



# NEWSLETTER

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No. 53 January 1982

## Resolution: ASP Council - November 7, 1981

American academic science supported by federal funds has been extremely productive. Abuses of such funds in universities have been minimal. While agreeing with the principle of accountability for use of public monies, we believe the mechanisms of federal oversight should not interfere with the unique nature and functions of scholarly teaching and research at universities.

The requirements for faculty effort reporting embodied in the revised OMB Circular A-21, effective July 1, 1980, are an inappropriate means for academic accountability. In particular, the requirement for reporting on 100% of faculty effort, whether or not supported by federal funds, is an unwarranted intrusion into the academic process.

The required division of faculty effort into "Instruction" and "Sponsored Research" is impossible and is open to a wide range of interpretation. The cost of this extra paperwork represents a drain on scarce resources. A similar drain on another scarce resource, time, goes along with the financial burden.

The American Society of Photobiology agrees with the National Academy of Sciences' resolution that application of these new regulations "...will further constrain the already limited flexibility in research thrust, increase the administrative burden, reduce the morale among teaching and research personnel, and provide a cumbersome, meaningless documentation in terms of percentage-of-effort for a continuum of scholarly activities."

The Society also agrees with the recommendations of the National Commission on Research made in their report, Accountability: Restoring the Quality of the Partnership, especially the one which states that there should be "...a simpler and less costly method of effort reporting based on responsible self-regulation: the explicit certification by individual investigators that direct salary charges to their research agreements are reasonable and fair, coupled with the federal program officer's review of the reasonableness of these expenditures."

We therefore call for the immediate suspension of the current effort reporting provisions of the revised OMB Circular A-21 pending further revisions in line with the Commission's recommendations.

We further resolve that this resolution shall be transmitted to responsible officials of the Federal Government for appropriate action.

## ANNOUNCEMENT - Botanical Society of America - Darbaker Prize in Phycology for 1982

The Committee on the Darbaker Prize of the Botanical Society of America will accept nominations for an award to be announced at the Annual Meeting of the Society with AIBS at Pennsylvania State University in August, 1982. Under the terms of the bequest, the Award is to be made for meritorious work in the study of microscopical algae in all its facets. At present, the Award is limited to residents of North America, and only papers published in the English language will be considered. The value of the prize for 1982 is expected to be approximately \$500. The Committee will base its judgment primarily on the papers published by the nominee during the last two full calendar years, i.e., papers dated 1980 and 1981. Nominations for the 1982 Award, accompanied by a thorough statement of the merits of the case and by reprints of the publications for 1980 and 1981 supporting the candidate, must be received by April 1, 1982 by the Chairman of the Committee, Dr. G. Benjamin Bouck, Department of Biological Sciences, University of Illinois, Chicago, IL 60680. For further information write the Chairman or call him at (312) 996-5458.

