

PHYCOLOGICAL NEWSLETTER



Volume 3, Number 3

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Editor: Patricia L. Walne, Department of Botany
The University of Tennessee, Knoxville, Tennessee 37916

The 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.

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New Format for Newsletter

Beginning with Volume 4, Number 1 (January issue), the Newsletter will be printed rather than duplicated. The new process will allow for the reproduction of photographs, so if you have any black and white glossy prints of interest to phycologists (field trips, faces, etc.) and an announcement or story to accompany them, please submit them. The printing procedure also requires a longer preparation time, so the deadline for material to be included in the January issue will be January 8, 1968.

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Oceanographic Awards

Stanford Oceanographic Expedition 18 will commence 3 April 1968 from Guayaquil, Ecuador, and terminate at Monterey, California, 16 June 1968. During this period, the RV TE VEGA will study the shallow water benthos along the coast of the Eastern Tropical Pacific from northern Peru to southern Mexico. Intensive ecological and physiological studies will be conducted in selected areas and related to the geographic distribution of particular marine organisms. Applications for this Expedition will be accepted until 1 Jan 1968, and advance inquiries are encouraged. Applicants may be of either sex, must be research-oriented graduate students or "young professionals" in biology, should be in good academic standing, and in excellent physical and emotional health. The Expedition represents an intensive 15-unit graduate-level course in Biological Oceanography given at sea by a faculty of three (Drs. Donald Abbott, Stanford University; William Evans, University of Alberta; Richard Bovbjerg, University of Iowa). Ten NSF Awards covering subsistence, full tuition, and transportation to and from the vessel are available. Contact Dr. Malvern Gilmartin, Hopkins Marine Station, Pacific Grove, California 93950, for further information.

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Reprints Needed for MBL Library

Janet R. Stein, University of British Columbia, Vancouver, urges all phycologists to send their reprints to the library at the Marine Biological Laboratory, Woods Hole, Mass. She reports that their reprint collection in phycological literature is poor. Journals may not be removed from the library, but reprints can be taken to the labs, and this is advantageous for teaching and research. So send your reprints now to the MBL library..

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New Facility at Newfoundland

With the establishment of the new Memorial University of Newfoundland Marine Sciences Research Laboratory at Logy Bay, Newfoundland, in June 1967, unique opportunities now exist for the study of all aspects of the marine algal flora of the Island of Newfoundland and Labrador, areas scarcely touched by phycologists. The Laboratory, directed by Dr. F. A. Aldrich, is devoted entirely to research and contains facilities for marine biological work as modern as any in the world. The Laboratory is designed for year-round operation, even under the testing winter conditions of the Newfoundland coast. A special feature is a roof-top PHYCORIUM, a large facility designed for growing marine algae under near-natural conditions. Running sea water and hot and cold freshwater are piped to each of the 28 laboratory units. Besides dark-room and other standard features, SCUBA diving equipment and underwater television are available, and installation of an electron microscope is planned.

With the new facilities for phycology in the Memorial University Biology Department, several long-term projects are envisaged. Priority tasks, under the direction of Dr. G. Robin South, are the building up of a representative collection of local and other marine algae and the provision of relevant information storage and retrieval facilities. Floristic and ecological studies of the Province's freshwater and marine algae are planned, and it is also anticipated that the pollution tolerances of selected species will be investigated.

The isolation of Newfoundland poses a number of problems of communication with other institutions. Any contact with other phycologists, far or near, would be greatly appreciated, and the donation of pertinent reprints or herbarium specimens of marine algae would be especially welcome.

Please direct inquiries to: Dr. Marshall Laird, Head, Department of Biology, Memorial University of Newfoundland, St. John's, NEWFOUNDLAND, Canada.

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Darbaker Nominations Urged

The committee on the Darbaker Prize of the Botanical Society of America encourages nominations for an award to be announced at the annual meeting of the Society at Columbus, Ohio, in 1968. 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 1968 will depend on the income from the trust fund but is expected to be about \$250. Nominations for the 1968 award must be accompanied by a statement of the merits of the case and by reprints of the publications supporting the candidacy. The deadline is June 1, 1968. Chairman of the Committee: Dr. Frank R. Trainor, Department of Botany, University of Connecticut, Storrs, Connecticut, 06268.

