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Scientists interested in these new positions may send a resume to Manager of Employment, Dept. 901, P.O. Box 608, San Diego 12, California. Most openings require U.S. citizenship. General Atomic is an equal opportunity employer.

**GENERAL DYNAMICS
GENERAL ATOMIC DIVISION**



MEETINGS

Lasers

Ohio State University's Antenna Laboratory is organizing a symposium on lasers and their applications to be held November 7 and 8. The program is expected to cover the following topics: (1) lasers and laser materials, including new lasers, new materials, properties of single crystals, semiconductors as optical-frequency sources, laser optics, fluorescence and absorption spectra, high-power lasers, new pumping methods, analysis of laser behavior, and optical cavity analysis; (2) laser applications, including optical ranging, coherence properties, thermal effects of laser radiation, laser instrumentation, information content of optical beams, communications systems, medical applications, laser propagation, spectroscopy applications, etc.; and (3) modulation, detection, and mixing, including nonlinear effects, phonon interaction, and coherence content of laser beams.

In addition there will be informal discussions of topics of current interest, a number of invited papers on current problems in laser research and applications, and an opportunity to inspect the Air Force sponsored facility for laser research and measurements. A limited number of postdeadline "late news" papers will be accepted for presentation during the discussion sessions.

Correspondence should be addressed to R. A. Fouty, Ohio State University, 2024 Neil Avenue, Columbus 10, Ohio.

Magnetism

The eighth in the series of annual conferences on magnetism and magnetic materials to be sponsored by the American Institute of Physics and the American Institute of Electrical Engineers will be held November 12-15 at the Penn Sheraton Hotel in Pittsburgh. Organized in cooperation with the Office of Naval Research, the Institute of Radio Engineers, the Metallurgical Society of the AIME, and the American Society for Testing and Materials, the conference will include papers on basic theoretical and experimental investigations, potential engineering applications, and recent advances in the development of apparatus and techniques. In addition, a number of contributions on high fields, superconductivity and magnetism, and biological magnetism are expected.

The *Proceedings of the Conference* will be published in next year's March or April supplement to the *Journal of Applied Physics*. In addition to the technical sessions, the conference will again sponsor an exhibit of magnetic products and instrumentation, and there will be a conference banquet on the evening of the 14th.

Further information can be obtained from Dr. A.

11th ANNUAL PHYSICS SHOW

January 23-26, 1963

Statler Hilton Hotel,

New York City

EXHIBITORS

Academic Press
Addison-Wesley
Alpha Scientific Labs.
American Elsevier
American Tradair
Arenberg Ultrasonic Lab.
Baird-Atomic Inc.
Barnes Engineering
Beckman & Whitley
Benjamin, W. A., Inc.
Cambridge Communications
Cambridge Univ. Press
Central Scientific
Conference Book Svc.
Consolidated Vacuum
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Davis, F. A., Co.
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INQUIRIES

Inquiries should be addressed to Mr. T. Vorburger, Exhibit Manager, American Institute of Physics, 335 East 45th Street, New York 17, N. Y. MU.5-1940

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X-Ray Diffraction

The X-Ray Analysis Group of the British Institute of Physics and Physical Society will hold its autumn conference on x-ray diffractometry at the Institution of Civil Engineers in London on the 16th and 17th of November. The principal session of the conference will deal with single-crystal diffractometry; the other two sessions will be concerned with powder diffractometry and neutron diffractometry, respectively. Invited speakers will include Leroy Alexander of the Mellon Institute; P. M. de Wolff of the Technische Hogeschool of Delft; A. J. C. Wilson of University College, Cardiff; and G. E. Bacon of Harwell.

Correspondence regarding the program should be addressed to the honorary conference secretary, Dr. U. W. Arndt, The Royal Institution, Albemarle Street, London, W. 1, England. Information and application forms can be obtained from the Administration Assistant, The Institute of Physics and The Physical Society, 47 Belgrave Square, London, S. W. 1, England.

AAAS to Meet in Philadelphia

The 129th annual meeting of the American Association for the Advancement of Science will be held in Philadelphia during the period December 26-30. In addition to the sessions of the twenty AAAS sections and eighty participating organizations, the program will feature a number of special and general sessions, including the following:

An interdisciplinary symposium on planetary atmospheres has been scheduled for the morning of December 28. Arranged by Julius London of the University of Colorado, the symposium will offer papers by Philip D. Thompson (National Center for Atmospheric Research, Boulder) on the role of convection in the dynamics of planetary atmospheres; Arnt Eliassen (Geophysics Institute, University of Oslo) on the vertical propagation of energy in the atmosphere; Colin O. Hines (Defence Research Board, Ottawa) on turbulence in the upper atmosphere; and Raymond Hide (MIT) on laboratory experiments relating to the dynamics of planetary atmospheres.

A two-part general session will be held under the title "Moving Frontiers of Science", of which the first part, under the chairmanship of Henry Eyring, will take place on the evening of December 26. The second, under the chairmanship of William W. Rubey, will be held on the afternoon of December 28. The third George Sarton Memorial Lecture, which will also be the vice-presidential address of AAAS Section L (History and Philosophy of Science), will be given by Gerald Holton, professor of physics at Harvard, on December 28. The Section L program will include a report by W. James King on the project of the