

Books of the Week

For the editorial information of our readers, books received for review are listed. For convenient purchase of any U. S. book in print, priced at 95¢ or over, send a remittance to cover retail price (postage will be paid) to Book Department, Science Service, 1719 N Street, N.W., Washington 6, D. C. Request free publications direct from publisher, not from Science Service.

ADVANCES IN CARBOHYDRATE CHEMISTRY, Vol. 14—Melville L. Wolfrom and R. Stuart Tipson, Eds.—*Academic*, 526 p., \$15. Covers the Maillard reaction, cyclitols, amino sugars, pyrimidine nucleosides and hemicelluloses.

THE APPLICATION OF GENETICS TO COTTON IMPROVEMENT—Sir Joseph Hutchinson—*Cambridge Univ. Press*, 87 p., \$3. Discusses findings of the last fifty years.

BEYOND THE MOUNTAINS OF THE MOON—The Lives of Four Africans—Edward H. Winter—*Univ. of Ill. Press*, 276 p., illus., \$5.50. Anthropologist took down verbatim the life histories of four members of the Amba tribe in a remote part of Uganda.

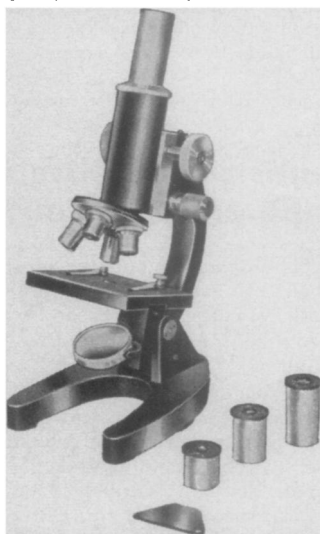
THE CHEMISTRY OF PLANT GUMS AND MUCILAGES AND SOME RELATED POLYSACCHARIDES—F. Smith and R. Montgomery—*Reinhold*, 627 p., \$18. Comprehensive monograph.

CLASSIFICATION AND INDEXING IN SCIENCE—B. C. Vickery, introd. by D. J. Foskett—*Academic*, 2nd rev. ed., 235 p., \$6.00. British study of methodology, explores modern techniques of subject analysis and mechanisms used for retrieval.

DATA BOOK ON PHYSICAL AND ENGINEERING PROPERTIES OF MATERIALS FOR NUCLEAR FUEL ELEMENTS—Henry H. Hausner—*Sylvania-Corning Nuclear Corp.*, 55 p., paper, \$1. For nuclear fuel engineers and reactor designers.

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DICTIONARY OF ATOMIC TERMINOLOGY—Lore Lettenmeyer, Ed.—*Philosophical Lib.*, 298 p., \$6. English, German, French and Italian terms in parallel columns, indexed in each language.

AN ECOLOGICAL SURVEY OF THE POTOMAC AND ANACOSTIA RIVERS WITH SPECIAL EMPHASIS ON POLLUTION: A Dissertation—Martha C. Bradley—*Catholic Univ. of Am. Press*, 33 p., illus., paper, 75¢.

ELECTROLYTIC MANUFACTURE OF CHEMICALS FROM SALT—D. W. F. Hardie—*Oxford Univ. Press*, 74 p., illus., \$1.20. British textbook.

ESSAYS IN INDIVIDUAL PSYCHOLOGY: Contemporary Applications of Alfred Adler's Theories—Kurt A. Adler and Danica Deutsch, Eds.—*Grove Press*, 480 p., \$6.50; paper, \$2.95. Essays on theoretical principles, psychotherapeutic procedures and case histories.

GERMAN SECRET WEAPONS OF THE SECOND WORLD WAR—Rudolph Lusar, transl. from German by R. P. Heller and M. Schindler—*Philosophical Lib.*, 264 p., illus., \$10. Presents technical data of German weapons development and research.

HYDROLOGY—C. O. Wisler & E. F. Brater—*John Wiley*, 2nd ed., 408 p., illus., \$9.25. Two chapters about semiarid basins and effects of snow have been added.

INTRODUCTION TO THE STUDY OF ANIMAL PARASITES AND PARASITISM—William A. Riley and Franklin G. Wallace—*Burgess*, 7th ed., 120 p., paper, \$2.75. Syllabus for students.

JOHN DEWEY: MASTER EDUCATOR—William W. Brickman and Stanley Lehrer, Eds.—*Soc. for the Advancement of Educ.*, 123 p., \$2.50; paper, \$1.95. 100th anniversary reference volume.

JOURNAL OF RESEARCH OF THE NATIONAL BUREAU OF STANDARDS: B. Mathematics and Mathematical Physics, Vol. 63B, No. 1—C. H. Page, Ed.—*NBS (GPO)*, 72 p., paper, 75¢; quarterly, \$2.25 a year.

