

Saturday Evening, Dec. 29

8:30 to 11:00 PM, Ballroom and adjacent rooms,
Hotel Statler, AAAS Smoker.

Communication Theory

BOSTON University and the Air Force Cambridge Research Center will cosponsor a Symposium on Communication Theory and Antenna Design to be held January 9-11, 1957, at Hillel House, Boston University, Boston, Mass. The Symposium's purpose is to acquaint antenna designers with the techniques of communication theory. This is to be accomplished by outlining the mathematics of the theory and pointing to its application in the fields of electronics, optics, and microwaves. For information, write to Miss Alice Cahill, Air Force Cambridge Research Center, Air Research and Development Command, Laurence G. Hanscom Field, Bedford, Mass., Attention: CRRD.

Third Carbon Conference

SEVERAL sessions of contributed papers and a special symposium entitled "From Benzene to Graphite" will be included in the program of the Third Conference on Carbon, to be held June 17-20, 1957, at the University of Buffalo. Sessions have been scheduled under the following headings: Electronic Properties of Carbons; Mechanical and Thermal Properties of Carbons; Carbonization, Coking, and Graphitization; Interstitial Compounds, Imperfections, and Irradiation Effects; Surface Properties; Gas Reactions and Coatings; and Carbon Processing. The last session will include carbon-bonded ceramic materials. Papers on carbon blacks and on x-ray diffraction will be distributed over the different sessions. The meeting will be held in the new physics laboratories on the University campus. Authors wishing to present papers are asked to submit abstracts (200 words, 2 copies) before March 15, 1957, to the Carbon Conference, University of Buffalo, Buffalo 14, N. Y., and to indicate the time required for presentation.

The conference is cosponsored by the University of Buffalo, the National Science Foundation, and the U. S. Office of Naval Research. It is planned that the conference *Proceedings* be published.

Low-Temperature Conference

PRELIMINARY plans are now being formulated for holding the Fifth International Conference on Low-Temperature Physics and Chemistry at the University of Wisconsin from August 26th to 31st, 1957. The previous four international low-temperature conferences were held at Cambridge, Mass. (1949), Oxford, England (1951), Houston, Texas (1953), and Paris, France (1955). For additional information (when it becomes available) concerning next year's conference, contact Professor Joseph R. Dillinger, Department of Physics, The University of Wisconsin, Madison 6, Wis.

SUPERVISOR BASIC METAL PROCESSING RESEARCH

Atractive, permanent position open in the research laboratories of the world's largest machine tool builder. Mechanical engineer or physicist required, preferably with a doctoral degree, and having strong background in applied mechanics. Should have several years' experience in industrial or academic research in metal processing, and established reputation for original basic research in this field. The laboratory is newly equipped with the finest instrumentation available. Successful candidate will have supervision of a group working on basic research in metal cutting, grinding and metal forming. Will be responsible for planning and directing long-range research in metal processing. Many Company benefits.

Contact M. Eugene Merchant
Assistant Director of Research

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POSITIONS OPEN

INDUSTRIAL PHYSICS RESEARCH

Openings for several physicists with advanced degrees and industrial experience are presently available in the newly-created long-range research laboratories of a company manufacturing a wide variety of containers, packaging materials, and automatic fabrication machinery.

Work will involve the application of fundamental physical principles to fields such as adhesion, permeability, rheology, energy conversion, high-speed materials analysis, instrumentation of automatic machinery, and irradiation of materials.

Men with versatility and originality are needed to work closely with scientists in chemistry, metallurgy, biology, and several branches of engineering.

Please send resume of education and experience to Dr. Paul M. Erlandson, Director of Research—Physics Department, Central Research and Engineering Division, Continental Can Co., 7622 S. Racine Ave., Chicago 20, Illinois.

FOR SALE

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