is based on two concepts. One, the "Teaching Module," which is a very small task-related set of teaching materials, of whatever kinds appropriate to the particular task at hand. Two, the practicality of segregating sets of these modules, one of which will teach those tasks that form the common Core small skills of all life science technician jobs. These teaching modules will be used in on-the-job training, formal academic instruction, and in some cases for individual "self-teaching." Modules will free the teacher from the routine of skill-teaching, and will permit him to concentrate on the thing that good teachers do best, affecting the attitudes and motivations of students.

Funded by the National Science Foundation and under the direction of John H. Busser, now Executive Secretary of the AIBS BioInstrumentation Advisory Council, the project will be housed within AIBS headquarters at 3900 Wisconsin Avenue, N.W., Washington, D.C. 20016, as one of the projects of the Office of Biological Education. Scheduled to take four years, the initial funding grant of \$397,769 is for 18 months.

First International Congress of Systematic and Evolutionary Biology

The Society of Systematic Zoology and the International Association for Plant Taxonomy have joined forces to develop this first opportunity for botanical/zoological interaction at the international level. The University of Colorado (Boulder) has extended a gracious invitation to meet on that campus August 4-11, 1973. The diversity of ecological situations in the surrounding countryside makes this one of the most attractive sites in North America, both aesthetically and scientifically. The presence of experienced, enthusiastic biologists on that campus also provides an indispensable ingredient for the success of this Congress.

To begin the planning phase, two committees have been appointed by the sponsoring organizations, a Steering Committee and an International Advisory Committee. The Steering Committee will be the principal organizing group. The International Committee will provide valuable advice and guidance in the development of the Congress and it is recognized by the International Union of Biological Sciences as the special working group responsible for this event.

Program plans at this point encompass interdisciplinary symposia and contributed paper sessions. The botanists will not convene a nomenclatural section but a zoological one on this subject is anticipated. In the next few months the outline of the program and other activities will begin to take form. All suggestions will be gratefully received, carefully considered, and as many adopted as practical or feasible. Correspondence may be addressed to the Secretary: Dr. James L. Reveal, Department of Botany, University of Maryland, College Park, Maryland 20740.

News of Colleagues

Dr. G. Benjamin Bouck recently left Yale University to accept a position as full professor in the Department of Biology, University of Illinois, Chicago Circle campus.

Dr. George F. Papenfuss was honored by former students and "post docs" at the International Seaweed Symposium in Sapporo, and presented with a bound volume of reprints of papers dedicated to him in his year of retirement from academic service. Those in attendance were Drs. Robert Scagel, Richard Norris, Isabella Abbott, William Johansen, Young-Meng Chiang, Shirley Sparling, Janet Stein, Max Hommersand, Michael Wynne, Sophie Ducker, Brian Womersly and Mitsuo Chihara.

Dr. Maxwell S. Doty, University of Hawaii, has been appointed as Representative from the Phycological Society of America on the Board of Governors for the International Seaweed Symposia. He attended a meeting of the Board at the VII International Seaweed Symposium at Sapporo, Japan.

Dr. Albert J. Bernatowicz died on 31 May in Honolulu. He was Director of the General Science Studies and Professor of Botany at the University of Hawaii. He did his doctorate work under the direction of Dr. William Randolph Taylor at the University of Michigan, working on the ecology and seasonality of the marine algae about Burmuda.

Dr. Llewellyn Hillis-Colinvaux, Department of Botany, the Ohio State University, recently visited India and presented a paper on reproduction in coral reef Siphonales, at the Symposium on Indian Ocean and Adjacent Seas, sponsored by the Marine Biological Association of India in Cochin. She returned by Madras where she visited with Drs. T. V. Desikachary, and M. S. Balakrishnan, and stopped at Guam, where Dr. Roy Tsuda gave her a swimming introduction to some local Halimedae.