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Herndon's Talk Promotes Thought

A number of requests have been received for excerpts or abstracts of the Past President's Address at the Psychological Society Luncheon at Texas A & M in August. There follow some excerpts from the talk by Walter R. Herndon, Assistant Academic Vice President at the University of Tennessee and Past President of the Psychological Society.

"...I should like to examine some aspects of the recent, almost phenomenal growth of the Psychological Society. In so doing, I will attempt to examine generic components of the Society and express some personal opinions about the practice of our science.... The strength of a relationship between individuals and groups of individuals depends upon what is held in common, not upon their uniqueness. What have we got in common? A journal, a newsletter, an annual meeting with friends and colleagues, a set of officers, and hopefully, a conviction that an understanding of algae from every conceivable point of view is worthwhile. Now, it is this last point which I feel to be the key to our Society's development....

...We have as a Society made a pretty respectable effort of facing our problems, but there are forces in other systems in which each of us work which continually are at variance with an effort toward unity. One such force is related to the nature of our system of advancement of knowledge.... To destroy a well-established myth rates the title of a hero. And so we train the individual to the point of such uniqueness that the end product is a lonely man who can't communicate his ideas to anybody else. As a counter measure to this comes the subdiscipline. The isolated discoverer finds an unimpressed bit of protoplasm and determines not to be alone. He inserts his needle of discovery into his subject, discharges the code, and replicates himself. The process repeated through several incestuous cycles becomes "the discipline." We also pass this off, sometimes, as education. I should not like to judge this process as good or bad but real and evident among us in varying degrees. The result of this process is more fragmentation, more specialization, more words--and while words are a common basis for understanding, they are also the basis for most misunderstanding. Words--represent ideas--and ideas exist only in heads....

...We insist on our species fitting binomial boxes--we continue to allow ourselves to be surprised when a find does not fit our box. Yet, we claim a competent knowledge of the mechanics of genetics and evolution.... We have a real and urgent need for new approaches for the transmission of ideas--new approaches involving shapes, tactile transmission, patterns which span time, which assume a third dimension.... Finally, we have a responsibility for conveying the relevance of our work...."

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Reminder

Your Newsletter editor needs NEWS! Send announcements, articles, photos, newsy notes. Deadline for January issue is January 8, 1968!

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CUEBS Annotated Teaching Bibliography—References Needed

Ray Holton, Representative of the Phycological Society to CUEBS, announces that the Commission of Undergraduate Education in the Biological Sciences is initiating a program which would attempt to keep teachers of general courses in biology, botany, and zoology abreast of current developments. To accomplish this end, CUEBS expects to publish an Annotated Teaching Bibliography containing references to recent fundamental and significant publications (journal articles, books, etc.). To start the project, CUEBS is asking each professional society to contribute between 5 and 12 such items that are judged on their overall influence on current thought or concepts in their areas of biology. Dr. Holton would like to receive suggestions of references (appearing in 1966 or 1967) which might be included in this list. Brief annotations as to their content and importance should be included. Suggestions will be screened and passed on to CUEBS. Suggestions should be submitted by November 15 either to Dr. R. W. Holton, Department of Botany, University of Tennessee, Knoxville, or to Dr. Hannah Croasdale, Department of Biology, Dartmouth College, Hanover, New Hampshire.

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Diatom Catalogue Available

A Catalogue of the Fossil and Recent Genera and Species of Diatoms and Their Synonyms, Volume 1, by Sam L. VanLandingham is now for sale by J. Cramer, Natural History Publisher and Bookseller, P.O. Box 48, 3301 Lehre, Germany.

