



NEWSLETTER

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Medical Center, 39th and Rainbow Boulevard, Kansas City, KS Tel: (913) 588-7416

• • • • No. 112 Dec/Jan 1987-88 • • • •

ELECTIONS ISSUE

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Presidential Nominees

THOMAS P. COOHILL

Department of Biophysics
Western Kentucky University
Bowling Green, KY

B.S. Physics University of Toronto 1962
M.S. Physics University of Toledo 1964
Ph.D. Biophysics Pennsylvania State University 1968

Research Interests:

UV photobiology of mammalian cells and viruses
Absorption properties and deleterious effects

ASP Offices:

Councilor, 1982-86

ASP Committees:

Publications, 1983-87
Chairman, 1985-86
Education, 1982-85
Nominating, 1984-87
Public Relations, 1983-87

ASP Activities:

Newsletter Editor, 1982-86

Other Service:

Chair, Physiology and Biophysics Section, Kentucky
Academy of Science, 1976-77

Academic Honors:

Outstanding Researcher, Western Kentucky University,
1976
Outstanding Teacher, Ogden College of Science, 1980
Award for General Excellence, Western Kentucky
University, 1986

Other Pertinent Information:

1986-87 Sabbatical at Caltech/Jet Propulsion Lab, Effects
of UV and "Cosmic Rays" on Nematodes. The
preparation for 1991 Space Shuttle Mission.

JOHN EPSTEIN

Department of Dermatology
University of California
San Francisco, CA

B.A. University of California, Berkeley
M.D. University of California, San Francisco
Intern Stanford University School of Medicine
Resident Mayo Clinic (3 years)
M.S. University of Minnesota

Research Interests:

Photocarcinogenesis
Cutaneous photobiology Medical photobiology

ASP Offices: Council member, 1983-1986

ASP Committees: Chair, Public Relations, 1983-1986
Nominating, 1984 Publications, 1983-1986

ASP Activities: none

Other Service:

Board of Directors 1974-84, Vice Pres. 1980-81, Pres.
1981-82, American Board of Dermatology
President 1981-82, American Academy of Dermatology
Vice Pres. 1979-80, Soc. of Investigative Dermatology
President 1985-86, Pacific Dermatological Association
President 1963-64, San Francisco Dermatological Soc.

Academic Honors:

Phi Beta Kappa
Commander's Award for Public Service, Letterman
Army Medical Center, consultant services, Apr, '62 - Jun '86.
Gold Award '69 & Silver Award '62, Exhibits for Inves-
tigative Merit, Amer. Acad. Dermatol. Annual Meetings.

Other Pertinent Information:

Chief Editor, Archives of Dermatology 1973-78
Assist. Editor, J. Amer. Acad. Dermatol. 1978-present
Editorial Board, Western J. of Medicine 1979-present
Editorial Board, Photodermatology, 1983-present
Edit. Brd., Photobiochem. & Photobiophys., '85-present
Author of 205 scientific published papers

JOHN HEARSTDepartment of Chemistry
University of California, BerkeleyB.E. Yale University 1957
Ph.D. California Institute of Technology 1961Research Interests: Psoralen photochemistry
Structure of photosynthetic membranes
DNA hybridization RNA structure

ASP Offices: none ASP Committees: none

ASP Activities:

Plenary lecture, Colorado Springs, 3/13/88
Organized symposium, Nucleic Acid-Protein Dynamics,
Los Angeles, 6/23/86
Plenary lecture, Philadelphia, 7/3/84
School lecture, Asilomar, 6/25/79

Other Service:

ACS-Chair, Search committee for editor of new journal,
Chemical Research in Toxicology
Acting Assoc. Director - Lawrence Berkeley Laboratory

Academic Honors:

John Simon Guggenheim Fellowship, 1968-69
Visiting Professor, Caltech, 1968-69
Miller Research Professor, 1970-71
Europ. Molec. Biol. Organ. Senior Fellowship, 1973-74
Visiting Prof., Universite Libre de Bruxelles, 1973-74
NSF Science Professional Develop. Award, 1977-78
Visiting Professor, U.C. San Francisco, 1977-78Other Pertinent Information: none
.....**ANTONY MCDONAGH**Department of Medicine
University of California, San FranciscoRoyal College of Advanced Technology 1959-1962
Ph.D. Chemistry 1962-1967