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NOTE FOR AUTHORS

1. The Abstract should be at the front. The Abstract should contain no abbreviations that are not defined and no references that are not complete in the text. The Abstract may be published elsewhere and should stand by itself.
2. Tables should be typed on separate sheets of paper and should not be in the text.
3. References should conform to our style on both the reference page and in the text. References at the end of the manuscript should be listed in alphabetical order on a separate sheet and should indicate the inclusive pages, but not the article title. If there is more than one publication in the same year for the same author(s), the letters "a", "b", etc., should be added to the year. References should comply with the abbreviated title of the journal given in Chemical Abstracts (American Chemical Society). References in the text should include the last names of authors, followed by the year of publication in parentheses; the name of the first author followed by "et al." should be used for references involving more than two authors. Examples:  
In text: "the situation has been reviewed by Johnson et al. (1968)..."  
"the work of Kramer and Maute (1972) is relevant..."  
On reference page: Johnson, B. E., F. Daniel, Jr. and I. A. Magnus (1968) In Photophysiology (Edited by A. C. Giese), Vol. IV, pp. 139-202. Academic Press, New York.  
Kramer, H.E.A. and A. Maute (1972b) Photochem. Photobiol. 15, 25-32.  
References listed at the end of the article should include only papers that have been published or accepted for publication (in press). Other work should be appropriately described in parentheses in the text. Examples:  
"It is believed that light exists as quanta (A. Einstein, personal communication), and our findings agree with this (A. Jones, unpublished). We have recently discovered that electrons have a negative charge (A. Jones and B. Smith, manuscript submitted to Nature)."
4. All manuscripts should be double-spaced: one and one-half space does not leave room for editorial comments.
5. Hyphenation at the end of a line should be avoided; this is confusing to the printer.
6. Margins of at least one inch (2½ cm) should be provided on all four sides of the paper (typing that goes to the very edge of the paper may be lost upon reproduction).
7. Figures and equations are referred to as "Fig. 1" and "Eq. 1" except at the beginning of a sentence, where these words are spelled out. All figure captions must be type-written on one or more continuation sheets.
8. All temperatures in Celsius are written in the form "18°C", but the degree sign is omitted for absolute temperatures (for example "10 K"). In the SI system, "K" means degrees Kelvin. Also, note that "M" = "molar", and "mol" = "mole".
9. Abbreviations are not pluralized and are not followed by a period. Thus, one says "0.1 h" or "12 h", but "0.1 ohm" or "10 ohms".
10. We use the Systeme International (SI) of units, in which fluence and fluence rate are expressed as J/m<sup>2</sup> and W/m<sup>2</sup>, respectively, and the abbreviations for "hours, minutes, and seconds" are "h, min, and s". The Metric System is always used, and dimensions expressed in other units (because of manufacturers' specifications) should also be expressed in Metric: e.g. "a 1 inch (2.5 cm) column was used".
11. In describing radiation sources and detectors, precise models and quantified spectral information must be supplied. Radiometric, rather than or in addition to, photometric units should always be reported. Exposure conditions should be specified as to spectral fluence rate at the irradiated site and uncertainty of this measurement, estimated or measured stray radiation, and spatial uniformity of fluence rate. Authors should consult the published list (Photochem. Photobiol. 25, 237, 1977) for terminology and symbols of SI units adopted by this Journal.

\*\*\*Page charges will be \$35/page. Effective January 1, 1982.



P L E A S E P O S T

POSITIONS AVAILABLE

POST DOCTORAL FELLOW/RESEARCH ASSOCIATE - MICHIGAN STATE UNIVERSITY, Carcinogenesis Laboratory, East Lansing, MI 48824. Requirements: Ph.D. in Radiation Biology, Biophysics, Biochemistry, Microbiology, etc. Work and Duties: Mechanisms of mutagenesis and transformation by chemicals and radiation in human cells. Site specific mutagenesis in human cell. Role of repair in above processes. Available: Fall/Winter 1981-1982. Salary: \$15,400 - ? CONTACT: Dr. Justin McCormick or Dr. Veronica Maher in care of Michigan State University.

RESIDENT RESEARCH ASSOCIATESHIPS - POST DOCTORAL & SENIOR POSTDOCTORAL - ARMED FORCES RADIOBIOLOGY RESEARCH INSTITUTE, Biochemistry Department, Bethesda, MD 20814. This department is concerned with elucidation of mechanisms of damage in biological systems exposed to all types of radiation and toxic chemical agents. A major area of interest includes studies on the effects of ionizing and non-ionizing radiation and toxic chemicals on cellular components and membrane structure and function, and on the development of biologic indicators of radiation injury. For further information on 1982 awards, CONTACT: Dr. Geogre Catravas - 202-295-1337 - or Dr. Joseph Weiss - 202-295-1428.

RESEARCH ASSOCIATE (POST-DOC) - UNIVERSITY OF ARIZONA HEALTH SCIENCES CENTER, Department of Radiation Oncology, Tucson, AZ 85724. Requirements: Ph.D. in one of the biological sciences. Work and Duties: Positions available on Cancer Biology Training Grant with participating faculty from 8 different departments. Research: Work in both prokaryotic and eukaryotic systems, basic cell regulation, recombinant DNA technology, virology, radiation biology, radiation and chemical carcinogenesis, genetics and pharmacology. Available: July 1, 1981. Salary: \$13,380 NCI 1st year. CONTACT: Dr. Eugene W. Gerner.

STAFF SCIENTIST - BIOPHYSICS - LAWRENCE BERKELEY LABORATORY, Donner Laboratory, 1 Cyclotron Road, Berkeley, CA 94720. Requirements: Doctorate and an established record of creative research in the molecular mechanisms of mutation and altered gene expression. Work and Duties: Lead a research program designed to investigate the fundamental nature of mutational events in mammalian cells. Research experience in the effects of ionizing and ultraviolet radiation and chemical mutagens and carcinogens on mammalian genomes is desirable. LBL is an Affirmative Action/Equal Opportunity Employer M/F/H. Available: July 27, 1981. Salary: \$23,760 - \$54,732. CONTACT: Dr. Eleanor A. Blakely, Biophysicist Search Committee, c/o Mr. Ronald D. Lowder, at the above address.

