

PUBLISHING NEWS

Reactor directory

The International Atomic Energy Agency has published Volume 5 of its *Directory of Nuclear Reactors* under the subtitle, *Research, Test, and Experimental Reactors*. A continuation of Volumes 2 and 3, Volume 5 gives data on a number of new reactors of the cited types.

The information presented for each reactor begins with general information, reactor physics data, and core and fuel-element details. Subsequently, diagrams of the fuel element and sections of the reactor are provided, together with data on core heat transfer, control, reactor vessel and overall dimensions, reflector and shielding, and containment and cost estimate. A table of research and experimental facilities and a simplified diagram and data on fluid flow are given. The description of each reactor concludes with a bibliography and remarks. Seventy-eight reactors are included.

The volume is clothbound, 326 pages long, and costs \$7. It can be ordered from the National Agency for International Publications, 317 East 34th St., New York, N. Y. 10016.

Conversion factors

A pocket-size "Conversion Factors" guide, designed as an aid in the quick conversion of measuring units from one system to another, has been published by Referred Chemistry, Inc., 12926 Saticoy, North Hollywood, Calif. The 16-page booklet contains over 900 factors used for conversion, ranging from abcoulombs into statcoulombs to yards into millimeters. A free copy is available from the publisher upon request.

Nuclear spectroscopy

Nuclear Spectroscopy with Direct Reactions, Volume 2, Proceedings, has been published as Argonne National Laboratory Report ANL-6878. The volume contains the invited papers of a symposium held under Argonne

sponsorship at the University of Chicago from March 9 to 11, 1964. Volume 1 of the same title, containing contributed papers of the symposium, was published earlier and is now out of stock.

Volume 2, which was edited by Francis E. Throw, contains twenty-five papers and is 530 pages long. It is available for \$5.50 (paperbound) from the Clearinghouse for Federal Scientific and Technical Information, National Bureau of Standards, US Department of Commerce, Springfield, Va.

Galaxy and Magellanic Clouds

The Australian Academy of Science has published the proceedings of an IAU-URSI symposium which convened at Canberra and Sydney between March 18 and 28, 1963. The contents are concerned with the Southern Milky Way and the Magellanic Clouds and include 77 papers by fifty optical and radio astronomers from various parts of the world.

The 404-page book is available from the Executive Secretary, Australian Academy of Science, Gordon St., Canberra City, A.C.T., Australia, for \$15. Remittance by check or draft should accompany the order.

Information service

The International Federation for Documentation has published *National Technical Information Services—World Wide Directory*, which was compiled for FID by the Technical Information Service of the National Research Council of Canada. The publication lists major channels in each country through which inquirers unfamiliar with the country's technical facilities can locate sources of information. Entries are listed by country and include, when known, the scope of the facility described and its working languages. The first edition is experimental, and NRC of Canada

will welcome suggestions. Copies of the 57-page booklet (FID Publ. 359) can be purchased from FID, 7 Hofweg, The Hague, Netherlands, or from Technical Information Service, NRC, Ottawa, Canada, for \$1.00 Canadian.

Gas chromatography

Plenum Press has recently published a 351-page bibliography entitled *Guide to Gas Chromatography Literature*, by Austin V. Signeur. The list was compiled to present references to the theory, methodology, and applications of the technique. It contains 7577 citations and is furnished with author and subject indexes. The book costs \$12.50.

Springer-Verlag New York

The German and Austrian scientific publishers, Springer-Verlag, have established an independent American subsidiary, Springer-Verlag New York Inc., which will serve as distributor for the parent corporation's European publications and engage in a publishing program based in New York.

The first books under the imprint of Springer-Verlag New York are scheduled to appear in the spring of this year. Announced titles include: *Atlas and Glossary of Primary Structures*, by F. J. Pettijohn and P. E. Potter; *Coding Theorems of Information Theory* by J. Wolfowitz; and *Structure of Matter* by W. Finkelburg. The new subsidiary will also take over distribution of *Residue Reviews* for the US and Canada.

The offices of Springer-Verlag New York are located at 175 Fifth Ave., New York, N.Y. 10010.

Nuclear data

The proceedings of last year's Conference on the Automatic Acquisition and Reduction of Nuclear Data have recently been published by the

Gesellschaft für Kernforschung mbH of Karlsruhe, Germany. Organized jointly by the European-American Nuclear Data Committee and the Gesellschaft für Kernforschung, the meeting took place at Karlsruhe between July 13 and 16, 1964.

The book was edited by K. H. Beckerts, W. Gläser, and G. Krüger of the Kernforschungszentrum Karlsruhe and contains all 65 contributed papers, as well as a summary of the conference by W. W. Havens, Jr. It is paperbound, 570 pages long and may be purchased for DM 15 (about \$3.75) from Literaturabteilung, Kernforschungszentrum Karlsruhe, Postfach 947, Karlsruhe, Germany.

Solar flares

The proceedings of the Symposium on the Physics of Solar Flares, sponsored by the American Astronomical Society and the National Aeronautics and Space Administration, which was held October 28-30, 1963, at the Goddard Space Flight Center in Greenbelt, Md., have recently been published. The 54 papers presented at the symposium are collected in one volume of 465 pages, edited by W. Hess. Thirty-six of the papers are devoted to the observation of flares and of radiation produced by them, including results obtained by satellites, and eighteen deal with related theoretical problems. The proceedings are available for \$3.25 from the Superintendent of Documents, US Government Printing Office, Washington, D. C. 20402.

High-temperature materials

The newly published Number 3 of the Plenum Press Handbooks of High-Temperature Materials is entitled *Thermal Radiative Properties*. Compiled by W. D. Wood, H. W. Deem, and C. F. Lucks, the work gives thermal radiative data for the following materials: titanium and its alloys; stainless steels; iron-, nickel-, and cobalt-base superalloys; the refractory metals (chromium, columbium, molybdenum, tantalum, and tungsten) and their alloys; coated materials for elevated-temperature service; and ceramics and graphite. The book is 470 pages long and is priced at \$17.50.