



NEWSLETTER

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ASP - Newsletter



President, John Jagger
ASP 1983 - 1984

John Jagger, 11th President of the American Society for Photobiology, has followed a career as varied and interdisciplinary as the science he now represents. After high school graduation in New Haven, Connecticut, he studied aeronautical engineering at the Curtiss-Wright Technical Institute, Glendale, California, obtaining his certificate in 1943. He spent the next two years in aircraft design, first for Chance-Vought in Stamford, Connecticut, and then for Fairchild in New York City. Having worked this much to get airplanes off the ground, he then set out to bring them down again, by designing 40 mm anti-aircraft guns for the Schirgun Corporation in New York.

At the end of World War II he shifted his career direction, and entered Yale University to study physics, graduating with a B.S. in 1949. His employment as a Physics Assistant with Memorial Hospital, New York (now part of the Memorial-Sloan Kettering Cancer Center) brought him into contact with radiation biology, and he returned to Yale in 1951 for a Ph.D. in Biophysics. From 1954-1956 he was a Post-Doctoral Fellow of the National Foundation for Infantile Paralysis at the Institut du Radium in Paris, and subsequently joined the Biology Division of the Oak Ridge National Laboratory in Tennessee.

In 1965 he came to the faculty of the privately endowed Southwest Center for Advanced Studies in Dallas, Texas, which became The University of Texas at Dallas in 1969. In 1969 he founded and served as first President of the South Central Photobiology Group (which continued until 1977, when the growing American Society for Photobiology made it superfluous). He served as consultant to the Division of Nuclear Medicine, Walter Reed Army Institute of Research (1965-70) and to the NASA Apollo Programs (1971-72). He was a member of the Board of Editors of Radiation Research (1970-73), a member of the Advisory Board of the Academic Press Photophysiology series, and was first an Associate Editor and then Editor (1972-75) of Photochemistry and Photobiology. From 1975-77 he was Program Head (i.e., Department Chairmand) of Biology at his University. In this period he was also a member of the U. S. National Committee of Photobiology (1975-80, President 1978-80) and a councilor of the ASP (1976-79). More recently he has been a member of the Editorial Board of Grants Magazine (1978-81), a Visiting Professor at the University of Kyoto, Japan (2 months in 1979), and a member of the National Research Council Committee on Biological Effects of Increased Solar Ultraviolet Radiation (1981).

He has made numerous contributions to understanding the effects of ultraviolet radiation on cells through work involving both vacuum and near UV, and UV microbeam studies. His primary interest, however, has been sublethal actions of near UV on bacteria, such as growth delay and photoprotection, in which he and his co-workers have made important contributions to the understanding of basic mechanisms. He is author of over 60 scientific publications, plus a widely used book Introduction to Research in Ultraviolet Photobiology (Prentice-Hall, 1967), and has just completed a second book Actions of Solar-Ultraviolet Radiation on Cells which will be published later in the year by Marcel Dekker.

In 1981 he transferred affiliation from his University's Biology Programs to its School of General Studies, where he now pursues wider-ranging scholarly interests, and continues his teaching and writing. He swims most of the year in his own outdoor pool, and enjoys scuba diving, and flying -- for which he has held a pilot's license since 1967. Anything which he has not yet tried is always at some risk of being undertaken.

Positions Open

Postdoctoral Position. University of California at Davis. Available beginning September 1983. Structural and biophysical studies on phytochrome and related chromoproteins. Strong physical chemical or biochemical background particularly with plant systems is desired. Initial appointment is for one year at a salary of \$13,000-\$16,000 depending on qualifications. Candidates should send curriculum vitae and names, addresses and telephone numbers of three references to Dr. J. Clark Lagarias, Department of Biochemistry and Biophysics, University of California, Davis, California 95616. Telephone (916)752-1865.