Research Interests:

Phototherapy and photochemotherapy
Organic photochemistry and stereochemistry
Bile pigment metabolism
Liver metabolismASP Offices: none ASP Committees: none
ASP Activities: none Other Service: none

Academic Honors:

Graduate member Royal Institute of Chemistry, 1962
Elected to membership in The Perinatal Research Society,
1985

Other Pertinent Information:

Member of The Royal Society of Chemistry, The American Chemical Society, The New York Academy of Sciences, The Biochemical Society, The Perinatal Research Society, The European Society for Photobiology, and a charter member of ASP

DANIEL HUGInternal Medicine
University of Iowa and VAMCB.S. Bacteriology Iowa State University
Ph.D. Bacterial Physiology Iowa State University

Research Interests:

Photoactivation of enzymes
Biochemically-generated excited states

ASP Offices: none

ASP Committees: none

ASP Activities:

Co-organized a symposium at the 9th International
Congress and ASP Meeting at Philadelphia, 1984.

Other Service: none

Academic Honors: Phi Kappa Phi
Sigma Xi

Other Pertinent Information:

Charter member of ASP and ESP
Attended and presented research results at 12 of 15 ASP
meetings and both ESP meetings
Scientific Consultant for 10th Internat. Congress, 1988
Wrote 4 review articles on photobiology
Organized symposium, Photoactivation of Enzymes,
University of Chicago, 1983
Post-doctoral studies, Chemistry, U. Illinois
.....**JOHN POOLER**Department of Physiology
Emory UniversityB.A. Physics Brown University
Ph.D. Physiology Duke University

Research Interests:

Photosensitization of membranes

ASP Offices: none

ASP Committees:

Membership, 1987-present

ASP Activities:

Co-organizer, symposium on Photosensitization in
Membranes, 1980 ASP Meeting.

Other Service:

Secretary-Treasurer, subgroup on Photochemistry and
Photobiology of the Biophysical Society, 1976-
1978.

Other Pertinent Information:

Charter member of ASP

Nominees

ELECTIONS ISSUE

MARGARET KRIPKE

Department of Immunology
Univ. of Texas & M.D. Anderson Hosp. & Tumor Inst.

A.B. Bacteriology U. Calif., Berkeley 1965
M.A. Bacteriology U. Calif., Berkeley 1967
Ph.D. Immunology U. Calif., Berkeley 1970

Research Interests: Photoimmunol. Photocarcinogen.
Effects of ozone depletion

ASP Offices: none ASP Committees: none

ASP Activities: none

Other Service:

Amer. Assoc. Cancer Res., Planning Com. 1984-6,
Program Com. 1984&6, Board of Directors, 1986-9
Reticuloendothelial Soc., Board of Councilors, 1985-9

Academic Honors:

Edna Roe Mem. Lecture, VIII Photobiol. Congr., 1980
Lila Gruber Award for Cancer Research, American
Academy of Dermatology, 1984
Pharma-Medica Lecture, Danish Dermatol. Soc., 1987
Vivian Smith Chair in Immunol., 1983-present

Other Pertinent Information:

Chair, Subcom. on Stratospheric Ozone Depl., 1986-
Member, EPA Scientific Advisory Board, 1987-
NIH Cancer Research Manpower Rev. Com., 1985-8
American Cancer Society Review Com., Immunology
& Immunotherapy, 1985-9, Chair 1988-9

ROY POTTIER

Department of Chemistry and Chemical Engineering
The Royal Military College of Canada

B.Sc. Science Universite de Moncton
Ph.D. Chemistry University of New Brunswick

Research interests:

Photophysics and photochemistry of bioactive molecules
Photosensitization

ASP Offices: none

ASP Committees:

Education, 1987-present

ASP Activities: none

Other Service:

Division representative on Science Program Committee
[Medical Chemistry Division] - 68 Chemical
Institute of Canada Conference, Kingston, 1985.

