

Books of the Week

For the editorial information of our readers, books received for review are listed. For convenience 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.

ANXIETY IN ELEMENTARY SCHOOL CHILDREN: A Report of Research—Seymour B. Sarason and others—*Wiley*, 351 p., \$7.75. Reports on six-year study at Yale of the effect of anxiety on the test performance of children.

THE BIOLOGY OF MARINE ANIMALS—J. A. Colin Nicol—*Interscience*, 707 p., illus., \$14. Deals with major physiological activities, such as water-balance, respiration and luminescence, of different animals on a comparative basis.

BRITAIN'S SCIENTIFIC AND TECHNOLOGICAL MANPOWER—George Louis Payne—*Stanford Univ. Press*, 466 p., \$8.50. Survey of postwar developments in Britain with projections of future needs, prepared for the President's Committee on Scientists and Engineers.

CHEMISTRY FOR ENGINEERS: An Introductory Course—Edward Cartmell—*Butterworths (Canada)*, 172 p., illus., \$5. Intended as background study for all branches of engineering.

COMPARATIVE BIOCHEMISTRY: A Comprehensive Treatise, Vol. II: Free Energy and Biological Function—Marcel Florin and Howard S. Mason, Eds.—*Academic*, 685 p., \$20. Critical summary of present knowledge in the field.

CREATURES OF THE NIGHT—Dorothy Sterling—*Doubleday*, 125 p., illus. by Winifred Lubell, \$2.95. Introduces children to the habits of beetles, moths and crickets.

DIRECT CONVERSION OF HEAT TO ELECTRICITY—Joseph Kaye and John A. Welsh, Eds.—*Wiley*, unpagged, illus., \$8.75. Collection of papers discussing thermionic engines, magneto-hydrodynamic converters, semiconductor devices and fuel cells.

EBB AND FLOW: The Tides of Earth, Air, and Water—Albert Defant—*Univ. of Mich.*

Press, 121 p., illus., paper, \$1.95. Describes what tides are, how they work, and why.

ELECTROMAGNETIC WAVES—Robert Irving—*Knopf*, 144 p., illus. by L. E. Fisher, \$3. Young scientist's introduction to visible and invisible rays.

ELEMENTARY STATISTICS—Paul G. Hoel—*Wiley*, 261 p., \$5.50. One-semester course presenting fundamental ideas of statistical methods.

ELIZABETH GARRETT, M.D.—Jo Manton—*Abelard-Schuman*, 159 p., \$3. Juvenile biography.

ENGINEERING THERMODYNAMICS: An Introductory Textbook—James B. Jones and George A. Hawkins—*Wiley*, 724 p., \$8.50. Textbook for undergraduate engineering students.

HIGHWAY ACCIDENT STUDIES—R. C. Blensly and others—*Highway Res. Bd.*, Bull. 240, 56 p., paper, \$1. Contains five papers on accident analysis.

INCENTIVE: How the Conditions of Reinforcement Affect the Performance of Rats—Frank A. Logan—*Yale Univ. Press*, 288 p., \$6. Exploratory research on how behavior is affected by the way rewards are given.

INSTINCTIVE LIVING: A Study of Invertebrate Behaviour—Theodore Savory—*Pergamon*, 90 p., illus., \$3. Concerned with the interpretation of the actions of invertebrate animals in general and spiders in particular.

AN INTRODUCTION TO STATISTICAL THERMODYNAMICS—Terrell L. Hill—*Addison-Wesley*, 508 p., \$9.75—Text for courses in chemistry or physics on the advanced undergraduate-graduate level.

MEDICAL FEE GUIDE: A Service of the Medical Reference Bureau—*Medical Fee Guide Publication*, 563 p., \$20. Lists fees for medical services, surgery, radiology and pathological examinations at Workmen's Compensation, Medicare and Blue Shield rates.

