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ATOMIC PHYSICS

An Atomic Description of Physical Phenomena

By **G. P. HARNWELL**, President, University of Pennsylvania and **W. E. STEPHENS**, University of Pennsylvania. *International Series in Pure and Applied Physics.* Ready in June

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INTRODUCTION TO MODERN PHYSICS. New Fifth Edition

By **F. K. RICHTMYER**; **E. H. KENNARD**, National Research Laboratory, Bethesda, Maryland; and **T. LAURITSEN**, California Institute of Technology. *International Series in Pure and Applied Physics.* In press

This new edition of a popular text has been extensively rearranged to accommodate new material and to present as systematically as possible current thinking in the field. It also reflects the further change in perspective on the physical scene. Added new materials are included in the discussion of nuclear energy, cosmic rays, and spectroscopy. The historical approach, employing the description of actual experimental investigations, is used throughout the text.

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MIT spoke on the nonlinear response characteristics of barium titanate and the domain structure observable in single crystals subjected to an electric field.

It is planned to publish the proceedings of the conference shortly.

Photography

The 5th annual conference of the Society of Photographic Engineers, sponsored this year by the Army Signal Corps, will be held May 17-20 at the Hotel Thayer, West Point, N. Y. Edwin H. Land, president of the Polaroid Corporation, will be guest of honor and will receive the Society's second annual award for outstanding contributions to photographic engineering. Technical papers will deal with photographic instrumentation techniques, apparatus, optics, black and white and color processes, and evaluation of photographic performance of materials and equipment. Further information may be obtained from the conference chairman, Steven Levinos, chief of the Photographic Branch, Signal Corps Engineering Laboratory, Fort Monmouth, N. J.

Statistics

The section on physical and engineering sciences of the American Statistical Association is sponsoring a meeting in New York City, May 26-27, in conjunction with the centennial celebration of New York University's College of Engineering. The program will be concerned with applications of statistical methods in physics, chemistry, astronomy, the earth sciences, and engineering. For further information write to Dr. Jack Moshman, secretary of the Association, at Bell Telephone Laboratories, Murray Hill, N. J.

Acoustical Society

The 49th meeting of the Acoustical Society of America will be held from June 30th to July 2nd at the Pennsylvania State University (formerly Pennsylvania State College), University Park, Pa. (formerly State College, Pa.) The locale is still the Nittany Valley of central Pennsylvania. The technical program will take place in Osmond Laboratory on the Penn State campus and will include contributed papers and five special sessions on physiological acoustics, sound generation and reception, high-intensity sound in liquids and gases, physical acoustics and the solid state, and units and reference levels for noise measurement. The Society's banquet will be held at the Hetzel Union Building on Friday, July 1st, and informal open houses on Thursday evening will afford an opportunity to inspect acoustics research laboratories at Penn State, the Garfield Thomas water tunnel, the Black Moshannon calibration station, and the new nuclear reactor. Those wishing additional information should contact James Probus, Ordnance Research Laboratory, The Pennsylvania State University, University Park, Pa.