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Atomic and Nuclear Science

NUCLEAR frontiers—a challenge to industry is the theme of the 1960 annual conference of the Atomic Industrial Forum to be held December 14-16 at the Fairmont Hotel in San Francisco. The agenda will include such topics as the role of nuclear energy in space exploration, the impact of public attitudes on atomic energy progress, problems in industry-government relations, advanced nuclear technology, international atomic developments, and progress in radiation and radioisotope application.

The AIF conference is being held in conjunction with the winter meeting of the American Nuclear Society, which will take place December 12-15 at the Mark Hopkins (for details, write to E. Zebroski, P. O. Box 254. San Jose, Calif.) and the AIF-ANS "AtomFair-West", which will be held December 12-15 in San Francisco's Masonic Memorial Building (for information and complimentary tickets, write, on letterhead stationery, to Exhibit Manager, Atomic Industrial Forum, 3 East 54th Street, New York 22, N. Y.). A preliminary program and registration information are available from the Conference Manager of the Atomic Industrial Forum at the latter address.

Strong Interactions

IN connection with the Pacific Coast Meeting of the American Physical Society (December 29-31 in Berkeley, Calif.) a special conference on strong interactions will be held December 27-29 at the Department of Physics of the University of California in Berkeley. It will consist of invited papers and will be open to all APS members. The first two days will be devoted to experimental aspects, while the third day will review theory. Present plans call for ample time for discussions. There will be opportunity to visit the Lawrence Radiation Laboratory.

The official hotels for the conference are the Claremont, Durant, and Shattuck in Berkeley. The conference, which will be supported in part by the US Atomic Energy Commission and the Air Force Office of Scientific Research, is being planned by a committee consisting of V. F. Weisskopf, G. F. Chew, W. K. H. Panofsky, D. A. Glaser, R. L. Cool, and A. C. Helmholz, chairman. Further information can be obtained from Dr. Helmholz at the Department of Physics, University of California, Berkeley 4, Calif.

Materials and Electron Device Processing

THE chemistry and physics of device processing, with emphasis on various materials and processing problems common to electron tubes and solid-state devices, will be discussed at a three-day symposium on Materials and Electron Device Processing to be held April 10-12 at the Franklin Institute in Philadelphia. The American Society for Testing Materials Committee F-1 on Materials for Electron Tubes and Semiconductor Devices will be the sponsor. Subjects to be covered include: detection and removal of contaminants from

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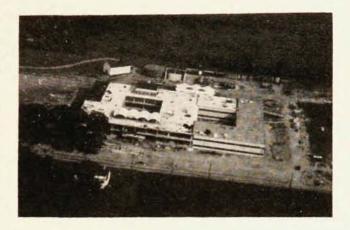
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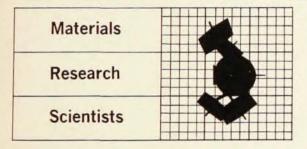
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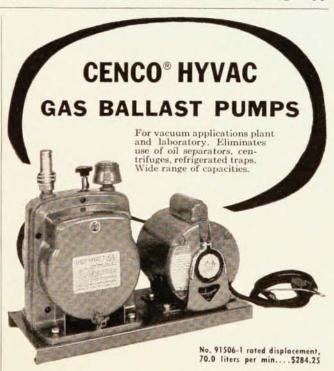
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device materials; examination and evaluation of materials and device processing facilities, such as chemical etchants and solvents; ambient conditions, including furnace atmospheres and dust and lint control; and the chemistry and physics of device activation and reliability.

Titles and 200-word abstracts should be submitted before January 2 to Dr. D. E. Koontz, Bell Telephone Laboratories, Murray Hill, N. J. The deadline for complete papers is February 15. Further information on the meeting can be obtained from the American Society for Testing Materials, 1916 Race Street, Philadelphia 3, Pa.

Macromolecular Chemistry

HIGH-POLYMER science, with emphasis on the newer fields of research, will be discussed at the 1961 International Symposium on Macromolecular Chemistry. The meeting will take place from July 27 to August 1 at the Queen Elizabeth Hotel in Montreal, Canada. Sponsored jointly by the Division of Polymer Chemistry of the American Chemical Society and the Commission on Macromolecules of the International Union of Pure and Applied Chemistry, it will be held under the patronage of the Chemical Institute of Canada, the Canadian Section of the Society of Chemical Industry, and the Canadian Association of Physicists. The Canadian High-Polymer Forum will serve as host.

According to a preliminary announcement, plenary and invited lectures are planned. It is intended that papers of like interest will be grouped together and introduced by an invited speaker. Persons wishing to receive additional information should write to the Organizing Committee, International Symposium on Macromolecular Chemistry, P. O. Box 816, Sarnia, Ont., Canada.

Information Theory

AN International Symposium on the Transmission and Processing of Information will be held September 6-8, 1961, at the Massachusetts Institute of Technology. Planned by the Institute of Radio Engineers Professional Group on Information Theory in cooperation with the Center of Communication Sciences in MIT's Research Laboratory of Electronics, the meeting is intended to provide an occasion for presenting new theoretical and experimental research contributions. As in the case of similar symposia held in 1954 and 1956, no tutorial papers will be given and the program will be planned specifically for active specialists in the field.

In order that the Symposium *Transactions* can be distributed at least two weeks prior to the meeting, the following deadlines have been set: January 1 for receipt of 500–1000-word abstracts; April 1 for receipt of complete papers. Abstracts and papers should be submitted to the chairman of the Program Committee, Peter Elias, Research Laboratory of Electronics, Massachusetts Institute of Technology, Cambridge 39, Mass., from whom further information can be obtained.