JOURNAL OF RESEARCH OF THE NATIONAL BUREAU OF STANDARDS: C. Engineering and Instrumentation, Vol. 63C, No. 1—W. A. Wildhack, Ed.—*NBS (GPO)*, 85 p., illus., paper, 75¢; quarterly, \$2.25 a year. Reports research and development results.

KEPLER—Max Caspar, transl. from German by C. Doris Hellman—*Abelard-Schuman*, 401 p., \$7.50. Definitive biography of the astronomer, Johannes Kepler (1571-1630).

THE MANUFACTURE OF SULFURIC ACID—Werner W. Duecker and James R. West, Eds.—*Reinhold*, 515 p., illus., \$12.50. Twenty-four specialists treat aspects of the modern

sulfur burning contact plant and its modifications for other raw materials.

MEASUREMENT OF SUBJECTIVE RESPONSES: Quantitative Effects of Drugs—Henry K. Beecher—*Oxford Univ. Press*, 494 p., \$12.75. Comprehensive treatment of the measurement of pain and quantitative approach to the physiological effects of drugs.

THE NEW AMERICAN GUIDE TO COLLEGES—Gene R. Hawes, introd. by William C. Fels—*New Am. Lib.*, 256 p., paper, 75¢. Specific facts and figures on more than 2,000 colleges.

NUCLEAR FUEL ELEMENTS—Henry H. Hausner and James F. Schumar, Eds.—*Reinhold*, 409 p., illus., \$12.50. Papers of First International Symposium on Nuclear Fuel Elements held at Columbia University in 1959.

OCCUPATIONAL OUTLOOK HANDBOOK: Employment Information on Major Occupations for Use in Guidance—Bureau of Labor Statistics—*GPO*, 4th rev. ed., 785 p., illus., paper, \$4.25. To help young people in their career decisions.

PHYSICOCHEMICAL MEASUREMENTS AT HIGH TEMPERATURES—J. O'M. Bockris, J. L. White and J. D. Mackenzie, Eds.—*Academic*, 394 p., illus., \$13.50. Presentation, critical discussion, and comparison of the various techniques available for measurements at high temperatures.

THE PROTON IN CHEMISTRY—R. P. Bell—*Cornell Univ. Press*, 223 p., \$4.75. Based on lectures given at Cornell in 1958.

SCIENCE YEAR—John L. Russell, Jr.—*Pop. Mechanics*, 158 p., illus., paper, \$1. Survey of 1959 developments in science and technology.

SOVIET NUCLEAR PROPULSION (YADERNYYE DVIGATELI)—R. G. Perel'Man, transl. from Russian—*Triumph Pub. Co.*, 46 p., paper, \$2.85. See SNL, p.

THE SPECIAL THEORY OF RELATIVITY—J. Aharoni—*Oxford Univ. Press*, 285 p., \$7.20. Deals both with tensors and spinors in simple mathematical terms and explains their application in physical theories which satisfy the theory of relativity.

STYLE MANUAL: for Guidance in the Preparation of Papers Published by American Institute of Physics—*Am. Inst. of Physics*, 2nd ed., 42 p., paper, \$1.

SYSTEMATICS OF THE LAND AND FRESH-WATER MOLLUSCA OF THE NEW HEBRIDES—Alan Solem—*Chicago Nat. Hist. Mus.*, 359 p., illus., paper, \$8.50. Summarizes present knowledge.

TANTALUM AND NIOBIUM—G. L. Miller—*Academic*, 767 p., illus., \$21. First comprehensive review of the science and technology of the metals, incorporating results of latest international research.

TAXONOMY OF FLOWERING PLANTS—C. L. Porter—*Freeman*, 452 p., illus. by E. L. Gillespie, photographs, \$6.75. Introductory textbook.

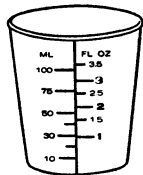
WAR FOR THE MOON—Martin Caidin—*Dutton*, 258 p., illus. by F. L. Wolff and B. Tanner, \$4.95. The story of the American and Russian lunar probes and future space plans.

WAR IN THE MODERN WORLD—Theodore Ropp—*Duke Univ.*, 400 p., \$10. A history of the political and social implications of modern warfare.

WRITING IN INDUSTRY, VOL. 1—Siegfried Mandel, Ed.—*Polytechnic Press (Plenum Press)*, 121 p., illus., \$2.75. Selected papers from conference held in 1959 at the Polytechnic Institute of Brooklyn.

YOU YOURSELF—Elizabeth Lyttleton—*Putnam*, 72 p., illus. by R. Eggers, \$2. Human physiology and anatomy for boys and girls.

Science News Letter, January 2, 1960



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