PUBLISHING NEWS

Paperback Science Series

Dover Publications of New York has announced the launching of a new series of paperbacks, *Classics of Science,* under the general editorship of Gerald Holton of Harvard University.

Each volume of the series is intended to contain the fundamental essays and associated papers dealing with one main scientific development. A commentary and historical background of the subject will be provided by the editor for each book, which will also include portraits and bibliographical details.

Volume 1 in the series, *Classics in the Theory of Chemical Combination,* edited by O. Theodor Benfey and costing $1.85, has just been released. Some of the other volumes planned for the near future include *The Discovery of Radioactivity and Transmutation* and *Radiochemistry and the Discovery of Isotopes,* both edited by Alfred Romer; *The Concepts of Time,* edited by R. S. Cohen and Max Jammer; *The Development of High-Energy Accelerators,* edited by M. S. Livingston; and *Basic Papers of Modern Cosmology,* edited by Thomas Gold.

Soviet Guide

A *Directory of Selected Scientific Institutions in the USSR* has been prepared by the Battelle Memorial Institute under a contract with the National Science Foundation.

Based largely on material in the Battelle Slavic Library, the 1200-page guide is oriented toward the physical sciences, while fields related to biology and medicine have been excluded. Each of the more than 1100 entries includes the name of the institute in English and in the phonetic version, the Soviet form of the address, the director and deputy director, the administrative affiliation, selected staff members, and the institute's activities.

A short description of the administration of Soviet science is also included, as well as data on the various academies of sciences and indices to titles, subjects, personnel, and geography.

Copies of the publication can be ordered for $14.75 each from Charles E. Merrill, 1300 Alum Creek Drive, Columbus 16, Ohio.

IGY Bibliography

An annotated bibliography of United States contributions to the International Geophysical Year (1957-1958) and to International Geophysical Cooperation (1959) has been issued by the National Academy of Sciences—National Research Council.

The volume, *United States IGY Bibliography 1953-1960,* Publication 1087, is a joint project of the Library of Congress, the National Science Foundation, and the Academy. Its more than 2800 abstracts represent the work both of American IGY scientists and of scientists from abroad who participated in United States IGY projects during the years 1953-1960.

The material is arranged in alphabetical order by author, within subject categories that conform to the original IGY disciplines. In addition, categories for antarctic, arctic, aeronomy, interdisciplinary research, and general have been added to give better definition to the trend of the US effort. An author and subject index are also included.

Copies of the guide are available from the National Academy of Science, 2101 Constitution Ave., N.W., Washington 25, D.C., for $3 each.

Lexicography

Two new lexical publications have been announced by the American Elsevier Publishing Company

The first is a translating *Dictionary of Pure and Applied Physics.* Volume 1, the German-English list, appeared in December 1963; Volume 2, the English-German equivalent, is scheduled to appear in March. The dictionary was compiled by Louis de Vries of Iowa State University and W. E. Clason, former head of the Translation Department of N. V. Philips' Gloeilampenfabrieken at Eindhoven, and contains approximately 31 000 terms. The price of each volume is $9.95.

The other lexicon is *International and National Units,* for which Mr. Clason is the sole compiler. The work is intended to satisfy the need, created by the widespread introduction of the MKSA system of units, for a concise handbook which collects, defines, and translates all the important units of international measurement. In the first part of the book, some 300 international unit terms, listed in their original forms, are defined with reference to standard units and rendered into ten leading languages (English/American, French, Spanish, Italian, Swedish, German, Dutch, Japanese, Polish, and Russian). In the second part, national or local units, current in about sixty-nine countries, are converted into their equivalent values according to the US, British, and decimal systems. An alphabetical subject index completes the work. The book, due to be published this month, is about 135 pages long, contains 921 terms, and is priced at $4.95.

Radio Therapy

Two handbooks presenting the ICRU recommendations developed at the Commission's meeting in Montreux, Switzerland, in April 1962 have been issued by the National Bureau of Standards.

Clinical Dosimetry: Recommendations of International Commission on Radiological Units and Measurements, NBS Handbook 87 (40¢), seeks to explain the principles underlying good radio-therapeutic techniques, in words rather than in formulae, and to make recommendations based on these principles.

Methods of Evaluating Radiological Equipment and Materials, NBS Handbook 89 (35¢), includes a revised discussion on the measurement of focal spots and new sections on grids, image intensifiers, and body section equipment.

Both publications can be ordered from the Superintendent of Docu-

ments, US Government Printing Office, Washington 25, D. C.

New Journals

The Infinity Press of New York City has begun publication of a new journal, *Russian Physics Quarterly*, whose first issue appeared in December. The quarterly is not a cover-to-cover translation of a Russian publication, but rather a selective source, "seeking out those reports and discussions which have the most immediate and general usefulness in American research laboratories." Full translations of selected articles are published.

The contents of the first number include fifteen papers, making up 166 pages of English text and representing 220 pages of the original Russian. Volume 1, number 1, is available at an introductory price of $10, and a special rate of $85 has been announced for the entire first volume. (Regular rates are $35 per single issue and $100 per volume.)

Further information is available from the International Physical Index, Inc., 1909 Park Ave., New York 35, N.Y.

Beginning in January, a national journal of radio science will be published by the National Bureau of Standards in cooperation with the US National Committee of the International Scientific Radio Union.

According to a recent NBS announcement, *Section D* of its *Journal of Research*, previously known as *Radio Propagation*, will be expanded in scope under the title, *Radio Science*, and will be issued monthly instead of six times a year as before. Plans for the publication of the new journal were made following a recent recommendation of the National Academy of Sciences pointing out the need for a journal that would serve as an outlet for reporting research in the field.

Radio Science will present research papers as well as occasional survey articles in radio propagation, communications, and radio science generally. It will serve as the principal publication channel for the research of the NBS Central Radio Propagation Laboratory and the scientific activities of the US National Committee of URSI. The journal will also carry selected papers from the NBS Radio Standards Laboratory and invited papers from authorities in the field.

C. Gordon Little, chief of the NBS Central Radio Propagation Laboratory, has been appointed editor of the journal, and L. A. Manning of Stanford University will serve as editor for URSI.

The subscription price, according to the Bureau, will be $9 a year.

Another new quarterly, the *Journal of Sound and Vibration*, will be published by Academic Press. Edited by P. E. Doak of the Faculty of Engineering of the University of Southampton, the journal will publish reports of new work, invited review articles on problems of current interest, brief notes and comments (letters to the editor), book reviews, and announcements of scientific meetings and other coming events.

The first issue is expected to appear this month. Subscription rates for volume 1 (4 issues) are $18 for institutions and $12 for individuals, plus $1 for postage in each case. Prospective subscribers should write to Academic Press, 111 Fifth Ave., New York, N.Y., 10003.

Conference Proceedings

The University of California Press has announced publication of the proceedings of the Third Conference on Reactions Between Complex Nuclei, held at Asilomar, Calif., in April 1963.

Editors for the 67 papers and discussions making up the 480-page volume are Albert Ghiorso, R. M. Diamond, and H. E. Conzett. Topics covered include elastic and inelastic scattering; stripping, pickup, nucleon transfer, and compound nucleus reactions; effects of high angular momentum; Coulomb excitation; and nuclear spectroscopy.

Copies are available from the University of California Press, Berkeley, Calif., for $17 each.

Papers presented at a conference on wave interaction and dynamic nonlinear phenomena in plasmas, which took place in February 1963 at the Pennsylvania State University, are now