

PUBLISHING NEWS

New Physics Dictionary

The Macmillan Company of New York has completed publication of its eight-volume *Encyclopaedic Dictionary of Physics*. The work was prepared under the direction of J. Thewlis of Harwell, its editor-in-chief, who coordinated the efforts of over 3500 scholars from seventeen countries; he was assisted by associate editors R. C. Glass of London, A. R. Meetham of Teddington, and the late D. J. Hughes of Brookhaven. The *Dictionary* aims at covering not only physics proper but also such related fields as mathematics, astronomy, metrology, and crystallography, as well as other areas of applied physics.

In general, the articles are of graduate or near-graduate standard, with maximum length between 2000 and 3000 words. Though they are not written primarily for specialists, a few that are mainly theoretical or mathematical in character are on a more advanced level. Each is self-contained, with cross references and bibliographies provided for readers who want to follow a subject further. The author's name is given in full at the foot of each article, except for a few short pieces written by the staff of the *Dictionary*. Volume eight of the set contains the subject and author indexes of the 15 000 terms discussed in the seven previous volumes.

Further information regarding the *Dictionary* can be obtained from the Macmillan Company, 60 Fifth Avenue, New York, N.Y. 10011.

Conference Proceedings

The third and final part of the published proceedings of the Conference on Plasma Physics and Controlled Nuclear Fusion Research, held in Salzburg in 1961, is now available.

The gathering was held under the auspices of the International Atomic Energy Agency, and the proceedings are being issued as the 1962 supplement to the IAEA quarterly, *Nuclear Fusion*. Part 3 contains 29 papers, 14 of which are in English, 11 in Russian,

and 4 in French, with all abstracts in English. Orders for Part 3, as well as for Parts 1 and 2, can be sent to the National Agency for International Publications, 317 East 34 Street, New York, N.Y. 10016. Each volume is priced at \$10.

Also obtainable from the National Agency for International Publications is the last section of papers and discussions from the Symposium on Radiation Damage in Solids and Reactor Materials, held by the IAEA at Venice in May, 1962. The four sections of the work deal with radiation damage in fissionable materials, in ceramic nuclear fuel, in graphite, and in beryllium oxide. Of the thirty papers presented, all are in English except for seven in French and one in Russian. The price of the publication is \$15.

A limited edition of *Proceedings of the Second Eastern Theoretical Physics Conference*, held in October, 1963 at the University of North Carolina, is now available. The volume includes most of the invited talks and all of the twenty papers contributed to the conference. Copies can be obtained by writing to E. Merzbacher, Department of Physics, University of North Carolina, Chapel Hill, N. C.

Dielectric Digest

A comprehensive international digest of technical publications on the theory and applications of dielectrics and related subjects is published annually by the Conference on Electrical Insulation, National Academy of Sciences. The *1962 Digest of Literature on Dielectrics*, edited by Daniel Berg of the Westinghouse Electric Corporation contains summaries and critical evaluations of technical advances which were described in periodicals and books in 1962. It consists of eleven chapters, each with an extensive bibliography, on the following subjects: instrumentation and measurements; tables of dielectric constants, dipole

moments and dielectric relaxation times; molecular and ionic interactions in dielectrics; conduction phenomena in solid dielectrics; the breakdown of dielectrics; ferroelectric and piezoelectric materials; insulating films; fibrous materials; high polymeric materials; liquid dielectrics; solid inorganic insulation; applications.

Copies can be obtained, at \$15 each, from the Conference on Electrical Insulation, National Academy of Sciences, 2101 Constitution Ave., Washington 25, D. C.

Bibliographies

Two new selective bibliographies listing recent translations of Japanese and Chinese science and technology studies are now available from the Office of Technical Services, Washington, D. C. 20230, at 10¢ a copy.

Japanese Science and Technology, (SB-477, Suppl. 1), lists 1164 translations added to the OTS collection during the period July 1961 through August 1963. *Chinese Mainland Science and Technology* (SB-442, Suppl. 1), lists 555 translations added to the OTS collection from March 1961 through August 1963.

Reactor Safety

The Atomic Energy Commission has published a 134-page reference booklet, *Reactor Safety — A Literature Search (TID-3525) (Rev. 5)*, which is available from the Office of Technical Services, U. S. Department of Commerce, Washington, D. C. 20230, for \$2.50. Included in the publication are 1906 references to unclassified reports and published literature on reactor systems, materials, operations designed to provide maximum safety for the reactor, reactor personnel and environs, reports on incidents, and conditions of operation considered hazardous. The publication also contains author and availability indexes, and a list of the Commission's depository libraries where the reports are on file.