The Catalogue is basically a revision of F.W. Mills' Index to the Genera and Species of the Diatomaceae and Their Synonyms. According to VanLandingham, the advantages of the Catalogue over the Mills Index are 1) The listing of taxa and their synonyms is more complete and covers the years 1786-1964. In the first volume of the Catalogue alone there are over 430 entries (prior to 1935) that were not listed in the Index. 2) The code of citation is uniform and in nearly every case is complete for each taxonomic name (over 21,000 citations in the first volume alone, covering Acanthoceras through Bacillaria). 3) A complete bibliography of all references cited is presented (over 900 entries in the first volume). 4) The errors in the Catalogue are limited mostly to synonymy interpretations and errors of the original authors or errors of the literature.

Dr. VanLandingham reports that 8 major volumes and 2 or 3 supplementary volumes are proposed, with a total of about 6000 pages. It may be the most extensive reference on diatoms ever published. An attempt will be made to catalogue all of the diatom taxonomic names which are estimated to number more than 80,000.

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First Dues Notice

Please pay 1968 dues as soon as possible. Your 1968 dues cover all 4 issues of volume 4 of the Journal of Phycology. Pay in U.S. dollars.

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

Dues Schedule:

Full-time students	\$ 5
Individuals (not full-time students)	9
Libraries & organizations	10
Joint members	14
Retired individuals (at least 10 years' tenure as members)	5

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Research Topics Under Investigation

In an attempt to promote communication among the many laboratories engaged in phycological research, we will list topics under investigation in different universities and research centers in the forthcoming issues. Space does not permit a lengthy discourse but brief statements will be included. Your editor has requested lists from a few laboratories with the hope that once the column is underway, all of you will submit such lists without special solicitation. There was such a fine response this time that space permits the listing of only a few, but please send your topics in, and we will list them as we can. Should a particular topic or area interest you, please feel free to write the investigator or laboratory directly.

The University of Connecticut, Storrs (F.R. Trainor):

Classification of non-spine bearing Scenedesmus species.
Extracellular products produced by soil algae.
Growth inhibition in 2-membered cultures of algae.
Survival of fresh water algae in an estuary.
Cytology of chlorococcalean algae.
Morphological variability in centrate diatoms.

The University of California, Davis (Norma J. Lang):

Ultrastructural studies on Anabaena and Anacystis nidulans are continuing and the effects of a variety of chemical fixatives are presently under investigation. Future work is planned on ultrastructural features associated with adaptation to unusual environmental conditions.

Ultrastructural studies on the apex of Chara braunii Gmelin.
(Julia G. Baldia Pantastico)

Studies on factors affecting copper sulphate toxicity in cultures of Scenedesmus quadricauda (Turp.) Breb. (J.F. Arthur)

Ultrastructure and cytochemistry of cultured Trebouxia erici, T. anticipata, T. gelatinosa, and T. impressa with special emphasis on the pyrenoid, storage products, and environmental effects on these features. (K.A. Fisher)

Ancylistes parasitic on Closterium acerosum. Environmental factors such as light, temperature, and pH affecting the progress of infection are being used to elucidate developmental details in both the fungus and the infected alga. (M.D. Ball)

An electron-microscopic study on zygote formation in Cosmarium especially regarding the fate of gamete chloroplasts, time and mode of nuclear fusion, and wall development. The ultrastructural events accompanying zygote germination are also to be examined. (T.L. Lyon)

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AAAS Report

Ray Holton, Phycological Society Representative to AAAS, reports the following items. The 1967 AAAS meetings will be in New York City, December 26-31. A general Symposium on Marine Sciences and Biology Symposia on a coastal marine ecosystem and productivity and mineral cycling in natural ecosystems may be of interest to phycologists. Annual dues to AAAS will be increased from \$8.50 to \$12, effective January 1, 1968. Opinions concerning the time of the annual meetings were split; therefore, the Board decided to continue meeting in late December but will study other possibilities. Total revenue of AAAS in 1966 was more than \$3.4 million, and Science now has a weekly circulation of 130,000 copies. 7600 people attended the annual meetings in Washington last year.

The Council passed a resolution expressing the concern of AAAS over the long-range consequences of the use of biological and chemical agents to modify the environment; it also established a committee to study the effects of chemical and biological warfare agents, and volunteers the cooperation of the AAAS with public agencies and government offices to ascertain objectively the implications of programs that modify the environment.

