

Books of the Week

For the editorial information of our readers, books received for review since last week's issue are listed. For convenient purchase of any U. S. book in print, 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.

ASTM STANDARDS ON PLASTICS—ASTM Committee D-20 on Plastics—*American Society for Testing Materials*, 705 p., illus., paper, \$5.25. Sets forth 135 standards, including specifications, definitions, methods of testing and nomenclature for a wide range of plastics.

BUILDING AMERICA'S HEALTH — President's Commission on the Health Needs of the Nation — *Health Publications Institute*, 143 p., paper, \$1.50, cloth \$2.50. A one-volume condensation of the official five-volume report, this contains all the findings and recommendations plus summaries of the other four volumes.

CATALOG OF THE CYCLE COLLECTION OF THE DIVISION OF ENGINEERING, UNITED STATES NATIONAL MUSEUM—Smith Hempstone Oliver—*Govt. Printing Office*, 40 p., illus., paper, 40 cents. Not only a catalog, but also a history of the development and usage of cyclic vehicles from 1816 to the present time.

CHANGING MILITARY PATTERNS ON THE GREAT PLAINS: 17th Century Through Early 19th Century—Frank Raymond Secoy—*Augustin*, American Ethnological Society Monograph XXI, 112 p., \$2.75. Shows each of the various military technique patterns of the Indians of the Great Plains, with emphasis on the changes brought about by the introduction of the horse and the gun.

CHILD PSYCHOLOGY—Lester D. Crow and Alice Crow—*Barnes & Noble*, College Outline Series, 267 p., paper, \$1.50. Summary of research on the development of children from pre-birth growth through early adolescence. With review questions and answers.

CITY PLANNING IN SOVIET RUSSIA: With an Interpretative Bibliography—Maurice Frank Parkins—*Univ. of Chicago Press*, 257 p., illus., \$6.00. Reviews the development of urban planning in the U.S.S.R. from its historical, legal, economic and political aspects.

COLLEGE PHYSICS—Frederick A. Saunders and Paul Kirkpatrick—*Holt*, 4th ed., 603 p., illus., \$6.25. A thorough revision of "A Survey of Physics," this gives added emphasis to atoms and related matters.

DOING SOMETHING FOR THE DISABLED—Mary E. Switzer and Howard A. Rusk—*Public Affairs Committee*, 28 p., illus., paper, 25 cents. Shows the vast economies that can be achieved through application of modern methods of rehabilitation.

DOWN-EAST SPIRITUALS AND OTHERS—George Pullen Jackson—*Augustin*, 2nd ed., 296 p., illus., \$6.00. A collection of some 300 religious folk songs in the New England tradition, an area which the author says is the ancestral home of spirituals.

EDUCATION FOR THE TALENTED IN MATHEMATICS AND SCIENCE—Kenneth E. Brown and Philip G. Johnson — *Govt. Printing Office*, Office of Education Bul. 1952, No. 15, 34 p., paper, 15 cents. A report of a Joint Conference of the Cooperative Committee on the Teaching of Science and Mathematics of the AAAS and the U. S. Office of Education.

FUNDAMENTALS OF PHYSICAL SCIENCE: An Introduction to the Physical Sciences—Konrad B. Krauskopf—*McGraw-Hill*, 3rd ed., 694 p., illus., \$6.00. Intended for the non-science student, this provides the main facts in the fields of astronomy, physics, chemistry and geology.

GUIDES TO MEETING TOMORROW'S PRODUCTION NEEDS—M. J. Doohar, Ed.—*American Management Assoc.*, 64 p., paper, \$1.25. Contains articles on Federal Controls by Michael V. DiSalle, After Defense Spending — What? by Walter Williams, and a panel discussion on Automation to Date: Progress Toward the Push-Button Factory.

HEBREW MARRIAGE: A Sociological Study—David R. Mace—*Philosophical Library*, 271 p., \$6.00. A study of Hebrew ideas and ideals concerning sex, marriage, parenthood and family life.

INDUSTRY ENTERS THE ATOMIC AGE: Some Practical Problems in Applying Atomic Energy—M. J. Doohar, Ed.—*American Management Assoc.*, 31 p., paper, \$1.25. Articles on The Atomic Energy Industry, The Use of Radioisotopes in Manufacturing Operations, The Place of the Manufacturer in Atomic Energy and The Meaning of Atomic Energy to Industry.

