



NEWSLETTER

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EDITORIAL:

I would like to formally ask the members of the Society to continue to submit any items that may be suitable for publication in the Newsletter. It is preferable to receive identical information from several members than not to receive it at all. These items include, but are not limited to:

Positions Open - please include a complete description of the duties involved, the application materials required, and the deadline for receipt of applications. In order to insure that the listing is still available, we require that you resubmit an ad for each issue in which you desire the listing to be continued. When convenient for printing purposes, we will place all of the listings on a separate page that may be posted at your institution.

Positions Wanted - please limit your request to fifty words. It will be published with a code number and the Newsletter will provide your name and address to prospective employers upon receipt of a response from them.

Calendar of Meetings - this listing will be updated as needed. On occasion a full page separate list will be published that you can post for your (or others) information.

Awards, Honors, and Fellowships - will be listed as we receive them. Please supply any information that you may have regarding nominations for or receipt of such awards that may be of interest to your colleagues.

Guest Editorials - you are invited to express your views on matters pertaining to the interests, functions, concerns, etc. of the membership.

Conference Reports - those who attend a meeting of interest to the membership are invited to submit a one page report for publication in the Newsletter.

Miscellaneous - the Newsletter's main function is to disseminate information concerning the Society, its members, and matters related to Photochemistry and Photobiology. Its usefulness is directly proportional to its sources. You are a potential source of information - please be useful.

NOTE - all of us thank Bodo Diehn for his dedication in maintaining an active Newsletter. Those of us at institutions somewhat removed from the mainstream of the major research centers specifically thank Bodo for making it possible for us to rely on the Newsletter as an official "grape-vine" regarding current issues of interest. Bodo is presently aiding me as I begin my tenure as Newsletter Editor and I thank him personally for his help.

AMERICAN SOCIETY FOR PHOTOBIOLOGY Minutes of the 9th Business Meeting
June 17, 1981, Williamsburg, Virginia, Norman I. Krinsky, Secretary-Treasurer

I. REPORTS (Continued from September Newsletter)

A Membership Report was presented by Krinsky indicating that we now have 1226 full members, 53 student members, 9 emeritus members, and 9 sustaining members for a total of 1297 members for 1981. The very rapid growth in the last two years has been due to the work of Beth Gantt, the Chairman of the Membership Committee, as well as solicitations by Pill-Soon Song, the Editor of the Journal. He then asked the Membership to stand for a moment of silence in memory of two members who died during the last year. They were Harold F. Blum of Philadelphia and Max R. Zelle, of Colorado State University.

Finally, Krinsky reported that by unanimous action of the Council, the dues' structure will remain the same for 1982.

Dr. Pill-Soon Song, Editor of PHOTOCHEMISTRY AND PHOTOBIOLOGY, reported with respect to Journal operations. He reported that 452 manuscripts were received in 1980 with an acceptance rate of 55%, significantly lower than previous years. 53% of the manuscripts came from the United States and 47% from other countries. The publication time for the two volumes in 1980 and the first volume in 1981 have averaged 7.5 months. He is still making every effort to decrease the overall publication time.

II. SOCIETY BUSINESS

President Seliger began a discussion of Society Business by expressing the thanks of the Membership to the Secretariat for the organization of the Williamsburg meeting and the selection of the excellent site. He then read the names of the 7 student travel awardees, Curtis Allen Cole of Temple University, Rose Marie Deibel of Johns Hopkins University, Tae-Ryong Hahn of Texas Tech University, Sharon Pauline Moore of the University of Louisville, M. P. Tantoco, University of San Francisco, Willem Frederik Johan Vermaas, University of Illinois, Urbana, and Teresa S. Yulo of the University of Rochester School of Medicine and Dentistry. Seliger thanked these individuals for applying for these travel awards and welcomed them to the meeting. This welcome was enthusiastically shared by the entire membership. Seliger pointed out that the future meetings of the Society include the 1982 meeting to be held during the week of June 27-July 2, 1982 in Vancouver, BC, the 1983 meeting, to be held June 26-June 30, 1983, at Madison, Wisconsin and the 1984 meeting would be held in conjunction with the International Photobiology Congress during the week of July 1-July 6, 1984 in Philadelphia, Pennsylvania.

