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NEWSLETTER

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ASP - Newsletter

Election Results

President-Elect

WALTER SHROPSHIRE, JR. Biophysicist and Assistant Director, Smithsonian Institution Radiation Biology Laboratory.

Councilors

MEREDITHE L. APPLEBURY. Associate Professor, Department of Biological Sciences, Purdue Univ.

THOMAS P. COOHILL. Professor of Biophysics, Western Kentucky University.

JOHN H. EPSTEIN. Professor of Dermatology, University of California Medical School, SF.

RICHARD B. SETLOW. Senior Biophysicist and Chairman, Biology Department, Brookhaven National Laboratory.

New Books on Photochemistry and Related Subjects

Advances in Laser Spectroscopy. Ed. by B.A. Garetz, Jr.
Lombardi. Vol. 1.
London (usw.:) Heyden 1982. IX, 245 S.

Excited States. Ed. by E.C. Lim. Vol. 5
New York (usw.:) Academic Pr. 1982. X, 204 S.

Excited States. Ed. by E.C. Lim. Vol. 6
New York (usw.:) Academic Pr. 1982. XI, 224 S.

Functions of Quinones in Energy Conserving Systems. Ed. by B.L. Trumpower.
New York (usw.:) Academic Pr. 1982. XXV, 582 S.

Harriman, A., G. Porter: The Photochemical Dissociation of Water by Means of Visible Light.
Luxembourg: Commission of the European Communities 1982. 97 S. (EUR 7682)

Lavorel, J., B. Maison: Kinetic Factors Controlling the Yield of Photosystem II and O_2 Emission.
Luxembourg: Commission of the European Communities 1982. 47 X. (EUR 7678)

Light, Chemical Change and Life: a Source Book in Photochemistry.
Ed. by J.D. Coyle, R.R. Hill and D.R. Roberts.
Milton Keynes: The Open University Pr. 1982. XI, 406 S.

Light Reaction Path of Photosynthesis. Ed. by F.K. Fong.
Berlin (usw.:) Springer-Verl. 1982. XI, 342 S.
(Molecular Biology, Biochemistry and Biophysics. 35.)

Mathis, P., H. Conjeaud, S. Reinman, J. van Best: Study of Primary Reactions of Photosynthesis in Green Plants by Rapid Flash Absorption Spectroscopy.
Luxembourg: Commission of the European Communities 1982. 47 S. (EUR 7679)

Measurement of Photoluminescence. Ed. by K.D. Mielenz.
New York (usw.:) Academic Pr. 1982. XV, 319 S.
(Optical Radiation Measurements. Vol. 3.)

Oxygen and Oxy-Radicals in Chemistry and Biology. Ed. by M.A.J. Rodgers, E.L. Powers. Proceedings of the Internat. Conference on Oxygen and Oxy-Radicals held at the Univ. of Texas at Austin, in May 1980.
New York (usw.:) Academic Pr. 1981. XXX, 808 S.

Photosynthesis. Ed. by G. Akoyunoglu. Proceedings of the 5th International Congress on Photosynthesis, Sept. 7-13, 1980, Halkidiki, Greece. Vol. 1. Photophysical Processes. Membrane Energization. Philadelphia: Balaban International Science Services 1981. XXIII, 708 169 S.

Photosynthesis. Ed. by Govindjee. Vol. 1. Energy Conversion by Plants and Bacteria.
New York (usw.:) Academic Pr. 1982. XXVII, 799 S.

Rabek, J.F.: Experimental Methods in Photochemistry and Photophysics. Pt. 1.2.
Chichester (usw.:) Wiley 1982.
1. XVIII, 592 S.
2. XVIII, S. 593-1098.

Reactive Intermediates. Ed. by R.A. Abramovitch. Vol. 3.
New York (usw.:) Plenum Pr. 1983. XIV, 630 S.

BAXENDALE MEMORIAL SYMPOSIUM June 23-24, 1983

Prof. John H. Baxendale, an eminent scientist in the field of radiation chemistry and photochemistry died on June 20, 1982.

The Instituto di Fotochimica e Radiazioni d'Alta Energia (F.R.A.E.) of the Consiglio Nazionale delle Richerche (C.N.R.) is organizing a symposium to honour the memory of Prof. Baxendale, who was the President of the Scientific Council of the Institute for several years.

Plenary lectures will be held by:
- Prof. G. Foldiak, Hungarian Academy of Sciences, Budapest, Hungary.
- Prof. A. Henglein, Hahn-Meitner-Institut Berlin GmbH, Berlin, Fed. Rep. of Germany.
- Prof. M. Quintiliani, CNR, Istituto di Tecnologie Biomediche, Roma.
- Dr. M.A.J. Rodgers, The University of Texas at Austin, Austin, Texas (USA).