LABORATORY PROBLEMS IN GENERAL CHEMISTRY—Howard Nechamkin—*Crowell*, 274 p., illus., \$2.50. Intended to prevent the college student from doing his laboratory work by "cribbing," the "unknowns" have been so selected that they may be altered easily from class to class and so that "correct" answers are not readily available in texts or handbooks.

MYTHOLOGY—Edith Hamilton—*New American Library*, 335 p., illus., paper, 50 cents. The classic stories of Greek, Roman and Norse mythology.

PRINCIPLES OF COLOR PHOTOGRAPHY—Ralph M. Evans, W. T. Hanson, Jr., and W. Lyle Brewer—*Wiley*, 709 p., illus., \$11.00. Provides a basis for understanding color photography, with main emphasis on the underlying fundamental principles and unique problems.

REFRIGERATION IN AMERICA: A History of a New Technology and Its Impact—Oscar E. Anderson, Jr.—*Princeton Univ. Press*, 344 p., illus., \$6.00. Covering the period 1750 to 1950, this shows the relation of refrigeration to our national development, records the main trends in technological progress, etc.

A REVIEW OF THE BEETLE FAMILY CEPHALOIDAE—Ross H. Arnett, Jr.—*Smithsonian Institution*, U. S. National Museum Proceedings, Vol. 103, No. 3321, 6 p., illus., paper, free upon request direct to publisher, Washington 25, D. C. Reconsiders the taxonomy, affinities, and distribution of this group.

SPIRITUAL FOLK-SONGS OF EARLY AMERICA—George Pullen Jackson—*Augustin*, 2nd ed., 254 p., illus., \$6.00. Contains 250 folk songs, each annotated with all available information on the "ancestry and progeny of text and tune."

SPRAY-TYPE DISHWASHING MACHINES—Joint Committee on Food-Equipment Standards—*National Sanitation Foundation*, 46 p., illus., paper, 50 cents. Standards set up by the NSF as to what methods of washing dishes, utensils and glasses are satisfactory from the health point of view for use in public eating places.

THE STABILITY OF ROTATING LIQUID MASSES—R. A. Lyttleton—*Cambridge Univ. Press*, 150 p., illus., \$6.50. Reaches the conclusion, contrary to Jeans' view, that the dynamical evidence is against the fission hypothesis of formation of binary systems.

STATISTICAL SUMMARY OF EDUCATION, 1949-50—Rose Marie Smith—*Govt. Printing Office*, 52 p., paper, 20 cents. An abstract (with brief interpretive comments) of data collected by the Office of Education and other agencies from over 170,000 educational institutions.

TABLE OF ARCTAN X—*Govt. Printing Office*, National Bureau of Standards Applied Mathematics Series 26, 170 p., \$1.75. This table of arctan x is believed to be the most comprehensive yet published. Applications include, in mechanics, plotting the vertical rise of a projectile.

TABLES FOR ROCKET AND COMET ORBITS—Samuel Herrick—*Govt. Printing Office*, National Bureau of Standards Applied Mathematics Series 20, 100 p., \$1.75. To prepare for the anticipated development of rocket navigation, which focuses attention on rectilinear motion in the two body problem, these tables are presented.

THE TRUE BOOK OF ANIMALS OF SMALL POND—Phoebe Erickson—*Childrens Press*, 44 p., illus., \$2.00. Follows the small animals of a pond in Connecticut through the seasons. Reading level for Grades 2 and 3.

THE VERTEBRATE FAUNA OF THE SELMA FORMATION OF ALABAMA, PARTS III & IV: The Turtles of the Family Protostegidae and The Turtles of the Family Toxochelyidae—Ranier Zangerl — *Chicago Natural History Museum*, Fieldiana; Geology Memoirs Vol. 3, Nos. 3 and 4, 306 p., illus., paper, \$6.00. Material based on the fossils found in the Mooreville Chalk of the Selma Formation.

THE WORLD OF PRIMITIVE MAN—Paul Radin—*Schuman*, 370 p., \$5.00. Describes aboriginal peoples in terms of their rational behavior and their positive achievements.

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