

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.

A-C CIRCUIT ANALYSIS—Alexander Schure, Ed.—*Rider*, 95 p., illus., paper, \$1.80. For students of technical institutes, laboratory workers and technicians.

ADVANCES IN CARBOHYDRATE CHEMISTRY: Vol. 13—Melville L. Wolfrom and R. Stuart Tipson, Eds.—*Academic*, 387 p., \$11. Contains chapters on the methyl ethers of the monosaccharides, the chemical nature of the sialic acids and the development of starch nitrate as an explosive.

THE ATOM AND THE ENERGY REVOLUTION—Norman Landsdell—*Philosophical Lib.*, 200 p.,

illus., \$6. A study of the implications of atomic energy.

THE ATTACK ON AMERICAN SCHOOLS—Hollis L. Caswell—*Teachers College*, 30 p., paper, free upon request direct to publisher, Columbia University, New York 27, N. Y. President's statement from the Annual Report, 1957-1958.

BASIC KIT OF MATHEMATICS: Geometry for the Young Scientists with The Story of Mathematics—Hy Ruchlis and Jack Engelhardt—*Harvey House*, 149 p., illus., paper, materials for creating mathematical forms, \$2.95. Contains compass, protractor, triangles, ruler and color pencils.

CAREERS AND OPPORTUNITIES IN ENGINEERING—Philip Pollack, introd. by John R. Ragazzini—*Dutton*, 140 p., illus., \$3.50. For those planning to enter the profession, the book discusses each of the branches of engineering.

COMMENTS ON REACTOR DESIGNERS AND INDUSTRIAL REPRESENTATIVES ON THE PROPOSED EXPANDED CIVILIAN NUCLEAR POWER PROGRAM—U. S. Congress, Joint Committee on Atomic Energy—*Govt. Printing Office*, 218 p., illus., paper, 55¢. Analyzes the technical progress needed to achieve economic nuclear power.

ELEMENTARY PRACTICAL ORGANIC CHEMISTRY: Small Scale Preparations, Qualitative Organic Analysis, Quantitative Organic Analysis—Arthur I. Vogel—*Longmans*, 890 p., illus., \$9.75. Complete textbook of elementary practical organic chemistry.

EXTENSIVE AIR SHOWERS—William Galbraith—*Academic*, 211 p., \$7.50. Monograph concerned with the incoming particles of great energy in cosmic radiation and their effects on the atmosphere twenty kilometers or so above the earth.

THE FOUNDATIONS OF EUCLIDIAN GEOMETRY—Henry George Forder—*Dover*, 349 p., paper, \$2. Reprint of 1927 edition.

THE GREEN FLASH AND OTHER LOW SUN PHENOMENA—D. J. K. O'Connell—*Interscience*, 192 p., photographs by C. Treusch, \$6. On the phenomenon sometimes seen at sunrise or sunset, illustrated with Vatican Observatory photographs.

AN INTRODUCTION TO THE GEOMETRY OF N DIMENSIONS—D. M. Y. Sommerville—*Dover*, 196 p., paper, \$1.50. Reprint of 1929 first edition.

LANGUAGE AND PSYCHOLOGY—Samuel Reiss—*Philosophical Lib.*, 299 p., \$3.75. On the nature of the language creating process and its relation to the communication of meaning.

ON THE STRENGTH OF CLASSICAL FIBRES AND FIBRE BUNDLES—B. D. Coleman—*Mellon Institute*, 11 p., paper, free upon request direct to publisher, 4400-5th Ave., Pittsburgh 13, Pa.

PLANT HUNTERS—Frances L. Jewett and Clare L. McCausland—*Houghton*, 230 p., illus. by René Martin, \$3. Describes the hazards and successes experienced by men whose lives were dedicated to the introduction and development of new plants.

PROCEEDINGS OF A CONFERENCE ON RESEARCH AND DEVELOPMENT AND ITS IMPACT ON THE ECONOMY—Nat. Science Foundation, introd. by Jacob Perlman—*Govt. Printing Office*, 223 p., paper, \$1.25. Conference investigated the relationship between research and development and the economic vitality of the U. S. economy.

RAYS: Visible and Invisible—Fred Reinfeld—*Sterling*, 204 p., illus., \$3.50. For the general reader.

ROCKET PROPELLANTS—Francis A. Warren—*Reinhold*, 218 p., illus., \$6.50. Basic information on both solid- and liquid-rocket fuel development.

SCREENING PROCEDURES FOR EXPERIMENTAL CANCER CHEMOTHERAPY—C. Chester Stock, Ed.—*N. Y. Acad. of Sciences, Annals*, Vol. 76, Art. 3, 561 p., illus., paper, \$5. Review of the state of knowledge in the field of anti-cancer screening.

SPRING FLOWERS OF THE LOWER COLUMBIA VALLEY—Clara Chapman Hill—*Univ. of Wash. Press*, 164 p., illus. by Mary Comber Miles, \$3. A regional handbook on spring-blossoming wildflowers and shrubs.

TRIGONOMETRY—Dorothy Rees and Paul K. Rees—*Prentice-Hall*, 318 p., illus., \$3.95. Alternates numerical and analytical work, each chapter followed by summary and exercises.

UNITED STATES COAST PILOT 5: Gulf Coast, Puerto Rico and Virgin Islands—H. Arnold Karo, Dir.—*Coast and Geodetic Survey*, 4th ed., 286 p., \$2.50. Supersedes two 1949 editions in separate volumes.

URBAN RESEARCH IN HIGHWAY PLANNING—Paul C. Watt and others, introd. by Wilfred Owen—*Highway Res. Bd.*, Bull. 190, 40 p., illus., paper, 80¢. A study of how traffic and transportation affect the economic and social development of urban areas.

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