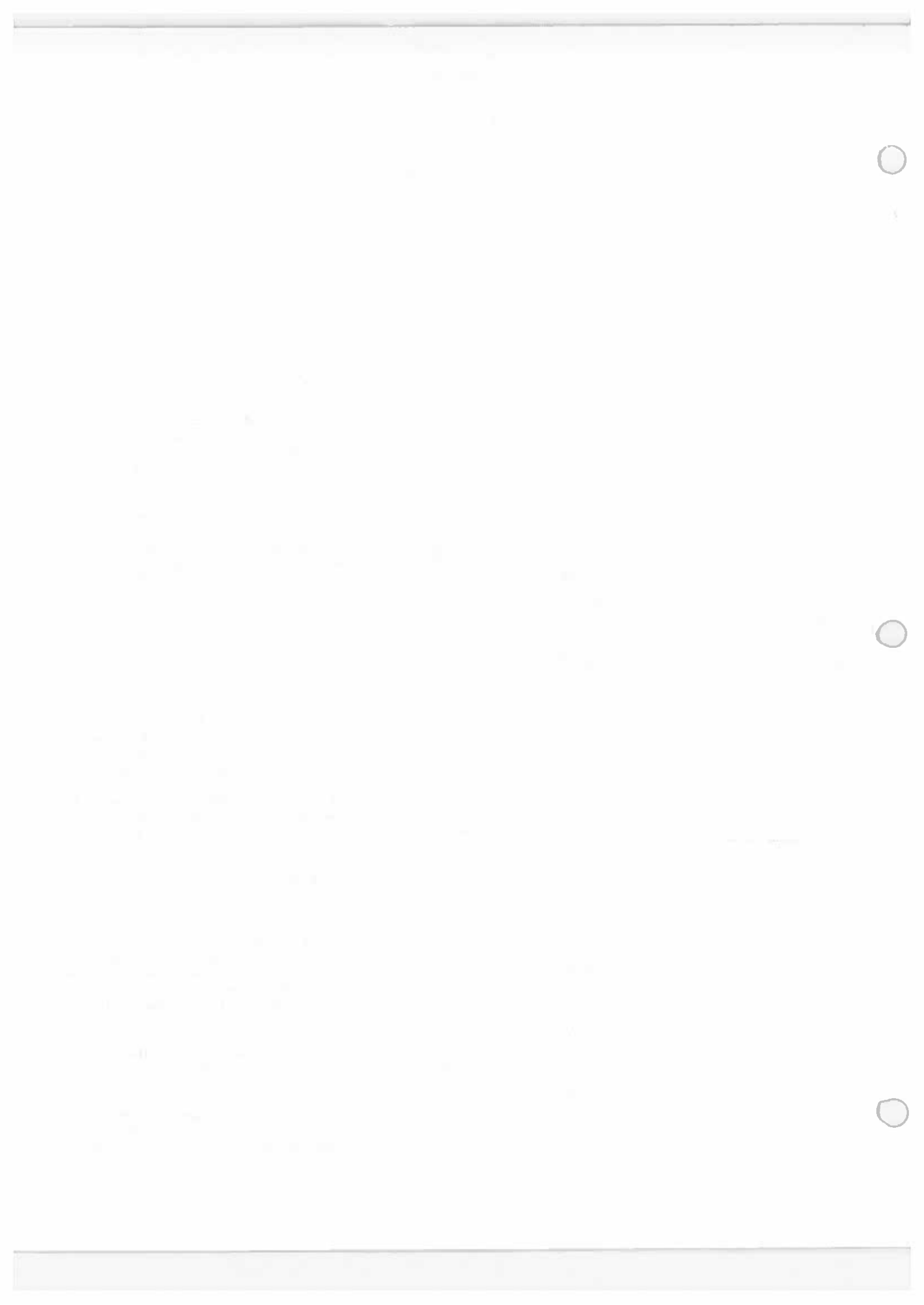
RESEARCH SCIENTIST - UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER, SAN ANTONIO, Department of Radiology, 7703 Floyd Curl Drive, San Antonio, TX 78284. Requirements: Ph.D. with expertise in sister chromatid exchange/cytogenetics/mammalian cells in culture; 1 or 2 years of post-Ph.D. experience preferred, but not required. Work & Duties: Study of microwave radiation on mammalian cell SCE; Responsible for own research effort. Available: July 1, 1981 Salary: \$20,400. Minimum 1 year appointment, with extension likely. CONTACT: Dr. Martin L. Meltz.

