

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.

ADVENTURING WITH BEEBE: Selections from the Writings of William Beebe—*Viking*, 282 p., photographs, paper, \$1.25. Tales by a world-renowned naturalist.

AIR ALL AROUND—Tillie S. Pine and Joseph Levine—*Whittlesey House*, 48 p., illus. by Bernice Myers, \$2.50. Simple science facts and experiments for youngest readers.

ANALYSTS POCKET BOOK—J. R. Majer—*Butterworths (Canada)*, 100 p., \$3.50. Quantitative information in compact form.

ASTM STANDARDS ON METALLIC-COATED IRON AND STEEL PRODUCTS: Zinc-Coated Sheets, Hardware, Wire, Strands, Fencing, and Pipe Aluminum-Coated Products, Terene-Alloy-Coated Sheets—ASTM Committee A-5—*Am. Soc. for Testing Materials*, 164 p., illus., \$3.50.

ASTM STANDARDS ON METHODS OF ATMOSPHERIC SAMPLING AND ANALYSIS: Methods of Testing, Recommended Practices, Definitions—ASTM Committee D-22—*Am. Soc. for Testing Materials*, 102 p., illus., \$2.25.

BECOMING: Basic Considerations for a Psychology of Personality—Gordon W. Allport—*Yale Univ. Press*, 106 p., paper, 95¢. Reprint of 1955 edition.

THE BEGINNER'S BOOK OF POTTERY, Part 1: Coil and Slab Pottery, Part 2: Throwing, Casting, Decorating and Firing—Harold Powell—*Emerson*, 64 p. each, illus., \$2.50 each. Amply

illustrated, teaches youngsters an art known to man since prehistoric days.

BIBLIOGRAPHY OF THE DOG—Marcus M. Mason—*Iowa State Univ. Press*, 405 p., \$6. 12,369 references on naturally occurring diseases of the dog, and advanced physiologic and pathologic studies.

BIOLOGY—Elsbeth Kroeber, Walter H. Wolff and Richard L. Weaver—*Heath*, rev. ed., 646 p., illus., \$5.32. High school text with emphasis on out-of-doors biology.

BIOLOGY OF THE PLEUROPNEUMONIALIKE ORGANISMS—John B. Nelson, Ed.—*N.Y. Acad. of Sciences, Annals*, Vol. 79, Art. 10, 453 p., illus., paper, \$5. Explains the pathogenic importance of the organism of contagious bovine pleuropneumonia in certain parts of the world.

THE BOYS' BOOK OF HOW THINGS ARE MADE—Leslie Hunter—*Roy Pubs.*, 144 p., illus., \$3. The story of modern technological advances in power, metals, textiles and plastics, abundantly illustrated.

CALCULUS AND ANALYTIC GEOMETRY—George B. Thomas, Jr.—*Addison-Wesley*, 3rd ed., 1010 p., \$9.75. For students of science and engineering, text suitable for courses up to three semesters.

CAREERS AND OPPORTUNITIES IN PSYCHOLOGY—Juvenal L. Angel—*World Trade*, 26 p., paper, \$1.25. Describes nature of work, specializations, training, remuneration and help in financing graduate training.

CHILDREN OF THEIR FATHERS: Growing up among the Ngoni of Nyasaland—Margaret Read—*Yale Univ. Press*, 176 p., photographs, \$4.75. Anthropologist's observations of children growing up in a Ngoni village, from birth to maturity.

DARWIN OF THE BEAGLE—Bein Dibner—*Burndy Lib.*, 73 p., illus., \$3.50; paper, \$2.50. Story of Darwin's journey, stressing his formative years and the detailed observations of the young scientist.

DIRECT CURRENT ELECTRICITY: Franklinian Approach—Alexander Efron—*Rider*, 91 p., illus., paper, \$2.25. Electro-chemistry, electrical measuring instruments, electricity and heat, and induced electromotive force.

ELECTRONIC COMPUTERS: Principles and Applications—T. E. Ivall—*Philosophical Lib.*, 2nd ed., 263 p., illus., \$15. New chapters deal with analogue computer circuits, programming of digital computers, and evolution of "intelligent" machines.

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ENGLISH FOR THE ACADEMICALLY TALENTED STUDENT IN THE SECONDARY SCHOOL—Aldo Jewett, Ed.—*Nat. Educ.*, 128 p., paper, \$1. Committee report of the National Council of Teachers of English.

EXCAVATIONS IN THE UPPER LITTLE COLORADO DRAINAGE, EASTERN ARIZONA—Paul S. Martin and John B. Rinaldo—*Chicago Nat. Hist. Mus.*, 127 p., illus., paper, \$4. Report on the archaeology of the beach sites, and the artifacts and pottery found.

FOUNDATIONS OF THE ELECTROMAGNETIC THEORY—John R. Reitz and Frederick J. Milford—*Addison-Wesley*, 387 p., \$8.75. Textbook for courses in electricity and magnetism, on the advanced undergraduate level.

FREUD AND DEWEY ON THE NATURE OF MAN—Morton Levitt—*Philosophical Lib.*, 180 p., \$3.75. Comparison of the basic contributions of psychoanalysis and progressive education.

FUNDAMENTALS OF CHILD PSYCHIATRY—Stuart M. Finch—*Norton*, 334 p., \$5.95. For medical students, students in psychology, and related fields.