Research Associate in Fluorescence Spectroscopy; Instrument Development. Position available for a person experienced with lasers, high frequency electronics and electro and/or acousto-optics. Research will involve the construction and utilization of a new fluorescence instrument. Applicants should have an interest in the dynamics of macromolecules, biophysics and fluorescence spectroscopy. Send vita, reprints, and three letters of recommendation to Prof. Joseph R. Lakowicz, University of Maryland School of Medicine, Dept. of Biological Chemistry, 660 W. Redwood St., Baltimore, Maryland 21201. An equal opportunity/affirmative action employer.

Research Biochemist, assistant or associate professor. Experience in photobiology or pigment biochemistry. Full-time VA position to work on gall-stone research. Contact: K. G. Tolman, M.D., Chairman, Division of Gastroenterology, University of Utah Medical Center, Salt Lake City, Utah 84132.

NEW BOOKS

"The Effect of Ultraviolet Radiation on the Immune System" edited by John A. Parrish, M.D. A compilation of recent developments expressed by leaders in this field at the First International Round Table on PHOTOIMMUNOLOGY. The Round Table was attended by twenty-seven leading academic and clinical professionals. This book offers their published presentations and discussions which represent the largest single body of up-to-date information available to medical practitioners. The volume of information shared at this meeting confirmed the potential for light to be a helpful tool to study and manipulate the immune system. It further confirmed that not only are the effects of photons on molecules and cells of the immune system interesting; they probably have very specific uses. There is certainly early evidence that some of the effects are specific and controllable. The presentations and discussions provided strong corroboration that systemic immunologic alterations occur after local exposure of the skin to ultraviolet radiation. To order contact Johnson & Johnson, Skillman, NJ 08558. \$31.50.

"Biological Events Probed By Ultrafast Laser Spectroscopy" edited by R. R. Alfano. This work reviews current research on various aspects of ultrafast phenomena in biology. The emphasis is on primary biological phenomena on picosecond and nanosecond time scales using the new technology of picosecond laser spectroscopy. The book provides readers with a complete overview of all the important breakthroughs and developments in understanding primary events in biology over the past ten years. It covers fundamental principles, surveys current research results, and discusses expert thinking in the areas of photosynthesis, vision, hemoglobin, and DNA. Picosecond and subpicosecond pulse generation and measurement techniques are reviewed in detail. It will be of interest to researchers in biology, biophysics, medical physics, chemical physics, and laser physics. To order contact Academic Press, Inc., 111 Fifth Avenue, New York, NY 10003. \$59.00.

Readers Needed. Recording for the Blind, Inc. urgently needs people with knowledge in the following fields: Biology, Chemistry, Medicine, or Physics to help record textbooks for visually, physically, and learning disabled students. If you have 2 hours a week to spare - evening, daytime or Saturday - please contact us (213)664-5525 and help the disabled make careers for themselves. Recording for the Blind, Inc., Free Taped Educational Books for the Print-Handicapped, 5022 Hollywood Blvd., Los Angeles, CA 90027.



The American Society for Photobiology is considering extending financial assistance -- probably in the form of a dues adjustment -- to full members who may have difficulty paying their annual dues. This is being considered specifically for those members who are unemployed and foreign members who are now facing currency control regulations.

In order for us to gauge the extent of assistance needed by the membership, we ask those of you who may require such assistance to return this questionnaire to:

AMERICAN SOCIETY FOR PHOTOBIOLOGY
4720 Montgomery Lane
Suite 506
Bethesda, Maryland 20814

THERE IS NO NEED TO IDENTIFY YOURSELF AT THIS TIME

Are you a FULL member of ASP? Yes [] No []

Are you currently unemployed? Yes [] No []

Are you a FOREIGN member facing currency control regulations in your country? Yes [] No []

If you answered yes to the last question, please indicate your country: _____

Other comments? _____

PLEASE RETURN THIS FORM BY 30 SEPTEMBER 1983 SO THAT WE CAN HAVE REALISTIC STATISTICS TO REPORT TO THE COUNCIL AT THEIR FALL MEETING.

REALISTIC STATISTICS ARE NECESSARY IN ORDER FOR THE COUNCIL TO DECIDE EXACTLY WHAT ACTION TO TAKE.