III. BUSINESS FROM THE FLOOR

A question was raised with respect to the Newsletter Editor and John Parrish, Chairman of the Publications Committee, reported that a new Newsletter Editor would be recommended to the 24th Council Meeting immediately after the Business Meeting and that he would take over in one of the next two issues of the Newsletter. Madhukar Pathak pointed out that the number of abstracts has continued to increase and raised the question as to whether we should have a critical review of the abstracts so that only selected ones would be presented. Seliger responded that the Council has been discussing this issue and has referred it to the Program Committee. Pathak then asked about the possibility of again having banquets or dinners at the meeting and Krinsky, as Program Chairman for the 1982 Meeting, responded that a Local Arrangements Committee will be appointed, charged with the responsibility of insuring that we have both a salmon barbeque at the Vancouver meeting and that the weather be comparable to that experienced by the Society during their meeting in Vancouver in 1974.

Seliger then introduced the new Councilors and Officers to the Membership and asked them to stand as the Membership expressed their appreciation for assuming their new responsibilities.

IV. PRESIDENTIAL REMARKS

Seliger began his remarks by thanking those members of the Council who have completed their service. They include Beazy Sweeney, who is completing her term as Past-President and Councilors Rod Clayton, Chris Foote, Beth Gantt and Stan Rupert. He also expressed the sincere thanks of the Society to Bodo Diehn, who is completing 4½ years of very valuable service to the Society as Editor of the Newsletter. The Membership joined Seliger in expressing their appreciation to Diehn for the excellent work he has done during this period of time.

Seliger pointed out that the ASP is almost unique among scientific societies in being able to bring together people from many different disciplines who are able to sit down, talk with one another and listen to each other with respect to many activities, including science. He expressed his hope that the Society, although growing, would continue to maintain this posture. President Seliger then spoke of the traditions of the Society which include transferring the scepter of power from the outgoing President to the newly incoming President and as such called Govindjee to the podium where Govindjee was presented with an empty bottle of Hanky Bannister and a colorful garment which the outgoing President had worn while engaged in an unusual photobiological activity.

As the Membership welcomed Govindjee in his assumption of the Presidency, he expressed his appreciation to the Membership for electing him to office and then thanked Seliger for his superb leadership over the last year and presented him with a plaque on behalf of the Society which expressed the Society's appreciation to Seliger for his work.

Govindjee also expressed his appreciation to the Symposia Chairman, Symposia speakers, Session Leaders, as well as all of the participants in the meeting.

MINUTES Annual Editorial Board Meeting, Photochemistry and Photobiology
Williamsburg, Virginia, 14 June 1981 Pill-Soon Song, Editor

I. Attendance

A dinner meeting of the Editorial Board was held at the Magruder Inn, Williamsburg. The following members were present: Drs. M.L. Applebury, T. Ito, C.D. Lytle, M.M. Mathews-Roth, W. Nultsch, T.G. Truscott and P.-S. Song. The Publication Committee members present were Drs. B. Diehn, N.I. Krinsky, A.A. Lamola and J. Parrish. Dr. J. Jagger was an invited guest.

II. Approval of the 1980 Minutes

The minutes of the 1980 Editorial Board meeting were approved without any changes.

III. Annual Report

The 1980 Annual Report was distributed to each member. Song recapitulated the highlights from the report, expressing optimism that the publication time will continue to improve. An error on page 3 corrected to read 55% acceptance rate (instead of 56%).

IV. Editorial Procedures

Song re-emphasized the need for sending manuscript monthly logs and the Referees' names on time in order to avoid any editorial delays. Lamola commented that he felt more careful evaluation should be exercised to avoid publication of marginal manuscripts.

V. Terminology and Units in Radiometry

Parrish reported the results of the survey made of Editorial Board and Publication Committee members concerning terminology and units in radiometry. A consensus recommendation was adopted and a revised "Notes for Authors" form will be prepared as soon as possible. Lamola mentioned the impending IUPAC Committee meeting later this year which is expected to issue a set of acceptable terms and units.