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News of Members

And another fine phycologist is on the "Administrative Road!" Norma J. Lang, University of California, Davis, has been appointed Assistant Dean of the College of Letters and Science in charge of Biological Sciences. She is also chairman of the committee charged with the major responsibility for the biological science curriculum for about 750 majors!

Frank R. Trainor, University of Connecticut, Storrs, sends word of two of his students: R.J. McLean is on a postdoctorate with Harold C. Bold at the University of Texas, Austin. T.F. Lee is now Assistant Professor of Biology, St. Anselm's College, Manchester, N. H.

Sam L. VanLandingham is now Assistant Professor of Biology at Northeast Louisiana State College, Monroe, La. This past summer he was a special lecturer at the University of Oklahoma Biological Station at Lake Texoma.

Richard L. Smith, Eastern Illinois University, Charleston, taught the phycology course last summer at the University of Wisconsin, Madison.

Elenor R. Cox is now Assistant Professor of Botany, Texas A & M University, College Station.

Julia G. Baldia Pantastico completed her Ph.D. at the University of California, Davis, in August 1967. She and her new husband will return to the Philippines at the first of the year and begin teaching in the Department of Botany at the University of the Philippines.

James F. Arthur, University of California, Davis, completed his Master's degree in August. He is interested in obtaining a position in water quality control or allied areas. (For his thesis title, see column "Research Topics Under Investigation")

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H. C. Bold Feted

On Tuesday evening, August 29, during the recent A.I.B.S. meetings, Harold C. Bold, Past President of the Botanical Society of America and Professor of Botany at the University of Texas, was honored at a dinner attended by many of his former students. Dr. Bold, his wife, Mary, Mary's sister, and about 30 of his 47 students (including those currently studying in his laboratory) met at a small restaurant some miles from Texas A & M and enjoyed a smorgasbord with fried chicken (one of Harold's favorites) as the main dish. The gathering, organized by Malcolm Brown, afforded HCB's earlier students an opportunity to meet recent and prospective products of his laboratory. A number of his former students have set up their professional offices in all corners of the earth, and most of those unable to attend the celebration were from foreign countries.

Following the meal, a series of eloquent exchanges of oratory between some of the students and their distinguished professor ensued. This included a presentation of a small gift to support Harold's enlarging greenhouse at his home. He introduced each former student to the group and included a humorous tale about each one. Many were amazed at his fantastic memory, which often dredged up trivial incidents in the life of a student during his tenure at Harold's laboratory. Wives and husbands of students were included also and seemed to enjoy the festivities thoroughly. —Bruce C. Parker

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International Symposium on Eutrophication

The first International Symposium on Eutrophication, sponsored jointly by the National Academy of Sciences and the National Research Council, was held at the University of Wisconsin, Madison, from June 11-16. More than a dozen members of P.S.A. attended. Although about 250 registrants were expected, 570 attended. The shores of famed Lake Mendota were an appropriate site for the symposium, not necessarily because of the long history of leading limnological research there, but because in recent years this lake has become troubled with loss of habitat due to erosion, pollution and fertilization.

Discussion on concepts of eutrophication and its documentation led to a general agreement on a definition of "eutrophication" (i.e., increases in nutrient content (especially nitrogen and phosphorus) of lakes, streams and estuaries, decreases in the dissolved oxygen content with corresponding increases in the biota, especially the phytoplankton). Data were presented which showed that excess fertilization of natural waters, especially in Europe and North America, has led to serious deterioration of water quality.

A gross overemphasis on phosphorus as a factor in eutrophication became evident early in the symposium. Too few researches were concerned with the complex of factors affecting lake ecosystems, including the role of trace metals, vitamins and other organic substances. Luigi Provasoli pointed out this overbalance and suggested that we might focus on other factors with as much interest. Those in attendance soon became aware that fundamental and cooperative research is a necessary prerequisite for sound policy making with regard to preventive and corrective measures. It is unfortunate that the Department of Interior's Administration did not participate in the symposium to the extent anticipated. Only through cooperative research can we become influential leaders in setting policy for the wise use of our water resources. — Eugene Bozniak, Washington University, St. Louis.

