

PUBLISHING NEWS

Reviews of Astronomy

Annual Reviews, Inc., of Palo Alto, Calif., has announced the forthcoming publication of a new review series, the *Annual Review of Astronomy and Astrophysics*, which will appear under the editorship of Leo Goldberg of Harvard College Observatory. The Editorial Committee for the new series consists of Prof. Goldberg and five other members: Ronald Bracewell of Stanford University, Geoffrey Burbidge of Yerkes Observatory, Maarten Schmidt of the Mt. Wilson and Palomar Observatories, Otto Struve of the National Radio Astronomy Observatory, and Harold C. Urey of the University of California. The contents of the first volume, which is scheduled to appear in the fall of 1963, will be determined by the committee at its initial meeting next month.

Compilations

The General Radio Company has published the fourth edition of its *Handbook of Noise Measurement* by Arnold P. G. Peterson and Ervin E. Gross, Jr. The 132-page volume deals with various aspects of noise measurement and control, beginning with a consideration of the decibel and continuing with discussions of man as a noise-measuring instrument, mechanical noise-measuring devices, noise sources, noise levels, reactions to noise, noise control, and mechanical vibrations and their measurement. Appendices give tables, conversion charts, and a glossary of acoustical terms. The book is paperbound, is priced at \$1, and may be obtained from the General Radio Company, West Concord, Mass.

A theoretical study of the sharp-line absorption spectra of crystals has been published by the National Bureau of Standards as Monograph 19 under the title, *Atomic Energy Levels in Crystals*. Written by John Prather, it presents a collection of the results of group theory applying to the theory of atomic energy levels in crystals, and gives a development of the general theory to permit application of those results to experimental problems. The 84-page monograph is priced at 60 cents and can be ordered from the Superintendent of Documents, US Government Printing Office, Washington 25, D. C.

Publishers

The boards of directors of John Wiley & Sons and Interscience Publishers have decided, subject to the approval of their stockholders, to merge the two corporations under the name of John Wiley & Sons, Inc. In a statement made public on June 27, the presidents

of the two firms, W. Bradford Wiley and Maurits Dekker, indicated that the expansion of the editorial programs of both houses would be maintained without disturbance and that the Interscience imprint would be continued. Mr. Dekker and Eric S. Proskauer of Interscience have both been named to the Wiley board of directors.

Early in July it was announced that John Wiley & Sons and Basic Books, Inc., had entered into an agreement whereby the two firms will jointly sponsor a new line of paperbacks under the imprint "Science Editions". According to the publishers, the new series is planned to encompass "every era, every field, every figure of consequence, and every development of significance in the world of scientific thought and discovery". The new paperbacks will be priced between \$1.45 and \$2.45 and are intended for both general readership and student use. New titles will be announced quarterly, and, within a year, between forty and fifty volumes are expected to be in print. They will be published simultaneously in England by John Wiley, Ltd., and distributed in Canada by General Publishing Co., Toronto.

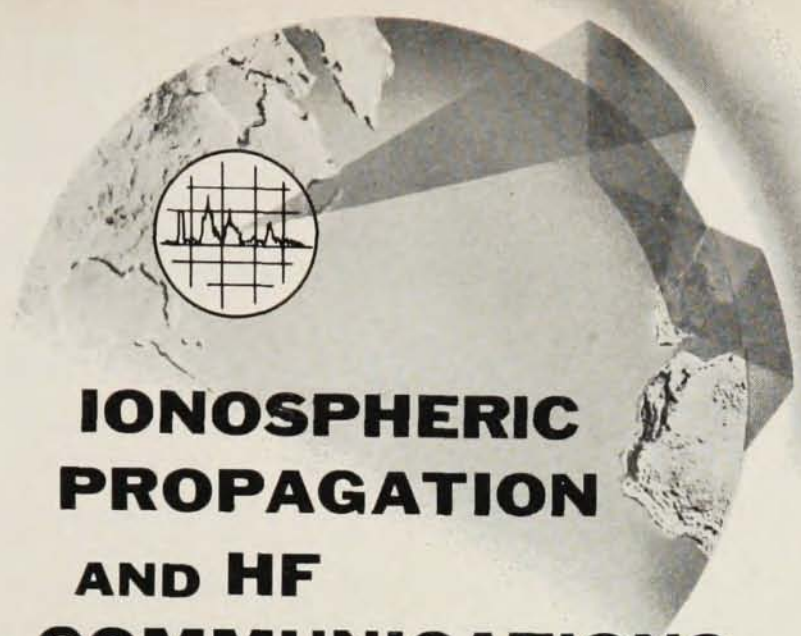
Among the first titles, scheduled for publication in September, are: *The Logic of Scientific Discovery* by Karl R. Popper, *The Structure of Matter* by Francis O. Rice and Edward Teller, *Introduction to Difference Equations* by Samuel Goldberg, and *The Earth and Its Atmosphere*, edited by D. R. Bates.