Dr. Cornelius I. Weber was appointed by former PSA President, Ralph Lewin, to represent the Society on the newly-formed AIBS Task Force on "Communications and Information Services in Biology," chaired by Dr. Richard Foote, Entomological Society of America. The Task Force, which is comprised of one representative from each of the AIBS adherent societies, will attempt to define the collective needs of biologists in these societies and formulate methods of meeting these needs.

Dr. G. E. Fogg has accepted an appointment as Professor of Marine Biology at the University College of North Wales, Bangor, effective October 1971. He leaves the Department of Botany, Westfield College, University of London.

Dr. Alfred R. Loeblich III has accepted a position as Assistant Professor, Biological Laboratories, Harvard University, effective July 1971.

Professor Dr. Bruno Schussnig, 69 Jena, Schillbachstrasse 49, was recently sent a notice that his dues in the Phycological Society of America had not been paid for 1969, 1970 or 1971 and that a total of \$36.00 was owed. Previously in 1967 and 1968 Richard Starr had paid them but is not able to continue to do so.

Professor Schussnig wrote back that in East Germany the government does not permit the purchase of literature from the "kapitalistischen Westen" and that he would like to arrange an equivalent exchange with an American colleague. He is offering Band 2 of his Handbuches der Protophytenkunde or another work appearing

in an East German publication. Next year he will be 80 and plans to cease his scientific activity and his membership then.

So far, the P.S.A. has not discontinued his receipt of the Journal but feels there might be someone interested in paying his back and current dues, in order to receive the above publication or some other ones. They should write directly to him to make the arrangements for exchange and then forward to the Treasurer, Dr. Norma J. Lang, a check for \$36.00.

New Books

Selected Bibliography on Algae, No. 11, 1970. Nova Scotia Research Foundation. (\$10, available from Nova Scotia Research Foundation, P.O. Box 790, Dartmouth, Nova Scotia).

From R. E. Lee, University of Witwatersrand, Johannesburg, S.A.:

"About four months ago an African who works for the electricity commission in Johannesburg, came to a hospital with a small pimple-sized lesion on his forehead and asked to have it treated. It was found that the lesion contained the achlorotic green alga Prototheca wickerhamii. This unicellular alga, similar to a Chlorella, was examined in the electron microscope and there is no doubt as to its identity as a green alga. The organism has leucoplasts with characteristic starch grains of the Chlorophyceae. There are two other records of this organism causing a disease in humans; the first on a foot, and subsequently a leg, of a rice farmer in Sierre Leone; the second as a secondary infectant in a terminal cancer case in the United States.

With our case and that of the farmer in Sierre Leone, the patients were treated with the usual bacterial antibiotics such as penicillin and streptomycin as well as with fungal antibiotics such as griseofulvin. These had no effect at all on the Prototheca as one might expect. Subsequent to this other more "old-fashioned" remedies, such as painting the lesions with potassium iodide were tried with little success. With the patient in Sierre Leone the lesions spread from a small one on the foot to cover almost all of one leg making it impossible for him to continue working. All of the lesions contained almost entirely Prototheca. Surgery was done on this patient to remove the Prototheca and while this was temporarily successful the infection soon returned worse than ever. With our patient in Johannesburg the infection has progressed from a small lesion on the forehead to large lesions covering one side of the head with no stopping in sight.