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MINUTES OF THE ANNUAL BUSINESS MEETING

The meeting was called to order by the President, Hannah Croasdale, at 11:20 A.M., August 29, 1967. Approximately 70 members were present.

President Croasdale announced that the Executive Committee met to consider a number of important problems and questions on the previous day. Some of these questions deserved first-order position at our annual meeting.

(1) The Executive Committee considered ways and means of better coping with the increasing load of work associated with our growing Society. This problem could best be met either by hiring additional clerical help or by distributing the work amongst a larger number of officers. The Executive Committee favored the latter alternative and proposed an amendment to the Bylaws of the Society as follows: The office of Secretary-Treasurer shall be split into Secretary and Treasurer, the duties of each to be determined by appropriate division of the duties for the Secretary-Treasurer as described now in our Bylaws. Both new officers will be regular members of the Executive Committee, and will serve a term of 3 years as was the case for the Secretary-Treasurer. The Executive Committee proposed, however, that for the first term the Secretary would serve only 2 years, while the Treasurer would serve 3 years, in order to stagger the rotation of officers. President Croasdale announced that, (if the proposal was passed), the Secretary-Treasurer would be empowered to amend the Bylaws appropriately and on approval by the Executive Committee the revision would be distributed to the membership. Following a small amount of discussion, the motion to approve the amendment as proposed was voted on and agreed to unanimously by those voting members present.

(2) President Croasdale announced that our Business Manager of the Journal, Seymour Hutner, has asked to be relieved of his office due to increased work loads connected with his many other activities. The Executive Committee had accepted Hutner's resignation to be effective December 31, 1967, and in accordance with the Bylaws, the Executive Committee has proposed to fill the office of Business Manager with another person to serve out the remaining 2 years of Hutner's term of office. The individual selected for this position was Bob Anderson, at the University of Missouri in Kansas City, on the basis of his useful experience as appointed Membership Secretary during the past year, his experience with the Journal of Phycology through the Allen Press, and his close geographical location to the Allen Press. Following Bob Anderson's 2 year term of office the office of Business Manager will be elected routinely along with the other officers.

There were no questions or comments.

(3) The third item on the agenda was the announcement that the Executive Committee had considered comments from the membership concerning the usefulness of the Special Lecture in Phycology. It was felt that the Special Lecture was a valuable function performed at the Society's annual meeting and that it should be continued. In accord with last year's meeting, it may be recalled that it was agreed the Special Lecture would be submitted as a manuscript to the editor of the Journal and, at the editor's discretion, would be published in the Journal. Dr. Whitford, who gave this year's Special Lecture, agreed to submit a manuscript to Luigi. In the future, the Executive Committee decided that the Special Lecture in Phycology might be more appropriately termed The Distinguished Lecture in Phycology.

While discussing the Special Lecture in Phycology which was established to honor a senior phycologist and his life's work, the Executive Committee also

considered the possibility of giving one or more annual merit awards along the lines already established by the long tradition of the Botanical Society of America. No decision was made at the meetings, but the Executive Committee urged that all members of the Society consider this item and send their comments to any of the officers.

(4) The next item on the agenda included the various reports. The Secretary's report was read and accepted by the membership. The report was as follows:

<u>Memberships</u>	<u>1965</u>	<u>1966</u>	<u>1967</u>
Regular (\$9, \$5, \$4.50)	421	523	618
Joint (\$14)	2	3	1
Institutional (\$10)	<u>46</u>	<u>195</u>	<u>271</u>
Total	469	721	890**

%increase over previous year 1965-1966, ca. 53%;
1966-67, ca. 10%.

New Regular Members between August 20, 1966 and 1967
(including three reinstatements) 110

New Institutional Members since August 15, 1965 79

Total New 189

Dropped for non-payment of dues or resignation 20*

*There still remain approximately 30 members who have failed to respond to 5 dues notices for 1967. Their names will be removed from the membership roster in September.

