

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.

AMERICA'S RESOURCES OF SPECIALIZED TALENT: A Current Appraisal and a Look Ahead—Dael Wolfe—*Harper*, Report of the Commission on Human Resources and Advanced Training, 332 p., illus., \$4.00. Assessing the present supply of trained specialists, demands, now and in the future, and the potential supply for the future.

ANIMAL CYTOLOGY AND EVOLUTION—M. J. D. White—*Cambridge University Press*, 2d ed., 454 p., illus., \$8.50. Discussing the bearing of nuclear or chromosomal cytology on the mechanism and processes of evolution.

ANIMAL FORM AND FUNCTION: An Introduction to College Zoology—W. R. Breneman—*Ginn*, 488 p., illus., \$6.00. Synthesizing the type and topical approaches to the subject into a unified, fundamental treatment.

ANNUAL REPORT OF THE BOARD OF REGENTS OF THE SMITHSONIAN INSTITUTION: Showing the Operations, Expenditures, and Condition of the Institution for the Year Ended June 30, 1953—Leonard Carmichael, Secretary—*Govt. Printing Office*, 481 p., illus., \$3.75. The appendix, which is the larger part of the book, contains a selection of papers covering a wide range of current scientific research.

THE ART AND TECHNIQUE OF STEREO PHOTOGRAPHY—Peter Gowland—*Crown*, 128 p., illus., \$2.95. Telling how to take 3-D still pictures with special stereo cameras or with your own ordinary camera.

BUSINESS OPPORTUNITIES IN ATOMIC ENERGY: Proceedings of a Meeting for Members and Guests, March 15 and 16, 1954, New York—Oliver Townsend and Edwin Wiggin, Eds.—*Atomic Industrial Forum, Inc.*, 205 p., illus., paper, \$6.00. Describing the atomic energy materials available for industrial use, potential uses of atomic energy, Government services available, and products required.

CAREERS AND OPPORTUNITIES IN SCIENCE: A Survey of All Fields—Philip Pollack with an introduction by Harlow Shapley—*Dutton*, 252 p., illus., \$3.75. Inspiring young people to prepare themselves to fill the world's need for scientists and teachers of science.

DEVELOPMENTAL ANATOMY: A Textbook and Laboratory Manual of Embryology—Leslie Brainerd Arcy—*Saunders*, 6th ed., 680 p., illus., \$9.50. In this new edition an attempt has been made to review the world literature on the subject since 1943, particularly as it affects human development.

A DICTIONARY OF LINGUISTICS—Mario A. Pei and Frank Gaynor—*Philosophical Library*, 238 p., \$6.00. An alphabetical list of the names of languages from Abakan to Zyrien, and technical terms used by students of linguistics, philology and grammar.

EXPLORING OUR NATIONAL PARKS AND MONUMENTS—Devereux Butcher—*Houghton Mifflin*, 4th ed., 288 p., illus., \$4.50. A lavishly illustrated book by the editor of National Parks Magazine.

FLASH! Seeing the Unseen by Ultra High-Speed Photography—Harold E. Edgerton and James R. Killian Jr.—*Charles T. Branford Co.*, 2d ed., 215 p., illus., \$6.50. Revealing the movements of a bird and a bat in flight, the deformity of a golf ball as the golfer strikes it, the successive movements of a girl skipping rope, and other secrets hidden from the slow human eye.

THE FUNDAMENTALS OF ELECTRIC LOG INTERPRETATION—M. R. J. Wyllie—*Academic*, 126 p., illus., \$3.60. Directed to the oil well geologist and mud engineer as well as to their juniors still in college.

GAINS FOR HANDICAPPED CHILDREN—Herbert Yabraes—*Public Affairs Committee*, Public Affairs Pamphlet No. 212, 28 p., illus., paper, 25 cents. To let parents and other interested persons know what can be done for the crippled or disabled child, this booklet was prepared in cooperation with the Association for the Aid of Crippled Children.

THE GIFT: Forms and Functions of Exchange in Archaic Societies—Marcel Mauss, translated by Ian Cunison with an introduction by E. E. Evans-Pritchard—*Free Press*, 130 p., \$2.50. The author points out that the exchange of gifts had a social value lost to us with the development of our modern economic system.

INVENTORIES OF APPARATUS AND MATERIALS FOR TEACHING SCIENCE: Volume III Technical Colleges, Part 4 Electrical Engineering—UNESCO (*Columbia University Press*), 147 p., paper, \$2.75. For the guidance of those who are building up or restoring teaching facilities for science.

MANUAL FOR LABORATORY WORK IN MAMMALIAN PHYSIOLOGY—Fred E. D'Amour and Frank R. Blood—*University of Chicago Press*, rev. ed., 60 experiments, illus., paper, \$4.00. Describing 60 experiments in which the rat is used exclusively as a laboratory animal, thus demonstrating the wide usefulness of this convenient animal and simplifying the problem of laboratory animal supply.