International Science and Technology

A new interdisciplinary magazine, *International Science and Technology*, is to appear for the first time in January 1962. To be published on a monthly basis by Conover-Mast Publications of New York City, the magazine will report, by means of authoritative review articles, on the interrelationships of pure and applied science and advanced technology, selecting as subjects those most likely to affect industrial progress. Some emphasis will thus be placed on the physical sciences, but the scope of the magazine will also include developments in the life sciences and social sciences. In addition, attention will be given to public issues and policy matters of particular concern to the technical community.

A prototype issue appearing this month is scheduled to include articles on cryogenics, ultrapure materials, neutron analysis, high-temperature polymers, optical masers, the capacity of the ocean to absorb radioactive and other wastes, and the problems and opportunities involved in international cooperation in scientific research.

On the magazine's editorial board are E. U. Condon,



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head of Washington University's Physics Department (chairman); Louis P. Hammett, emeritus professor of chemistry at Columbia University; Sir Harrie Massey, professor of physics at the University of London; Hugh Odishaw, executive director of the National Academy of Sciences Space Science Board; and Ernst Weber, president of the Polytechnic Institute of Brooklyn. The publisher is William G. Maass, and the editorial staff consists of editor Robert Colborn, executive editor Daniel I. Cooper, associate editors David C. Allison, Evan Herbert, Theodore Melnechuk, Ford Park, and Seymour Tilson, and assistant editors Sheila Bouwman and Regula Davis.

Distributed through controlled circulation, the magazine will reach about 100 000 scientists and engineers in this country and 20 000 abroad.

Literature-Searching Aids

The Institute of the Aerospace Sciences has received a grant from the National Science Foundation for the preparation of a comprehensive annual subject index to the world literature of aerospace technology covering more than 10 000 documents. The index is expected to appear in book form early in 1962 and to serve as a key to the publications now being abstracted in the monthly *International Aerospace Abstracts*.

A new instruction booklet for users of "Solid State Abstracts on Cards" has been issued by Cambridge Communications Corporation, publishers of the journal *Solid State Abstracts* and of the 3" x 5" cards which reproduce the abstracts carried in the journal to facilitate cumulative filing. The pamphlet can be obtained by writing to Dept. M, Cambridge Communications Corporation, 238 Main Street, Cambridge 42, Mass.

An indexed bibliography of doctoral theses in physics, listing those accepted by nearly 100 American universities in the period between 1861 and 1959, has been compiled by M. Lois Marckworth with the assistance of the staff of the Advanced Systems Development Division and Research Laboratories, International Business Machines Corporation, San Jose, Calif. Entitled *Dissertations in Physics* and published by Stanford University Press, the book is 803 pages long and is priced at \$17.50.

The introduction contains a two-page summary of the numbers of physics PhD's granted in each year by various universities. The first part of the book contains an alphabetical list of authors, which includes title, date, and the source from which a copy of the dissertation may most readily be obtained. A permuted title index follows, in which each key word is indexed. Under each key-word entry the full title is listed, followed by a serial number which refers back to the author index. The permuted index is succeeded by a numerical index which lists titles by energy ranges, wavelength ranges, etc., for the cases where such classification is applicable to the subject matter.