NATIONAL INTERESTS IN ANTARCTICA: An Annotated Bibliography—Robert D. Hayton—*U.S. Antarctic Projects Officer (GPO)*, 137 p., map, paper, \$1.25. Contains 1168 entries of official publications, books, pamphlets and articles from 27 nations.

THE NAVY BLUE BOOK, Vol. I—Tom Compere, Ed.—*Bobbs*, 374 p., illus., \$4.95. Handbook on modern developments in the U.S. Navy with list of Navy facts.

PALMS OF THE WORLD—James C. McCurrach, foreword by W. H. Hodge—*Harper*, 290 p.,

400 photographs, \$17.50. Introduction and reference to the known genera of palms throughout the world, giving characteristics of individual species, their origin and cultivation.

THE PHARMACOPEIA OF THE UNITED STATES OF AMERICA (The United States Pharmacopeia) XVI—U.S. Pharmacopeial Convention, Committee of Revision—*Mack Pub. Co.*, 16th rev. ed., 1148 p., \$10. Official from October 1960, contains 908 monographs on drug standards, descriptions of general tests and reagents, and new admissions.

PLANET EARTH—Karl Stumpff—*Univ. of Mich. Press*, 191 p., illus., paper, \$1.95. Explains the earth's origin, movements, structure, size and shape, and its place among the stars.

POLYESTER RESINS—John R. Lawrence—*Reinhold*, 251 p., illus., \$5.75. Chemistry and applications of unsaturated polyester resins, widely employed in reinforced plastics.

THE POWERFUL CONSUMER: Psychological Studies of the American Economy—George Katona—*McGraw*, 276 p., \$6.50. Sets forth findings on consumer behavior and its relation to psychological factors, based on data obtained through quantitative research.

RADIO-CONTROL FOR MODEL BUILDERS—William Winter—*Rider*, 220 p., illus., paper, \$4.25. Instructions for the model hobbyist.

THE ROCKETS' RED GLARE: The Challenge of Outer Space—Mortimer W. Lawrence—*Coward-McCann*, 121 p., photographs, \$2.75. Shows young people why rockets work, and how we prepare for space flight.

SCIENTIFIC CAREERS IN THE AGRICULTURAL RESEARCH SERVICE—Agricultural Research Service—*GPO*, 37 p., illus., paper, 35¢. Description of objectives and accomplishments of the Service with information about career opportunities.

SHELLS ARE WHERE YOU FIND THEM—Elizabeth Clemons—*Knopf*, 87 p., illus. by Joe Gault, \$2.75. Easy-to-use book for the beginning shell collector.

SPECIAL FUNCTIONS—Earl D. Rainville—*Macmillan*, 365 p., \$11.75. Treats more than 50 special functions, for mathematicians, physicists, engineers and chemists.

THE SUN—Karl Kiepenheuer—*Univ. of Mich. Press*, 160 p., illus., paper, \$1.95. Emphasizes and illustrates the peculiarities of the sun for the general reader.

SYSTEMS PRELIMINARY DESIGN—Joseph J. Jerger—*Van Nostrand*, 625 p., \$14.75. Covers at length the various interrelationships that exist in the preliminary systems design of a guided missile, and shows how they may be integrated for a given performance specification.

T. H. HUXLEY: Scientist, Humanist and Educator—Cyril Bibby, forewords by Sir Julian Huxley and Aldous Huxley—*Horizon Press*, 330 p., illus., \$5. Story of Huxley's career mainly as an educator, based on original material.

WORD FINDER—Ruth I. Anderson, Lura Lynn Straub and E. Dana Gibson—*Prentice-Hall*, 244 p., \$1.80. Spelling, accent and syllabication reference.

YOU AND SCIENCE: Science for Better Living—Paul F. Brandwein and others—*Harcourt*, new ed., 702 p., illus., \$4.84. Juvenile general science course brought up to date.

Science News Letter, May 21, 1960

HEAR GERMAN POETRY!

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