Local Organizer of NATO Advanced Study Institute
School on Photosensitization: Molecular, Cellular
and Medical Aspects, Kingston, 1987.

Other Pertinent Information:

Member, European Society for Photobiology
Chartered Chemist

KENNETH KRAEMER

Laboratory of Molecular Carcinogenesis
National Cancer Institute

Sc.B. Biology Brown University
M.D. Tufts University School of Medicine

Research Interests:

Cancer-prone human genetic diseases - especially
xeroderma pigmentosum and familial melanoma
DNA repair UV mutagenesis

ASP Offices: none

ASP Committees: none

ASP Activities: none

Other Service:

Workshop chair, Society for Investigative Dermatology
Member Photobiol. Task Force, Chair Xeroderma
Pigmentosum Task Force, Amer. Acad. of Dermatol.

Academic Honors:

Alpha Omega Alpha, 1969, Tufts Medical School
American Society for Clinical Investigation, 1987

Other Pertinent Information:

Medical Resident, 1970-71, Harlem Hospital
Clinical Associate, 1971-74, Dermatology Branch, NCI
Resident in Dermatol., 1974-76, U. Miami Med. School
Diplomate, American Board of Internal Medicine, 1973
Diplomate, American Board of Dermatology, 1976

MICHAEL WASIELEWSKI

Chemistry Division
Argonne National Lab

B.S. 1971 University of Chicago
M.S. 1972 University of Chicago
Ph.D. 1975 University of Chicago

Research Interests:

Photochemistry of porphyrins, chlorophyll and electron
transfer reactions
Protein biophysics in photosynthesis
Radical ion pairs
Ultrafast optical and magnetic resonance techniques

ASP Offices: none

ASP Committees: none

ASP Activities: none

Other Service:

Symposium organizer - Biophysical Society and
American Chemical Society

Academic Honors:

Norton Prize (Univ. of Chicago) 1975 for excellence in
research

Other Pertinent Information: none

THE GUIDING LIGHT
From the President's Desk

Dear members,

The ASP Council meets three times each year, twice at the Annual Meeting and once in the fall. At the Council Meeting in November 1987 several actions were taken that may be of special interest. The Council has approved a change of the Student Member annual dues from the prior \$5 without the journal and \$15 with the journal to \$10 with the journal. This action will require approval by the membership at the Business Meeting in Colorado Springs. However for 1988 only, the Student Member dues are \$5 with the journal. Several initiatives were undertaken with respect to non-member attendees at the Annual Meetings. Invited lecturers and symposium chairs who are not ASP members will be offered one-year complimentary memberships for the year of the meeting. In addition other non-member participants will be invited to submit membership applications, with a waiver of the first year dues upon acceptance. The purpose of these actions is to attract to membership in ASP those scientists who demonstrate their interest in photobiology by participating in the Annual Meetings.

Approximately five years ago Dr. Kendrick C. Smith prepared a history of the first ten years of the ASP that was published in Photochemistry and Photobiology. In order to maintain this momentum the position of ASP Historian was established. Dr. John Jagger agreed to serve the first five year term as Historian, which led to our arrangement with the Archival Center for Radiation Studies at the University of Tennessee, described elsewhere in this issue (see Society Highlights). Dr. Jagger's term ends in March 1988, at which time Dr. Farrington Daniels, Jr. has agreed to accept the position. In behalf of the ASP I should like to express our appreciation to Dr. Jagger for his highly successful efforts and my personal pleasure that Dr. Daniels has agreed to accept this important post. Incidentally, Dr. Daniels describes himself as "a compulsive photographer and tape recorder" and we may well observe him in action at future Annual Meetings.

— Len Grossweiner

SOCIETY HIGHLIGHTS

Photobiology Archives

The 42nd Council of the ASP, meeting in Bal Harbour FL last June, formally accepted the University of Tennessee proposal to have a photobiology Archives as part of their Archival Center for Radiation Studies.

These archives presently contain collections from people like Douglas E. Lea, L.H. Gray, Alexander Hollaender, and Raymond Latarjet. They include such things as letters, lab notebooks, photos, and information on prizes and awards.