**The growth rate of P.S.A. is such that we should reach 1000 sometime during 1968.

The Treasurer's report was then read and approved. The Treasurer's report was as follows.

Balance on hand, August 10, 1966	\$	7,747.49
Balance on hand, August 21, 1967		<u>11,408.37</u>

Increase	\$	3,660.88
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Expenses:

A.I.B.S., 1966-67 Adherent Society Dues	400.00
A.I.B.S., Addressograph services	242.47
A.A.A.S., 1967 Affiliate Society Dues	10.00
Special Lecture in Phycology, Honorarium	100.00
Clerical Assistance for Secretary-Treasurer	201.00
Bonding Insurance for Secretary-Treasurer	18.00
Stationery, postage, phone calls for Secretary-Treasurer	200.69
Phycological Newsletter, mailing and typing costs (3 issues)	230.87
Bob Anderson, acting as Membership Secretary during 1967, miscellaneous expenses	50.00
Refunds to agencies	38.00
Second class permit, St. Louis Post Office	<u>80.00</u>
Subtotal	\$ 1,571.03

Allen Press, reprints, printing and postage:

Vol. 2, no. 1 reprints	348.80
Vol. 2, no. 2, 1400 copies	1,315.77
Vol. 2, no. 2, reprints	327.03
Vol. 2, no. 3, 1400 copies	1,048.98
Vol. 2, no. 3, reprints	363.10
Vol. 2, no. 4, 1400 copies	835.31
Vol. 2, no. 4, reprints	383.58
Vol. 3, no. 1, 1400 copies (including Supplement)	1,592.10
Vol. 3, no. 1, reprints	<u>660.25</u>

Subtotal, Direct costs for Journal of Phycology	\$	6,874.92
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Expenses, Grand Total	\$	<u>8,445.95</u>
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Credits:

Membership dues (including individuals, institutions, and sale of back issues of Journal)	\$ 9,264.65
Sale of address labels	20.00
Sale of Phycological News Bulletin	48.00
Sale of reprints	2,466.50
Interest on savings	286.30
Sale of book (Prescott; final)	20.00
Postage refund (3rd class mail)	<u>1.38</u>
Total	<u>\$12,106.83</u>

Comments:

The Society is extremely healthy financially:

- (1) Approximately 40% of the original printed bulk of the Journal remains in storage available for future sales.
- (2) The Second Class P.O. Permit has resulted in a saving on postage.
- (3) The growth in the Society has enhanced the annual income.

An informal report on behalf of the editor was presented by Bruce Parker. Luigi is confident that he will be able to bring the publication time up-to-date in the near future. Manuscripts are coming in at a slightly improved rate, and Luigi would like the Society's support to increase the pagination of the issues as the need arises. Luigi is considering also broadening the base of the Journal which will result in a wider distribution. The membership gave their unanimous support to these moves, and commended Luigi for his excellent managing of the Journal over the past $2\frac{1}{2}$ years.

The Business Manager's report was presented informally by Bruce Parker. The problem of reprint orders was discussed, and ways and means to improve the efficiency of the reprint orders by sending them exclusively and directly to the new Business Manager. Advertising will not be introduced into our Journal in the near future in view of the 2nd Class Mailing Permit rules of the U.S. Post Office and the current controversy concerning income tax from those societies which do have advertising. The nature of the compulsory page charges recently introduced into the Journal of Protozoology was discussed, and it was decided by the Executive Committee that compulsory page charges would not be introduced into the Journal of Phycology for the current year. However, this will be constantly under review in the future.

A brief report on behalf of the Phycology Techniques Book Editor (Janet Stein) was presented by Walter Herndon, Past-President. The Executive Committee

has agreed to give Janet Stein \$575.00 for the current 1968 year to support the necessary expenses in the furtherance of Janet's work towards the Phycology Techniques Book.

The Newsletter Editor's Report was presented by Hannah Croasdale. Pat Walne will continue as Newsletter Editor. She urges that all members send tidbits of news to her and any criticism and ideas aimed at improving the Newsletter. The Executive Committee decided to urge Pat to investigate ways and means of improving the Newsletter. For example, she might consider looking into a new printing process which will enable reproduction of pictures of field trip activities and other events of possible interest to our Society.