For further information, contact:
Prof. V. Balzani - Istituto FRAE/CNR - Via Castagnoli 1 I-40126 Bologna (Italy). / Tel. 051-519593
Tlx. 511350

8th INTERNATIONAL BIOPHYSICS CONGRESS

Sponsored by the International Union for Pure and Applied Biophysics and The Royal Society of London. Bristol, United Kingdom, 29 July - 4 August, 1984.

Scientific Programme
Plenary Lectures and 28 Symposia

The Scientific Programme is planned to include symposia, poster sessions and plenary lectures. It is hoped that each symposium will include one or two speakers from contributors to the poster sessions. The symposia will focus on the application of physical techniques and models in the study of the structure and function of biological systems and are planned to include subjects within the following areas: Nucleic Acids, Proteins, Polysaccharides and Glycoproteins, Macromolecular Assemblies, Membranes, Technical Developments, Communication and Control in Biological Systems, Environmental Biophysics, Medical Physics, Biorheology, Education in Biophysics.

If you are interested in receiving further information about the 8th Congress please contact: Congress Secretariat, 8th International Biophysics Congress, Meon Conference Services, Petersfield, Hampshire, GU32 3JN United Kingdom. Telephone: Within U.K.: Petersfield (Area Code 0730)-66561; Outside U.K.: Int. Prefix + 44 (U.K. Code) + 730 + 66561. Telex: 86181 MEON G

Postdoctoral Position in DNA Repair

I currently have a post-doctoral opening for work in DNA repair processes under fundings approved until 1986. The research could concern either cultured mammalian cells or prokaryotic systems, depending on the individual's experience and our mutual interests.
Dr. Claud S. Rupert, The University of Texas at Dallas, Box 688, Richardson, Texas 75080.
Telephone (214)690-2521.

Third National Conference on Synchrotron Radiation Instrumentation

September 12-14, 1983, Brookhaven National Laboratory, Upton, Long Island, New York 11973
Preliminary Program

Monday, September 12

1. Synchrotron Radiation Facilities
   An Overview of United States Synchrotron Radiation Facilities, R. Watson
   An Overview of Synchrotron Radiation Facilities Outside the United States, H. Winick
2. Synchrotron Radiation Source Development
   Coherent Radiation Sources, C. Pellegrini
   Permanent Magnet Wigglers and Undulators, K. Halbach
3. Soft X-Ray Instrumentation
   X-Ray Microscopy, J. Kirz
   Possibilities for X-Ray Holography Using Synchrotron Radiation, M. Howells
4. Optics
   Multilayers, T. Barbee
   Transmission X-Ray Diffraction Optics, N. Ceglio
   Considerations on the Finish of X-Ray Optical Surfaces, E.L. Church

Tuesday, September 13

1. VUV Instrumentation
   Absolute Photon Calibration and Detectors, J. Samson
   VUV Experimental Instrumentation, W. Eberhardt
2. X-Ray Instrumentation
   Thermal Problems on High Flux Beam Lines, R. Avery
   Designs of X-Ray Microfocus Instruments, J. Hastings
3. Medical Research
   Medical Imaging Techniques, J. Hui and H. Atkins
   Applications of Synchrotron Radiation to Medical Imaging, E. Rubenstein

Wednesday, September 14

1. Detectors
   High Resolution Gaseous X-Ray Detectors, G.C. Smith
   Solid State Detectors, A. Thompson
2. Special Techniques
   Synchrotron Radiation X-Ray Lithography, J. Silverman

This meeting is the third in the series of National Synchrotron Radiation Instrumentation Conferences. It is being convened by the synchrotron radiation laboratories of the United States to provide a timely forum for the exchange of information. The proceedings of the conference will be published so that developments in this rapidly growing field will be available to all interested parties.

The National Synchrotron Light Source at Brookhaven National Laboratory is acting as the host for this conference. Brookhaven National Laboratory is supported by the U.S. Department of Energy.

Abstracts for contributed papers are due by July 31, 1983. Mail the original and two copies to: Dr. William Thomlinson, Brookhaven National Laboratory, NSLS, Building 510E, Upton, NY 11973. Telephone (516)282-3937.

Registration fee of $100 should be sent to: Mrs. Judy Ferrero, Brookhaven National Laboratory, NSLS, Building 510E, Upton, NY 11973, Telephone (516)282-2145.

Course Offering

Non-Ionzing Radiations: Biophysical and Biological Basis, Applications, and Hazards in Medicine and Industry. Massachusetts Institute of Technology, Cambridge, MA. August 8-12, 1983.

This course will emphasize practical considerations in safe and effective use of these modalities in Medical and Industrial practice, e.g. methods and instrumentation for power measurement, calibration, dosimetry, compliance with Federal and State regulations, etc.

For further information, please contact: Director of Summer Sessions, Room E19-356, M.I.T., Cambridge, MA 02139.

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