

tution of Electrical Engineers in collaboration with the University of Durham and units of the Institution of Mechanical Engineers and the Institute of Physics and Physical Society.

Contributions to the program, which will concern advances in plasma physics with particular reference to possible large-scale power-generation applications, are expected from specialists in the United Kingdom, Continental Europe, and the United States. Correspondence having to do with the meeting should be addressed to the Symposium Secretary, Institution of Electrical Engineers, North Eastern Centre, c/o C. A. Parsons & Co., Ltd., Heaton Works, Newcastle upon Tyne, 6, England.

Fermi Surfaces

A program to review recent work on Fermi Surfaces will be held from 2 to 5 PM, October 31, in the Sky Top Room of the Statler Hilton Hotel in New York City, during the fall meeting of the American Institute of Mining and Metallurgical Engineers. The program will be cosponsored by the Committees on Alloy Phases and on Chemistry and Physics of Metals of the Institute of Metals Division of the AIME. John A. Rayne of the Westinghouse Research Laboratories and Henry V. Bohm of Wayne State University will serve as chairmen.

The speakers and their topics will be W. A. Harrison, General Electric Research Laboratories, Theoretical Aspects; M. G. Priestly, University of Chicago, Magnetoresistance; A. V. Gold, Iowa State University, de Haas-van Alphen Studies; and R. W. Morse, Brown University, Magnetoacoustics. Further information can be obtained from J. O. Betterton, Jr., Metals and Ceramics Division, Oak Ridge National Laboratory, PO Box X, Oak Ridge, Tenn.

Radiation Hazards in Space

A symposium on Protection Against Radiation Hazards in Space will be cosponsored by the Oak Ridge National Laboratory, the Manned Spacecraft Center of the National Aeronautics and Space Administration, and the American Nuclear Society. To be held November 5, 6, and 7, the meeting will place particular emphasis on shielding problems, but will also cover the characteristics of space radiations and their effects on man and materials. A limited number of contributed papers will be considered for presentation (deadline for receipt of 600-word summaries is September 1). Correspondence should be addressed to Everitt P. Blizard, Oak Ridge National Laboratory, PO Box X, Oak Ridge, Tenn.

Information and Space Science

Computers in the Space Age will be the theme of the 1962 Joint Computer Conference, which will be held December 4-6 at the Sheraton Hotel in Philadelphia. The conference will meet under the auspices of the

American Federation of Information Processing Societies, consisting of the Institute of Radio Engineers, the American Institute of Electrical Engineers, and the Association for Computing Machinery. Simulation Councils, Inc., an organization representing analog computer activities, will also participate as a cooperating society.

The technical program is expected to deal with such matters as information retrieval, the learning process, self-organization, gaming, pattern recognition, the man-machine interface, speech recognition, simulation techniques, cryogenics, programming theory, design automation, input and output advances, multiple computer systems, and the social and economic effects of computing technology. Further details can be obtained by writing to J. Wesley Leas, Radio Corporation of America, Camden, N. J.

American Geophysical Union

The Second Western National Meeting of the American Geophysical Union will be held December 27-29 at Stanford University, Stanford, Calif. Sessions are scheduled for the various AGU sections which are concerned with work in geodesy, seismology, meteorology, geomagnetism and aeronomy, hydrology, volcanology, geochemistry, petrology, tectonophysics, and planetary sciences. An opening joint plenary session with the American Physical Society has also been planned.

The deadline for submission of titles of papers and informative abstracts (not more than 200 words) is October 10. They should be sent to the general program chairman for the meeting, Prof. Joseph Kaplan, Department of Physics, University of California, Los Angeles 24, Calif. Requests for further information concerning the meeting should be addressed to the conference secretary, Dr. William W. Kellogg, RAND Corp., 1700 Main Street, Santa Monica, Calif.

Quantum Electronics

The scope of the Third Quantum Electronics Conference, which will take place in Paris early next year, has been enlarged to include discussions of advanced devices and systems as well as of general problems in quantum electronics. The meeting will be held during the week of February 11-15, 1963, under the sponsorship of the Institute of Radio Engineers and the Société Française des Electroniciens et Radioélectriciens and with the cooperation of the Office of Naval Research. An accompanying exhibition of working experiments and advanced devices will start a few days earlier—February 8th—and will continue through February 15th.

November 1 has been set as the deadline for abstracts, which should be sent to Mme. Cauchy, Secretary, Third Quantum Electronics Conference, 7, rue de Madrid, Paris 8, France. Pierre Grivet of the Electronics and Radio Electricity Laboratory of the University of Paris is serving as president of the conference, and the program committee is headed by N. Bloembergen.

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Spectroscopy

The Fourteenth Pittsburgh Conference on Analytical Chemistry and Applied Spectroscopy will be held March 4-8, 1963, at the Penn-Sheraton Hotel in Pittsburgh. The meeting, sponsored by the Analytical Chemistry Group of the American Chemical Society's Pittsburgh Section and the Spectroscopy Society of Pittsburgh, will include a symposium cosponsored with the Society for Applied Spectroscopy on solution techniques in x-ray and emission spectroscopy, and a symposium on techniques related to infrared spectroscopy is being arranged in cooperation with the Coblenz Society. There will also be special symposia dealing with nuclear magnetic resonance for nuclei other than hydrogen, gas chromatographic analysis of metallo-organics and related compounds, the uses of reaction rates in analytical chemistry, and the analysis of refractory metals.

In addition to the various symposia, there will be a program of contributed papers and an exhibition of the latest analytical instrumentation. Abstracts of approximately 150 words, in triplicate, together with a letter listing the names and addresses of the authors and the laboratory in which the work was done must be received by October 15. All correspondence should be sent to the program chairman, Dr. William A. Straub, Applied Research Laboratory, United States Steel Corp., Monroeville, Pa.

The Fourth Omnibus Conference on Experimental Aspects of Nuclear Magnetic Resonance Spectroscopy will be held at the Mellon Institute in Pittsburgh from February 28 to March 2. For the convenience of those wishing to attend both meetings, the NMR sessions of the Fourteenth Pittsburgh Conference are scheduled for March 4.

Magnetic Devices

An International Conference on Nonlinear Magnetics will be held April 17-19, 1963, at the Shoreham Hotel in Washington, D. C., under the joint sponsorship of the Institute of Radio Engineers and the American Institute of Electrical Engineers. The international conference, which is an outgrowth of previous national meetings on nonlinear magnetic devices, will emphasize the theory and application of such devices in the fields of computation and control. The program will cover recent developments in computer logic and memories, power devices, the combination of nonlinear magnetics with semiconductors, and instrumentation.

Abstracts of about 200 words must be received no later than November 5 by Dr. J. J. Suozzi, Bell Telephone Laboratories, Inc., Whippany, N. J. For further information on the conference, contact Dr. Herbert F. Storm, 1 River Road, Building 37, General Electric Company, Schenectady, N. Y.