An Archives Committee, consisting of the ASP Historian as chairperson (J. Jagger until March 1988), a past-president (Walter Shropshire until March 1988), and one permanent member (Kendric Smith), has been established to supervise contributions to the Archives.

This committee is now requesting members of ASP who feel they have materials of interest to the archives to send these to:

James B. Lloyd
Special Collections Librarian
Main Library
The University of Tennessee
Knoxville, TN 37996-1000

Contributors will have to pay the postage for materials they submit.

Those who feel they may have items of historical interest, regarding either their scientific research or their activities as members or officers of ASP are urged to consider contributing these materials. The committee will try to help in decisions on appropriate items.

— John Jagger, ASP Historian

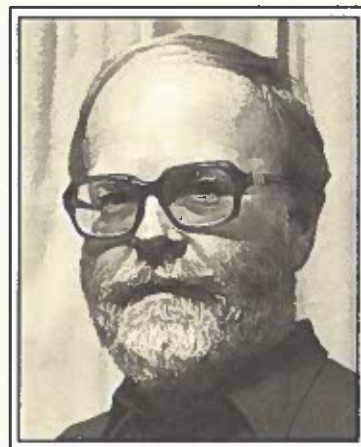
FOCUS ON:

Michael A.J. Rodgers

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Michael A.J. Rodgers, whose term as ASP Councilor started in June, is a graduate of the Royal Institute of Chemistry (now the Royal Chemical Society), later obtaining his M.Sc. and Ph.D. degrees from the University of Manchester. He carried out postdoctoral research at the University of California at Berkeley (1966-68) and was a faculty member in the Department of Chemistry at the University of Manchester until 1976. Since that time Mike has been at the Center for Fast Kinetics Research at the University of Texas at Austin. He became director in 1986. In early 1988 he will move to Bowling Green State University at Bowling Green, Ohio where he will be the Ohio Board of Regents Eminent Scholar and Professor of Chemistry. In particular he will be associated with the Center for Photochemical Sciences at BGSU.

Mike's research interests center around the development of kinetic tech-



niques with high time resolution and their applications to areas such as singlet oxygen dynamics, electron transfer at interfacial sites, photodynamic mechanisms and photoredox reactions in microheterogeneous media. His particular focus in these areas involves biological milieu and representative models of such.

PROFESSOR OF MOLECULAR BIOPHYSICS

To direct basic and applied research in photobiology and laser medicine within the Wellman Laboratories of Photomedicine, a large multidisciplinary research group.

Proven skills and demonstrated creativity in biophysics, optical radiation biology, laser biology, and either chemical physics, physical chemistry, or photochemistry.

Interested candidates, please send *curriculum vitae* to:

John Parrish, M.D, Chairman
 Department of Dermatology
 Harvard Medical School
 Massachusetts General Hospital
 32 Fruit Street
 Boston, MA 02114
 Tel.: (617)-726-3995

ASSISTANT PROFESSOR—PHYSICS & ASTRONOMY

The Department of Physics and Astronomy of Western Kentucky University invites applications for a tenure-track position at the Assistant Professor level beginning 15 Aug 1988. Applicants must have a Ph.D., be committed to excellence in teaching undergraduate physics courses, and be prepared to develop an active research program in which students can be involved. Current areas of research in the department are astrophysics, biophysics, nuclear physics, optical physics, physics pedagogy, radiological physics, and surface physics. Some start-up funds for research are available. Review of completed applications will commence 8 Jan 1988. The position will remain open until filled. Interested persons should send a *curriculum vita* (including publications and external grants awarded), a statement of research interests, and the names of at least three references to:

Office of Academic Affairs
 Physics and Astronomy Search
 Western Kentucky University
 Bowling Green, KY 42101

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International Photobiology Congress

The Tenth International Congress on Photobiology will be held in Jerusalem, Israel, 30 Oct through 6 Nov, 1988. The Congress announcement and call for papers have been forwarded to the members of the Society.

The Society has appointed Chevy Chase Travel as the official ASP travel agent for the Israel Congress. Information will be sent to you shortly on the arrangements which have been made both for hotels and air travel. Overall coordination is by KENES Tours.

