

Publications

The first issue of *Cryogenics*, an international quarterly journal of low-temperature engineering and research, is scheduled to appear in June 1960. Published by Heywood & Company Ltd. (London), the journal will have three editors: K. Mendelssohn of the Clarendon Laboratory, Oxford; Russell B. Scott of the NBS Cryogenics Engineering Laboratory, Boulder, Colorado; and L. Weil of Grenoble University. Original papers and brief notes of new discoveries in the form of letters to the editor are to be emphasized. Where appropriate, short descriptions of technical developments will also be included. The journal will be printed in English but will carry abstracts in French, Russian, and German as well. Subscription rates are 25s. per copy or £5 per year. This is the first of a new group of journals planned by the recently established Scientific Publications Department of Heywood & Company. A second journal (*Medical Electronics*) is to be issued in the near future and further titles will be announced in due course. Editorial offices of the new department will be at Carlton House, Great Queen Street, London, W. C. 2, England.

Scientific aspects of hearing are to be covered in a new interdisciplinary quarterly, *The Journal of Auditory Research*, which is to be published on a nonprofit basis by the C. W. Shilling Auditory Research Center, Inc., of Groton, Conn. In announcing the founding of the journal, its board of editors has indicated that areas of interest will include psychoacoustics, otology, audiology, neurophysiology of audition, speech and communications, auditory aspects of human engineering, musicology, instrumentation for hearing research, and other subjects associated with audition. Quick but thorough editing and rapid publication are promised, and the subscription price (advance subscription \$3; regular subscription \$5) has been kept as low as possible. The journal's editor is J. Donald Harris of the Medical Research Laboratory in New London, Conn., and the associate editor is James Jerger of Northwestern University. The editorial policy board consists of Norton Canfield, Raymond Carhart, Stacy Guild, Henry L. Haines, Fred Kranz, Al Liberman, and E. Glen Wever. Initial publishing costs have been defrayed by a grant from the Belton Institute for Hearing Research. Manuscripts and preliminary reports on all aspects of hearing are to be sent to the Editor, *The Journal of Auditory Research*, 348 Long Hill Road, Groton, Conn.

The Institute of Basic Technical Problems of the Polish Academy of Sciences, Warsaw, has commenced publication of a new quarterly journal entitled *Proceedings of Vibration Problems*. The journal, whose editorial board is headed by Ignacy Malecki of the Academy, will contain original research papers on the theoretical and experimental aspects of vibration problems, including vibration of systems of many degrees of freedom (particularly of the nonlinear variety),



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propagation of mechanical waves in solids, coupled fields (electric, magnetic, thermal, and mechanical), electroacoustics, and electromechanical analogies. Papers are published in English with Polish and Russian abstracts.

Lecture notes of the 1959 Brandeis Summer Institute in Theoretical Physics have been reissued as a single soft-cover volume, the original 1000 multilithed copies having been exhausted by the demand. The new format reduces the collection to "normal book size". Included are lectures by F. E. Low on Scattering Theory, by J. Schwinger on Field Theoretic Methods, by E. C. G. Sudarshan on Weak Interactions, by L. N. Cooper on Superconductivity, by K. Huang on Hard Sphere Bose Gas and Liquid Helium, and by H. J. Lipkin on Collective Motion in Many-Particle Systems. The volume may be obtained for \$3.00, postpaid, from the Summer School Office, Brandeis University, Waltham 54, Mass.

Education

Beginning in September the Department of Physics at Lehigh University, Bethlehem, Pa., will offer the following three new courses: "Mechanics of Mass Points", an introduction to physics through a study of the laws of motion and conservation principles; "Heat and Electricity", an introduction to heat, laws of thermodynamics, sound, and steady electric fields and currents; and "Electricity, Light, and Atomic Physics", which will deal with electromagnetism, induced electromotive forces, electrical transients in circuits, geometrical and physical optics, and an introduction to quantum phenomena. Each course will consist of two lectures, one recitation, and one laboratory period a week.

The film *Crystals*, produced for the Physical Science Study Committee's high-school physics course, received a first place Blue Ribbon Award at the American Film Festival held April 20-23 in New York City under the sponsorship of the Educational Film Library Association. *Crystals*, a 25-minute, 16-mm sound film in color, was directed by Richard Leacock of Andover Productions and the PSSC. It features Alan Holden, a physical chemist at the Bell Telephone Laboratories, who developed the film treatment and provided extensive notes to accompany the picture. Each PSSC film is designed to be related closely to the Committee's new textbook and recommended laboratory materials.

For the 1960-61 academic year the Foundation for Instrumentation Education and Research Inc. (FIER) has awarded 14 graduate fellowships in the engineering sciences related to instrumentation. Each fellowship consists of full tuition, a \$1500 cost-of-living stipend to the student, and a \$1000 cost-of-education grant to the university. Funds for the awards were made available by 18 industrial organizations having interests in the instrumentation field. Other FIER awards recently presented include the FIER-Link in-industry scholar-