POSITION WANTED:

I am currently seeking an internship for this January in a botanical garden or similar institution. My most recent experience has included a two-year project at Wells College, Aurora, N.Y., which has involved an erosion study on campus, and reconditioning of the soil in the main courtyard with leaf mulch, fresh-water algae, add wood ash, and also education in plant management, landscaping, and the art of pruning. Later, I will conduct subsequent pH testing of the soil, and erosion and plant studies.

Some of my accomplishments are: caretaker of estate and grounds, Felix Calabrese, Urbana, Ohio; technician for rehabilitative work on ground and homes before sale, Landscaping Citro, Inc., West Chester Ohio; and restoration project, grounds and orchard of historic house, Anne Kyle, Springfield, Ohio.

My future plans include further studies and application of plant interaction, organic farming, pest control by pheromones, manure recycling and soil maintenance, as well as the more holistic study of Park Management and Natural Resources, eventually obtaining a position of responsibility in Land Planning. Please Contact: Karoun Cartozian, Wells College, Aurora, NY 13026. Phone: (315) 364-8025.



INTERNATIONAL WORKSHOP ON PHOTOBIOLOGY - May 26 - 29, 1982 - Jeju National University,  
Jeju (Cheju) Island, Korea

Organizer and Host

Graduate School and Research Institute for Subtropical Agriculture - Jeju National University,  
Jeju, Korea.

Organizing Committee

Hyeong-Ok Kim, Chairperson (Jeju National University)  
Tae-Young Lee, Local Coordinator (Seoul National University)  
Sang-Chul Shim, Local Coordinator (KAIST)  
Pill-Soon Song, U.S. Coordinator (Texas Tech University)  
Doo-Khil Moon, Secretariat (Jeju National University)

Objectives

This workshop is designed to review recent advances in various aspects of the science of photobiology. Invited lectures will cover both fundamental concepts and recent research results. The workshop will also include a contributed papers session, describing the most recent developments in the areas of photochemistry, photobiochemistry, and photobiology.

The organizing committee extends its invitation to both students and researchers in relevant areas of study.

Invited Discussants and Session Chairpersons

Dr. Donat P. Haeder (Philipps University, Marburg, W. Germany; Photomovement)  
Dr. Young-Nam Hong (Seoul National University; Phytochrome)  
Dr. Norman I. Krinsky (Tufts University, U.S.; Photosensitization and singlet oxygen)  
Dr. Young-Myung Kwon (Seoul National University; Photosynthesis)  
Dr. Tae-Young Lee (Seoul National University; Photochemistry)  
Dr. Thomas A. Moore (Arizona State University, U.S.; Photoacoustic spectroscopy and spectroscopy of carotenoids)  
Dr. Sang-Dae Park (Seoul National University; Cytology and UV photobiology)  
Dr. Kenneth L. Poff (Michigan State University, U.S.; Photomovement of amoeba and phototropism of plants)  
Dr. Kendrick C. Smith (Stanford University, U.S.; Photochemistry of DNA and UV photobiology)  
Dr. Byung-Sul Yu (Seoul National University; Photomedicine)

Invited Speakers and General Review Topics (Tentative titles)