FUNDAMENTALS OF MATHEMATICS—Elbridge P. Vance—*Addison-Wesley*, 469 p., \$7.50. Presents unified treatment of the basic ideas of algebra, trigonometry, and analytic geometry, with substantial introduction to calculus.

GLAUCOMA: Transactions of Fourth Conference, March, 1959—Frank W. Newell, Ed.—*Macy*, 257 p., illus., \$8. Multiprofessional conference discussions, bibliographies included.

THE GOLDEN GARDEN GUIDE: A Practical Handbook of Gardening and Outdoor Living—John Strohm, Ed., with Ford Motor Co.—*Golden Press*, 176 p., illus., paper, \$1. Full of useful, clearly presented gardening hints for every season and region in the United States.

HENRY E. SIGERIST ON THE HISTORY OF MEDICINE—Felix Marti-Ibanez, Ed., foreword by John F. Fulton—*MD Publications*, 313 p., \$6.75. Essays and lectures by a great medical historian who was also a crusader for humanism.

HENRY E. SIGERIST ON THE SOCIOLOGY OF MEDICINE—Milton I. Roemer, foreword by James M. Mackintosh—*MD Publications*, 397 p., \$6.75. Anthology of medico-sociological articles by one of the foremost proponents of the social science aspects of medicine.

THE HORSE THROUGH THE AGES—Cecil G. Trew—*Roy Pubs.*, 75 p., illus. by author, \$2.95. Beautifully illustrated story of the development of the horse since Pleiocene days, for young people.

THE HOW AND WHY BOOK OF DINOSAURS—Darlene Geis, Paul E. Blackwood, Ed.—*Grosset*, 48 p., illus. by K. Shannon, \$1. Designed to stimulate young readers' curiosity about the extinct reptiles of long ago.

THE HOW AND WHY BOOK OF ROCKS AND MINERALS—Nelson W. Hyler, Paul E. Blackwood, Ed.—*Grosset*, 48 p., illus. by K. Shannon, \$1. Answers science-minded young readers' questions about the earth's surface.

THE HOW AND WHY BOOK OF STARS—Norman Hoss, Paul E. Blackwood, Ed.—*Grosset*, 48 p., illus. by James Ponter, \$1. Answers children's questions about the universe.

HUMAN DEVELOPMENT—Phyllis C. Martin and Elizabeth Lee Vincent—*Ronald*, 541 p., illus. by W. A. Osburn, \$6.50. Introduction to
(Continued on p. 254)

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Books of the Week

(Continued from page 252)

human biology, including embryological and psychological material.

INACTIVATION OF VIRUSES—Ernest C. Pollard, Ed.—N.Y. Acad. of Sciences, Annals, Vol. 83, Art. 4, 247 p., illus., paper, \$5. Brings together present-day knowledge on the inactivation of viruses biologically, chemically and physically.

INDIANS OF THE PLAINS—Eugene Rachlis with John C. Ewers—*American Heritage* (Golden Press), 154 p., illus., \$3.50. Colorful story of North American Indians of the Great Plains.

AN INTRODUCTION TO ANIMAL BIOLOGY—Dale C. Braungart and Rita Buddeke—*Mosby*, 5th rev. ed., 416 p., illus., \$6.25. Text suitable for one- or two-semester course in zoology.

KETTERING: Master Inventor—Sigmund A. Lavine—*Dodd*, 173 p., photographs, \$3. Biography of an imaginative engineer and scientist.

LEADERSHIP AND CULTURAL CHANGE IN PALAU—Roland W. Force—*Chicago Nat. Hist. Mus.*, 211 p., illus., paper, \$5. Study based on anthropological field work in the Palau Islands of Micronesia.

LEARNING TO TALK: A Parents' Guide for the First Five Years—Margaret C. L. Greene—*Harper*, 90 p., illus. by Jill Hassell, \$2.50. Tells what parents may expect in speech development at each age level.

THE LEGUMES OF TEXAS—B. L. Turner—*Univ. of Texas Press*, 284 p., maps, \$6. Taxonomic survey of legume species, their variability, and distribution.

THE MECHANICS OF AEROSOLS—N. A. Fuks, transl. from Russian by E. Lachowicz—*U.S. Army Chemical Warfare Labs. (OTS)*, 460 p., paper, \$7.50. Review of Russian literature on aerosols in such fields as meteorology, botany, soil conservation, nuclear physics, insecticides and industrial waste control.

THE MIND OF THE MURDERER—Manfred S. Guttmacher—*Farrar, Straus*, 244 p., \$4.50. A psychiatrist discusses case histories of murderers, expert and psychiatric testimony, and the physician's right to maintain medical secrecy. (See p. 248)

Science News Letter, April 16, 1960

Questions

CHEMISTRY—How large a percentage of the Soviet people are said to have had a 10-hour anti-air defense course? p. 243.

ROCKETS AND MISSILES—What is the size of the base of Tiros I? p. 246.

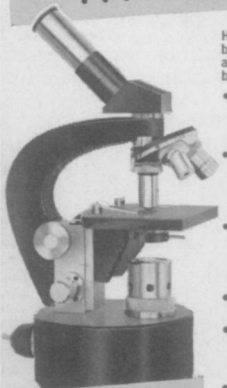
Photographs: Cover, Radio Corporation of America; p. 245, McDonnell Aircraft; p. 246, National Aeronautics and Space Administration; p. 247, Harvard University; p. 250, U.S. Fish and Wildlife Service; p. 256, Safeguard Corporation.

Do You Know

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