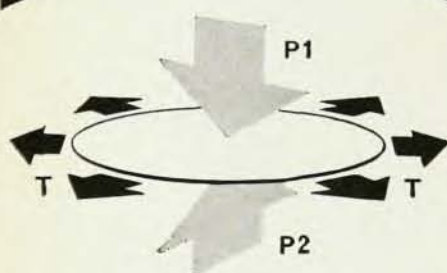


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MEETINGS

Radiation protection

The inaugural congress of the International Radiation Protection Association will be held in Rome at the Cavalieri Hilton Hotel from September 5 to 10. Local arrangements are being handled by the Italian Association for Health Physics and Radiation Protection. The program (in English, French, German, and Italian) will deal broadly with the following topics: radiation effects, operational health physics and contamination of working areas, spectrometry and instrumentation, dosimetry, environmental contamination (including fallout and food chains), public health and waste disposal, hazard evaluation, internal emitters, radiochemical analysis, applied radiation biology, medical aspects of radiation protection, and permissible doses and radiation guides.

Abstracts of 200 to 300 words are due by March 31, and should be sent with other correspondence to Dr. C. Polvani, Secretary General, First International Congress of the International Radiation Protection Association, Casella Postale 2359, Rome, Italy.

Electron and laser beams

The University of Michigan and the Institute of Electrical and Electronics Engineers will cosponsor the eighth annual symposium on electron- and laser-beam technology. Meeting April 6 to 8 on the University's Ann Arbor campus, the symposium will have as principal topics the physics of electron, ion, and light beams, application of energetic beams (micro-miniaturization and thin films, welding and materials, melting and evaporation, microcircuit fabrication, integrated devices, analysis of bombardment problems, materials study, new effects and techniques), new energetic-beam equipment and processes, and holography. Fifty- and 500-word abstracts of contributions should

be sent by Jan. 15 to Dr. G. I. Haddad, Electrical Engineering Department, University of Michigan, Ann Arbor, Mich. Cochairmen for the meeting are Dr. J. E. Rowe of the University of Michigan and Dr. A. B. El-Kareh of Pennsylvania State University.

OSA 50th anniversary

The Optical Society of America will celebrate its fiftieth anniversary March 15 to 18 at the Shoreham Hotel in Washington, D. C. On the first day there will be a special session entitled "Reviews of Modern Optics" on topics ranging from lasers, communication theory, and space optics to physiological optics. The speakers will be C. H. Townes, G. Toraldo di Francia, J. Blamont, and others. Instead of the usual collection of modern optical instruments, there will be an exhibit of historic equipment, manuscripts, photographs, and other rare items. The traditional banquet will be supplemented by special luncheons, a social hour, a buffet, and a historical talk at the Smithsonian Museum. The Society's 1966 Adolph Lomb Medal will be presented to Dr. C. K. N. Patel for his work on the far-infrared spectra of gases and other substances. Additional details can be obtained from Mary E. Wurga, Executive Secretary, Optical Society of America, 1155 Sixteenth Street, NW, Washington, D.C. 20036.

Spectroscopy

Britain's Institute of Physics and Physical Society is arranging a conference on the automation of spectroscopy for July 7 and 8 at the University of Bristol. Sessions will cover data handling and reduction, automation of conventional spectrometers, and on- and in-line analysis and sample handling. Details and application forms will be available in April

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from the Meetings Officer, The Institute of Physics and The Physical Society, 47 Belgrave Square, London SW 1, England.

Two-photon processes

The American Physical Society's Division of Electron Physics has announced the following program for a symposium it is holding during this month's APS meeting: two-photon interaction cross sections, J. J. Hopfield; two-photon decay of metastable hydrogen atoms, R. Novick; laser two-photon photodetachment of iodine, J. L. Hall; two-photon absorption and stimulated emission, I. D. Abella.

Mössbauer effect

New England Nuclear Corporation and Technical Measurement Corporation will hold a symposium on research and industrial applications of the Mössbauer effect in the Mercury Ballroom of the New York Hilton on Jan. 25. Registration information can be obtained from New England Nuclear Corporation, 575 Albany Street, Boston, Mass.

Astronautics

Papers are being solicited for the seventeenth congress of the International Astronautical Federation, which meets Oct. 9 to 15 in Madrid. General sessions of the meeting will include propulsion, theoretical and technical aspects of guidance, control, and tracking, reentry physics, systems design, satellites, and space-related life science. There will also be three special sessions: the international lunar laboratory (invited papers only), the role of astronautics in education, and the ninth colloquium of the International Institute of Space Law. Session chairmen, to be named later this year, will consider abstracts until May 15.

Inquiries should be directed to the International Astronautical Federation, 250, rue Saint-Jacques, Paris 5, France.

Solids

A conference on electronic processes in low-mobility solids will be held in

the department of physics of the University of Sheffield April 18 to 20.

The purpose of the meeting is to discuss transport phenomena, optical, dielectric, and other properties associated with electron (or polaron) hopping and tunneling in solids. Typical materials are the transition metal oxides, ferrites, amorphous solids and molecular crystals. Review papers will include the following: amorphous semiconductors, Professor N. F. Mott, (Cambridge); small polaron theory, Dr. G. L. Sewell, (London); experimental investigation of low-mobility transport properties, Dr. W. E. Spear (Leicester). Short contributions on theoretical and experimental aspects are invited, and titles are due by Feb. 21. Advance registration will be necessary and accommodation will be available in a residence hall. Correspondence should be sent to Dr. I. G. Austin, Department of Physics, The University, Sheffield 3, England.

Semiconductor physics

Britain's Institute of Physics and the Physical Society is planning to hold a conference on the physics of semiconducting compounds at the University College of Swansea, University of Wales, from September 21 to 23. Detailed papers on device technology will be excluded but contributions on all other aspects of the topic will be considered with preference given to papers related to the character of semiconducting compounds. Three-hundred-word outlines of contributions, in triplicate, should be sent by July 1 to R. H. Jones, Department of Physics, University College of Swansea, Singleton Park, Swansea, Wales. Further information will be available in May from the Meetings Officer, The Institute of Physics and Physical Society, 47 Belgrave Square, London SW 1, England.

Organic Scintillators

Argonne National Laboratory will sponsor a symposium on organic scintillators from June 20 to 22. The program will cover three major categories: theory and mechanisms (light production, response, excited states,