POSTDOCTORAL OR STAFF FELLOWSHIP

Project: Photobiology/photochemistry associated with ongoing work on inactivation of viruses in blood products, especially the cellular components (see Blood 70: 589, 1987). Work will encompass photochemistry of RNA/DNA, testing of photodynamic activators, elucidation of photodynamic lesions in proteins and cells. Facilities in place for cell testing and viral assay.

Recruiting unit: Center for Biologics Evaluation and Research, FDA (laboratories located on the NIH campus in Bethesda, MD).

Contact: Dr. Joseph C. Fratantoni
 8800 Rockville Pike
 NIH Building 29, Room 321
 Bethesda, MD 20892
 Tel.: (301)-496-2577

POSTDOCTORAL RESEARCH ASSOCIATE

A position is available immediately to localize proteins of photosystem I and II in red algae and cyanobacteria. Experience in electron microscopy is required, and knowledge of immunochemical techniques and plant cell ultrastructure are highly desirable. The individual will participate in a multifaceted study on photoregulation as reflected in the photosynthetic apparatus.

Salary is ca. \$20,000 per year plus benefits. Appointment is for 1 - 2 years, depending on performance.

Send *curriculum vitae* and three letters of reference to:

Dr. Elisabeth Gantt
 Department of Botany
 University of Maryland
 College Park, MD 20742
 Tel.: (301)-454-3823

WORKS-IN-PROGRESS

Any person wishing to make a poster presentation of works-in-progress (WIP) is invited to do so. Members may present or sponsor a WIP presentation even if they are presenting or sponsoring a regular proffered paper. Non-members may present a WIP even if they are presenting a regular proffered paper; however, like the regular proffered paper the WIP presentation must be sponsored by a member of the Society. No abstract is required. Please send the title along with author information, affiliation, and current address to ASP, 8000 Westpark Drive, Suite 400, McLean, VA 22102. The deadline is February 15, 1987.

CALENDAR OF EVENTS

1988

Jan 10-17 SPIE Symp. : Medical Applications of Lasers, Fiber Optics, & Electro-Optics - Los Angeles, CA [111]

Feb 1-4 2nd Latin-American Meeting on Photochemistry and Photobiology - Sao Paulo, Brazil [110]

Feb 5 Ballots due to Secretariat

Feb 22-26 Pittsburgh Conference - New Orleans, LA [111]

Feb 28-Mar 3 1988 Biophysical Society Meeting - Phoenix, AZ

Mar 2-5 Free-Electron Laser Applications in the UV - Cloudcroft, NM [111]

Mar 13-18 16th A S P Annual Meeting - Colorado Springs, CO [111]

May 1-6 FASEB Meeting - Las Vegas, NV

May 19-20 Laser Bronchoscopy Update: Latest Techniques and Equipment - Marseille, France [111]

Jul 17-23 XIIth IUPAC Symposium on Photochemistry - Bologna, Italy

Aug 7-11 Illuminating Engineering Society of North America Annual Meeting - Minneapolis, MN [111]

Sep 25-30 Symposium on Site-specific Photolabeling of Biomolecules - Los Angeles, CA

Oct 30-Nov 6 10th International Congress on Photobiology - Jerusalem, Israel

[] - Square brackets denote the Newsletter issue in which additional information may be found.

FYM *

Progress in computer science has been truly phenomenal. Forty years ago the most sophisticated computer filled six rooms with vacuum tubes, and only 5 people in the world knew how to operate it. Today for under \$100 anyone can buy an equally powerful machine based on a tiny microchip and learn how to operate it in minutes. If progress had been comparable in air travel, we would now be able to fly around the world in 20 minutes at a cost of about 2 cents. Of course the aircraft would be only 2 inches long!

The editor, the Secretariat, and the ASP assume no responsibility concerning the veracity of this claim.

* For Your Misinformation

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AMERICAN SOCIETY FOR PHOTOBIOLOGY

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McLean, Virginia 22102

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THOMAS P COOHILL
PHYSICS DEPARTMENT
WESTERN KENTUCKY UNIVERSITY
BOWLING GREEN KY 42101