VI. Reference Section in the Journal

Several members present, in particular, Lamola, Jagger and Smith (in writing), favored the listing of the article title for each reference cited. Song responded that he would look into the matter with the Pergamon staff as soon as possible. (Song has sent a questionnaire to all members regarding this point after receiving a written response from Pergamon. We have not yet received the results of the questionnaire.) It was agreed that the listing of article titles is not necessary for Review Articles and Yearly Reviews.

Smith (in writing) suggested that we print the Reference Section in two columns in order to save page space. (Song has subsequently received a response from Pergamon confirming that this will save page space and will be instituted beginning in 1982.)

VII. Photosynthesis Papers

It was mentioned that the number of photosynthesis papers has been declining in recent issues of the Journal. Song mentioned that some of the photosynthesis papers we should have received may have been submitted to Photobiochemistry and Photobiophysics in view of the editorial emphasis of that journal. It was recommended that we solicit more high quality photosynthesis manuscripts in the future.

VIII. Editorials by an Associate Editor

Nultsch asked if an Associate Editor could submit an editorial to the Journal. The members present agreed that such an editorial by an Associate Editor is acceptable. If the editorial is concerned with editorial policy matters, then it should be circulated to the Publication Committee members for review.

IX. Other Matters

Song mentioned that accepted manuscripts with general interests will be previewed in BioScience periodically. He requested that the Associate Editors identify accepted manuscripts they feel worthy of preview in BioScience.

It was agreed that an additional Associate Editor in Bioluminescence is desirable. Song will search for a qualified person in 1982.

Song reported the results of the questionnaire on the printing of category headings on the outside back cover of the Journal, i.e., the Table of Contents section. Nine members were in favor and seven were not. It does not seem to be desirable to print the category headings at the present time.

Song reported that the 1982 Editorial Board meeting will be held on Cheju Island in Korea in connection with an International Workshop in Photobiology.

The Editorial Board meeting adjourned at 8:00 p.m.

Summary of Symposium on Photochemical and Photobiological Solar Energy Capture June 15, 1981 Paul A. Loach

The focus of the symposium was on the chemistry of photo-induced electron transfer reactions in homogeneous and heterogeneous solutions and in organized assemblies. Dr. Mark S. Wrighton of MIT provided an overview of photoelectrochemistry with emphasis on photoelectrode surface modification as a technique to improve efficiency and durability of the systems. He reviewed liquid junction devices which utilized n-type semiconductor electrode material such as strontium titanate, CdS, or Si. The latter electrodes could be protected from breakdown by anchoring an appropriate ferrocene derivative to the surface and thus protecting the electrode for 30 hours or more. p-type semiconductors such as InP were also discussed.

Two of the participants addressed reactions stabilized by organized media such as micellar systems. Dr. David Whitten of the University of North Carolina specifically addressed the question of micelle structure by utilizing probe molecules such as methyl viologen and photochemically active compounds such as ruthenium complexed with a lipophilic lipyrityl. From his results, an open structure was suggested for the micelle where the polar head groups are unable to cover all the hydrophobic regions of the micelle. Also studied were functionalized surfactants such as a fatty acid containing a stilbene residue at its apolar end. Evidence for formation of a ground state complex with methyl viologen was given. Dr. J. Kerry Thomas of Notre Dame University utilized micellar systems, which contained pyrene aldehyde as a sensitizer, with an amine acceptor such as dimethyl aniline. From his studies it was concluded that efficient electron transfer and subsequent charge separation only occurs when the reactants were located on strongly charged surfaces where the reactants could move relatively freely while still remaining bound to the surface.

The potential for utilizing biological systems for photoproduction of hydrogen and oxygen from water was discussed by Dr. Alvin I. Krasna of Columbia University. Most strategy involves getting rid of oxygen and collecting the hydrogen. Properties of hydrogenase and a system utilizing myoglobin to absorb oxygen were described.

CONGRESSIONAL FELLOW:

Dr. Harlee Strauss formerly of the Biology Department of M.I.T. has been selected as the Congressional Science Fellow representing the American Society for Photobiology and the Biophysical Society. Dr. Strauss will begin her tenure on September 2nd. She will report to us shortly about her initial experiences in the CSF program.

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