Ray Holton's report as Representative for the N.S.F. and C.U.E.B.S. was presented by Walter Herndon. C.U.E.B.S. (Commission on Undergraduate Education in the Biological Sciences) has initiated a program to keep teachers of general biology (botany and zoology) informed of relevant developments in the field. The program includes publication of an Annotated Teaching Bibliography containing recent fundamental and significant publications of journal articles, books, etc. C.U.E.B.S. is asking professional societies to contribute a list of up to 12 select publications of significance to the specific area of its interest. Send your suggestions to Dr. Raymond Holton, Department of Botany, University of Tennessee, Knoxville, Tennessee, 37916.

William Clark, our Texas A&M representative, was asked to report on a recent meeting of the A.I.B.S. which he attended on behalf of the Phycological Society. Two pressing issues were presented: (1) A.I.B.S. urged discussion and consideration of the problems which might arise after 1970 if the growth of the Society reached the point that it could no longer be housed on college campuses. (2) The issue of A.I.B.S. sponsoring and arranging multiple disciplinary symposia was raised. Both of the above matters were discussed during the annual meeting by the members present. It was felt strongly that A.I.B.S. should make every effort to continue meeting on college campuses, even if it meant reorganization of the scheduling and timing in order to achieve some sort of stagger effect on the housing problem. The members present voted unanimously to support this point of view. Discussion also occurred on the second issue. Richard Starr expressed feelings that A.I.B.S. symposia should not interfere with individual society functions. Further discussion along these lines indicated that the members present were in full agreement with this point of view. It was suggested that, perhaps, if A.I.B.S. wished to hold interdisciplinary symposia, these might be best done during the evenings, or, perhaps, on Sunday prior to the Monday of the meetings so that they did not interfere with the affiliate society functions. Even exhibitors were complaining at the current meeting because there were no people around to look at the exhibits during the plenary session. A vote was taken and it was unanimously agreed that these thoughts should be conveyed to the A.I.B.S.

Ray Galloway, Representative for the National Research Council, had no report to give. The N.R.C. had not met since he was appointed representative.

Hannah Croasdale expressed her gratitude to all of the officers and representatives of the Society who made possible these reports. Especially, thanks go to William Clark who did such a magnificent job of organizing this year's Phycological Society meeting, including the Luncheon and the Field Foray.

Next year, the A.I.B.S. meets in Columbus, Ohio at Ohio State University. The Executive Committee felt that, as in the past, the Society should continue to meet with A.I.B.S. and hold its Annual Meeting. This will be the site of our next Annual Meeting.

(5) The next item on the agenda dealt with the relationship between the

International Botanical Congress and the Phycological Society of America. Richard Starr expressed his feelings that the Phycological Society, as a society largely composed of botanists, should support the International Botanical Congress. He pointed out the fact that federal funds were very difficult to obtain for support of this Congress. He urged that each society consider supporting the Congress by means of making a donation to the international Botanical Congress in response to a request from the Congress. Starr recommended a donation of about \$2,000.00 from the Phycological Society. In the discussion that followed, Bruce Parker reviewed the status of the Society's treasury, and although there were a considerable number of possible financial commitments by the Society in the near future, it was decided generally that the Society could afford at least \$1,000.00 during 1967 and another \$1,000.00 during 1968 to support the International Botanical Congress. Bruce Parker suggested that this support might best come from individual donations, rather than from the dues of members. Clinton Dawes suggested a compromise between the two points of view: that the Society donate the amount of money, and that during the next billing for dues this additional amount of money could be added to the dues with an explanation pointing out that it was a voluntary payment for the International Botanical Congress. This was made as a motion, it was seconded, and following further discussion, the vote was unanimous to accept Clinton Dawes' motion. The Phycological Society, therefore, has donated \$1,000.00 to the International Botanical Congress. In the next year, it will donate an additional \$1,000.00 providing the finances do not take an unusually bad turn.