IMPORTANT: *If you are either unemployed or a foreign member facing currency control regulations in your country it is EXTREMELY IMPORTANT that you respond to this questionnaire. We MUST know the extent of need for this type of assistance in order to properly budget an appropriate amount.*

AFTER COMPLETING THIS FORM, PLEASE FOLD IN THIRDS, STAPLE AND AFFIX POSTAGE. THIS FORM IS A SELF-MAILER.

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Meetings

1983

Sept. 7-9 Light and the Flowering Process. An International Symposium organised by the British Photobiology Society to be held at the Glasshouse Crops Research Institute, Littlehampton, Sussex, U.K.

The Symposium will give comprehensive consideration to the ways in which the flowering process in higher plants is affected by light. Speakers include: - G. Bernier, M. Bodson, C. F. Cleland, K. E. Cockshull, G. F. Deitzer, D. J. C. Friend, A. H. Halevy, J-M. Kinet, R. W. King, C. N. Law, R. F. Lyndon, D. Morgan, K. Napp-Zinn, R. M. Sachs, E. Schafer, W. W. Schwabe, A. Takimoto, B. Thomas, D. Vince-Prue, and J. A. D. Zeevaart.

Registration forms and further details from: Dr. D. Vince-Prue, Glasshouse Crops Research Institute, Worthing Road, Littlehampton, West Sussex, BN16 3PU, U.K.

Oct. 17-21 Photovoltaic Solar Energy Conference, Apollon Palace Hotel, Kavouri Bay, Athens, Greece.

For further information contact: Mr. G. Magnabosco, Horeco, Av. de la Toison d'Or, 23, 1060 Bruxelles. Tel. (02)5123495, Telex 24236 Horeco B.

1984

Jan. 4-7 Singlet Oxygen Conference. Clearwater Beach, Florida.

For further information contact: Brian Stevens, Department of Chemistry, University of South Florida, Tampa, Florida 33620.

Aug. 26-31 Fifth International Conference on Photochemical Conversion and Storage of Solar Energy, Osaka, Japan.

Tentative List of Topics:

- Photochemical synthesis of high energy materials.
- Photochemical redox reactions in homogeneous solution.
- Quantum harvesting and energy transfer.
- Mechanism and simulation of photosynthesis.
- Photochemical conversion in organized assemblies.
- Synthesis and water splitting by means of photocatalysts including colloidal systems.
- Photoelectrolysis at semiconductor electrodes.
- Electrochemical photovoltaic cells.
- Photogalvanic cells.
- Chemical aspects of solid photovoltaic cells.
- Luminescent solar collectors.
- Solar energy technologies: Overview and chemical aspects.

For further information please contact the chairman: Professor Hiroshi Tsubomura, Laboratory for Chemical Conversion of Solar Energy, Faculty of Engineering Science, Osaka University, Toyonaka, Osaka 560, Japan. Telephone: 06-844-1151.

U.S. National Organizing Committee for the 7th
International Congress on Photosynthesis

ARNTZEN, C.J., Michigan State University 517-353-2270
BIGGINS, J., Brown University (Chairman) 401-863-2540
BISHOP, N.I., Oregon State University 503-754-4044
BOGORAD, L., Harvard University 617-495-4292
CHRISTY, L.A., Monsanto Company 314-694-4644
CROFTS, A.R., University of Illinois 217-333-7407
DUTTON, L., University of Pennsylvania 215-898-8699
GIBBS, M., Brandeis University 617-647-2741
HIND, G., Brookhaven National Laboratory 516-282-3400
JAGENDORF, A.T., Cornell University 607-256-4489 (2073)
MCCARTY, R.E., Cornell University 607-256-2203
ROMANOFF, E., Shrewsbury, Mass.
SAUER, K., University of California, Berkeley 415-486-4334
ZELITCH, I., Connecticut Agricultural Station 203-789-7218

This congress will be held in August 1986 at Brown University in Providence, Rhode Island, 02912.
Contact Dr. John Biggins for further information.

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