Dr. M.L. Appelbury (Princeton University, U.S.; Vision - primary molecular processes)  
Dr. Masaki Furuya (University of Tokyo, Japan; Photomorphogenesis *in vivo*)  
Dr. Claude Helene (CNRS, France; Photochemistry of nucleic acids and proteins)  
Dr. Takashi Ito (University of Tokyo, Japan; Photosensitization of bacteria and yeasts)  
Dr. David B. Knaff (Texas Tech University, U.S.; Photosynthesis - electron transport)  
Dr. Angelo A. Lamola (Bell Laboratories and Columbia University, U.S.; Photomedicine - bilirubin photobiology)  
Dr. C. David Lytle (U.S. Department of HEW, U.S.; Photobiology of virus)  
Dr. Wilhelm Nultsch (Philipps University, Marburg, W. Germany; Photomovement of algae)  
Dr. Lee H. Pratt (University of Georgia, U.S.; Phytochrome - molecular aspects)  
Dr. A. Paul Schaap (Wayne State University, U.S.; Photooxidation and chemiluminescence)  
Dr. Howard Seliger (Johns Hopkins University, U.S.; Bioluminescence and photoecology)  
Dr. Sang-Chul Shim (KAIST Korea; Photochemistry of psoralens)  
Dr. Pill-Soon Song (Texas Tech University, U.S. and Jeju National University; Photobiology - Introductory Aspects)  
Dr. John Sutherland (Brookhaven National Laboratory, U.S.; Spectroscopy of biological molecules)  
Dr. T.G. Truscott (Paisley College of Technology, U.K.; Flash photolysis of biological molecules)

General Information

The island of Jeju (Cheju) is served by Korean Airlines. There are direct flights from Osaka, Japan to Jeju. Frequent daily flights from Seoul are also available.

All sessions, except the opening reception, will be held on the campus of Jeju National University; the campus can be reached by university and city buses as well as by taxi.

Hotel accommodations for participants may be arranged through the Secretariat.

Registration: 18:00 - 18:30, May 26, 1982. Grand Hotel, Jeju. No registration fee is required.

Contributed Papers: Contributed papers in the areas of photochemistry, photobiochemistry, and photobiology will be scheduled for either oral or poster presentation, depending on the number of contributed papers presented. Each contributor must submit an abstract (approximating 500 words) by March 31, 1982, to the Chairman (address given below).

Excursion tours: Excursion tours around the island of Jeju are readily available from local hotels. The local committee will also arrange an organized excursion at nominal cost to the participants.

For further details and circulars, contact: Dr. Hyeong-Ok Kim, Chairperson, Graduate School, Jeju National University, Jeju 590, Korea.

CONGRESSIONAL FELLOW:

ASP and the Biophysical Society jointly sponsor a Congressional Fellow each year. Interested members should write to: Dr. Richard Schwarz  
FASEB - Room 401  
Biophysical Society  
9650 Rockville Pike  
Bethesda, Maryland 20814

The application deadline is March 15, 1982, and the fellowship begins in September. Additional information can be obtained from Dr. Schwarz.

FELLOWSHIP REMINDER:

Duro-Test Corporation is sponsoring a \$6,000 "Walter H. Simson Memorial Fellowship" in Photobiology. Details were printed in the June 1981 issue of the Newsletter or can be obtained from Dr. Philip C. Hughes, Director of Environmental Photobiology, Duro-Test Corporation, 2321 Kennedy Blvd., North-Bergen, NJ 07047. Application deadline is March 31, 1982.

MEETINGS:

Midyear Topical Meeting, HEALTH PHYSICS SOCIETY, February 21-24, 1982, Orlando, Florida, Further Information: Diane Taub, Executive Officer, HPS, 4720 Montgomery Lane, Suite 506, Bethesda, MD 20814 (301/654-3080)

Thirteenth Annual Scientific Meeting, ENVIRONMENTAL MUTAGEN SOCIETY, February 25 - March 1, 1982, Boston, Massachusetts, Further Information: Diane Taub, Executive Officer, EMS, 4720 Montgomery Lane, Suite 506, Bethesda, MD 20814 (301/654-3080).

Thirtieth Annual Scientific Meeting, RADIATION RESEARCH SOCIETY, April 18-22, 1982, Salt Lake City, Utah, Further Information: Diane Taub, Executive Officer, RRS, 4720 Montgomery Lane, Suite 506, Bethesda, MD 20814 (301/654-3080).

Tenth Annual Scientific Meeting, AMERICAN SOCIETY FOR PHOTOBIOLOGY, June 27 - July 1, 1982, Vancouver, British Columbia, Further Information: Diane Taub, Executive Officer, ASP, 4720 Montgomery Lane, Suite 506, Bethesda, MD 20814 (301/654-3080).

Twenty-Seventh Annual Meeting, HEALTH PHYSICS SOCIETY, June 27 - July 1, 1982, Las Vegas, Nevada, Further Information: Diane Taub, Executive Officer, HPS, 4720 Montgomery Lane, Suite 506, Bethesda, MD 20814 (301/654-3080).

**AMERICAN SOCIETY FOR PHOTOBIOLOGY**

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