Concerning the discussion on the International Botanical Congress, it was pointed out that A.I.B.S. was to meet between August 31 and September 5, 1969, in Pullman, Washington, while the International Botanical Congress will meet in Seattle from August 24 to September 2, 1969. The overlap between these two meetings was rather considerable, and the question was raised as to what could be done. It was pointed out that, as in the past, the Phycological Society would probably not wish to meet with A.I.B.S. during the year that the International Botanical Congress is held in this country. Further discussion on this subject will be solicited at the next Annual Meeting.

The problem of hospitality to foreign phycologists at the Congress was also raised. It was pointed out that during the last International Botanical Congress held in Edinburgh, American phycologists were wined and dined by the in-residence phycologists. It would seem that something of this nature should be planned in advance for foreign phycologists coming to the International Botanical Congress, and the Phycological Society was urged to think on this subject.

Time did not permit additional agendas to be considered except the announcement of new officers for 1967: President --- Frank Trainor

Vice-President --- Bruce Parker

Secretary-Treasurer --- In view of the fact that the amendment was approved to separate the Secretary-Treasurer into two officers, the Executive Committee urged the membership to consider that both of the candidates for this office be given one of the offices. In view of the difficulty of transferring the treasury from St. Louis, it was recommended that Wayne Nichols receive the office of Treasurer, and Philip Cook receive the office of Secretary. The members present voted unanimously to accept this condition.

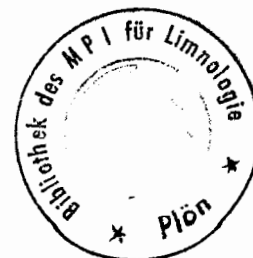
The Past-President will be Hannah Croasdale; Luigi Provasoli will continue as Editor of the Journal; and Bob Anderson will serve out the remaining term of office as Business Manager of the Journal. Henceforth, the Executive Committee will consist of 7 members.

As per the Bylaws, the Editor of the Journal is to nominate annually 3 new members of the Editorial Board, and these must be approved by the Executive Committee. Luigi has nominated Mary Parke, Norma Lang, and G.E. Fogg. The Executive Committee has approved these nominations. The 3 candidates being elected by the membership for the Editorial Board are: Walter Herndon, Hannah Croasdale, and Jack Myers. Each of these members of the Editorial Board will serve the usual term of office. The meeting was adjourned at 11:50 A.M. The annual meeting was reopened at 12:40 P.M. immediately following the Phycological Luncheon. During this time, several points of new business were raised by the membership as follows: (1) Norma Lang expressed concern over the fact that, in spite of the notification sent to authors of papers by Bruce Parker to limit their talks to no more than 10 to 12 minutes, numerous papers which had been presented in the previous session had exceeded 12 minutes, and some had exceeded the 15 minute maximum, leaving no time for discussion. Dr. Lang urged that something be done to enforce the time limit on papers. It seemed to her that this represented a dual responsibility of both the authors of papers and the session chairmen who held the watches. (2) Louis Williams commented that he would like to see the Journal of Phycology move to some extent into environmental engineering. He pointed out the growing importance of water pollution and other related problems, and suggested that the Journal might consider publishing phycologically oriented papers in this area. (3) Bob Krauss reported that dues to the A.I.B.S. will probably be raised during 1968. The Annual Meeting was adjourned for the second time at 12:55 P.M.

Unfortunately, not all of the intended agenda was presented at the Annual Meeting: (1) The Executive Committee has discussed the value of the Annual Field Foray. The Committee feels that this activity is vitally important to the Society and that something needs to be done to insure its continued success. The Executive Committee recommends that the new Secretary take on the responsibility of organizing and coordinating the Program at the Annual Meeting, and that he consider scheduling the Field Foray such that a majority of those interested may attend. As mentioned earlier in the Annual Meeting, it may be possible to publish pictures of the Field Foray in future Newsletters, and Pat Walne will consider this possibility. Comments from the membership are requested on this subject. (2) The Executive Committee has authorized the Secretary to prepare a new membership roster sometime during 1968.

Respectfully submitted,

Bruce C. Parker
Secretary



30. NOV. 1967