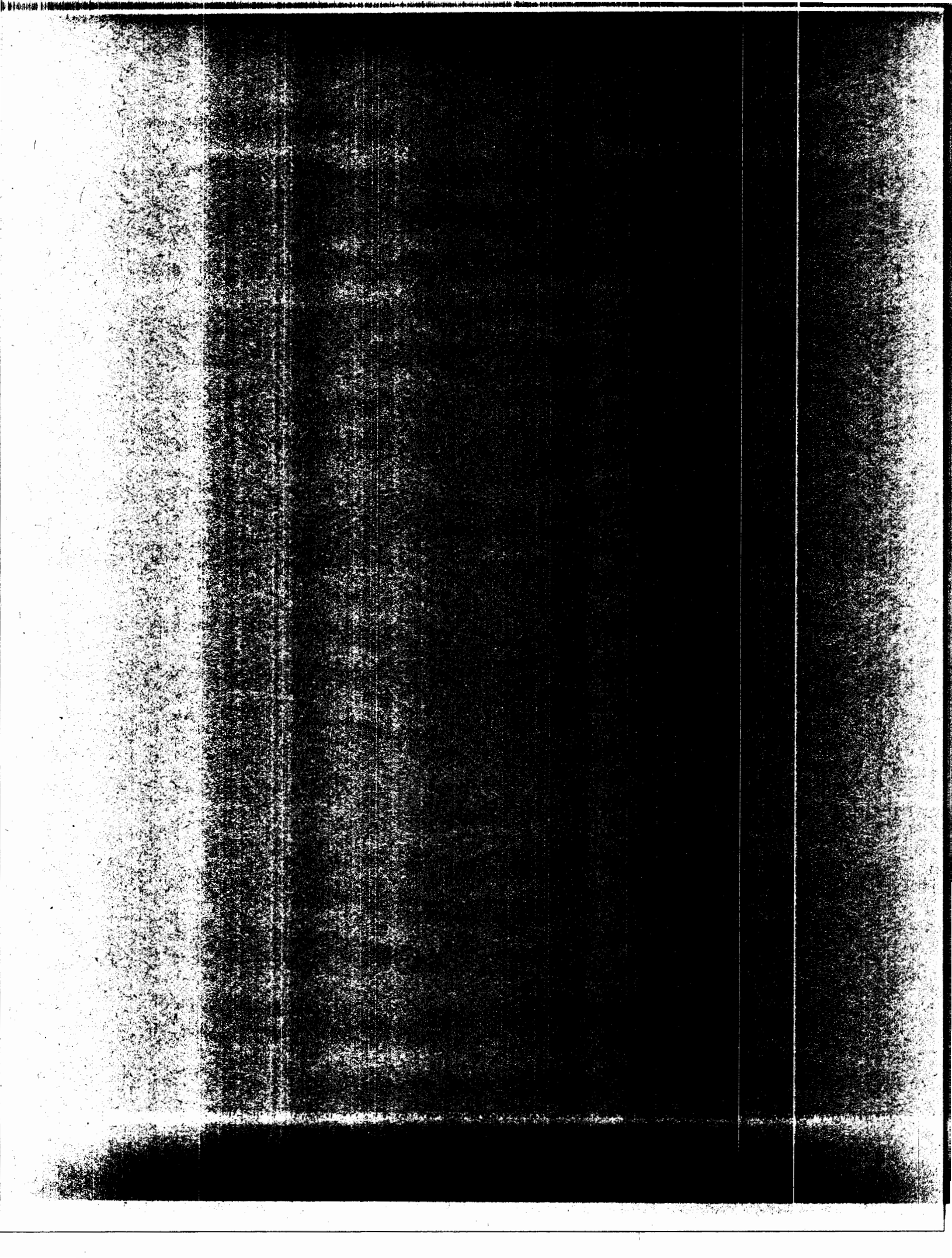
We now have run out of ideas as to how to stop the infection and we would like to know if any of the phycologists who read the Newsletter have any ideas as to how to stop the infection. The basic problem is that the organism is neither a bacterium or fungus for which there are effective antibiotics, instead it is definitely an alga for which we know of no effective chemicals.

I would appreciate it if you could put this in the Newsletter and see if anyone has any ideas."

New P.S.A. Officers Elected

The recent balloting has provided the following slate of new officers:

- President for 1972: Phil Cook
- Vice President for 1972: Bob Hoshaw
- New members of Editorial Board for Journal: Joyce Lewin (re-elected)
- Jack Myers
- Paul Silva



PHYSIOLOGICAL 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

_____ 1965, to include Vol. 1 of Journal
_____ 1966, Vol. 2
_____ 1967, Vol. 3
_____ 1968, Vol. 4
_____ 1969, Vol. 5
_____ 1970, Vol. 6
_____ 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 1-7 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 \$25.00 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