MONOMERIC ACRYLIC ESTERS—E. H. Riddle—*Reinhold*, 221 p., illus., \$5.00. Providing a background of information for those working with these esters on a laboratory, pilot plant or commercial scale.

PAPER CHROMATOGRAPHY—Friedrich Cramer, translated by Leighton Richards—*Macmillan (St. Martin's)*, 2d ed., 124 p., illus., \$5.00. Introducing methods for separating substances by this new technique and giving its theoretical background.

PLANT REGULATORS IN AGRICULTURE—H. B. Tukey, Ed.—*Wiley*, 269 p., illus., \$5.50. Intended for the county agricultural agent and other advanced students of plant life, this book

provides not only practical advice but underlying principles.

A PRACTICAL MANUAL OF EFFECTIVE SUPERVISION—C. A. Turner—*Julian Press*, 296 p., illus., \$5.00. Bringing to bear modern psychology, general semantics and engineering principles.

PRACTICAL PHYSIOLOGICAL CHEMISTRY—Philip B. Hawk, Bernard L. Oser and William H. Summerson—*Blakiston*, 13th ed., 1439 p., illus., \$12.00. Symbol of the attempt of the authors to keep this standard text up-to-the-minute is the replacement of the traditional frontispiece showing absorption spectra of blood pigments by a chromatogram of a protein hydrolyzate.

READINGS IN GENERAL PSYCHOLOGY—Lester D. Crow and Alice Crow, Eds.—*Barnes & Noble*, 437 p., illus., paper, \$1.75. Bringing together for students brief selections from the writings of psychologists on a wide variety of topics in the field.

REDUCING TOOL AND TOOL SERVICE COSTS WITH A TOOL LOAN RECEIPT SYSTEM—C. A. Horst—*Virginia Polytechnic Institute*, Engineering Experiment Station Series No. 93, 31 p., illus., paper, 25 cents. How to keep records in industry of what tools you have, where they are kept, and who has them at the moment.

THE RISE AND FALL OF MAYA CIVILIZATION—J. Eric S. Thompson—*University of Oklahoma Press*, 287 p., illus., \$5.00. An archaeologist of the Carnegie Institution of Washington gives us a glimpse of daily life among the Mayas and discusses the relation of Mayan character, education and discipline to the course of their civilization.

SOVEREIGN REASON: And Other Studies in the Philosophy of Science—Ernest Nagel—*Free Press*, 315 p., \$5.00. A collection of 16 essays written on different occasions, but dealing with related problems having to do with the content or method of modern science.

SPEED, SPEED, SPEED: Stories of Races and Chases in Hot Rods and Jets, Trains and Planes, Submarines and Speedboats—Selected by Phyllis R. Fenner—*Franklin Watts*, 246 p., illus., \$3.00. A collection of fast-moving short stories dealing with the theme of speed.

THE STORY OF MY LIFE: With Her Letters and a Supplementary Account of Her Education, Including Passages From the Reports and Letters of Her Teacher, Anne Mansfield Sullivan, by John Albert Macy—Helen Keller, introduction by Ralph Barton Perry—*Doubleday*, 4th ed., 382 p., illus., \$3.95. This remarkable book, first published in 1902, tells the story of the development and education of a talented woman who, without either vision or hearing, learned to live and help others.

THE STRENGTHS OF CHEMICAL BONDS—T. L. Cottrell—*Academic*, 310 p., illus., \$5.50. An attempt to give an account of the methods and results of the experimental investigation of the strengths of chemical bonds as an introduction to anyone about to start research on this subject.

SYMPOSIUM ON PROBLEMS OF GERONTOLOGY—F. H. Bethell and others—*National Vitamin Foundation*, 141 p., illus., paper, \$2.50.

TO HIDDEN DEPTHS—Captain Philippe Tailiez—*Dutton*, 188 p., illus., \$5.00. The commander of the Undersea Research Group of the French Navy describes modern explorations under the waters of the earth. Illustrated by beautiful photographs, some in color.

WOOL: ITS CHEMISTRY AND PHYSICS—Peter Alexander and Robert F. Hudson—*Reinhold*, 404 p., illus., \$10.00. Intended for the use of scientists engaged on research on protein fibers and for practical workers in the wool industry. The authors are English textile chemists.

Science News Letter, October 2, 1954

EDUCATIONAL ELECTRIC MOTOR
Quantity Prices for Schools



Real Electric Motor in kit form. All parts except battery. Fun to build, fun to run. Build in 15 minutes without tools. Over 1,000,000 sold for home & classroom use. Practical & simple way to learn principles of electricity, magnetism, how motor operates, and how electricity is generated. 6000 r.p.m. Every part precision made for easy assembly. Die-cut baseboard. Runs on No. 6 dry cell or flashlight cells. Schools, clubs, camps, Army & Navy programs use them. Each 35¢, 10 or more, 28¢ ea. 100 or more, 25¢ ea. World of Adventure, Dept. 113, Ann Arbor, Mich.

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