

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.

ANALYZING AND TRACING TV CIRCUITS—Milton S. Kiver—*Sams*, 131 p., illus., paper, \$3.00. To assist the service technician in applying his knowledge to actual work on the receiver chassis.

BISTABLE OPTICAL STORAGE SYSTEM—Alfred Milch—*Mellon Institute*, 6 p., illus., paper, free upon request direct to publisher, 4400 Fifth Ave., Pittsburgh 13, Pa. Demonstrating that, using the new principle of electro-optical feedback between the phosphorode and photocathode of a vacuum diode, a new type of storage device becomes available.

CHEMICAL SPECIFICITY IN BIOLOGICAL INTERACTIONS—Frank R. N. Gurd, Ed.—*Academic*, 234 p., illus., \$6.00. The author of the first paper in this volume of Harvard Memoirs, Dr. Edwin Cohn, died suddenly when the book was practically ready for the printer. The book reflects Dr. Cohn's lifelong interests.

COMPOSITION OF BASIC NICKEL CARBONATES—Jonathan T. Carriel and Wilbur J. Singley, Jr.—*Mellon Institute*, 5 p., illus., paper, free upon request direct to publisher, 4400 Fifth Ave., Pittsburgh 13, Pa. Bearing on the problem of catalyst preparation.

EXPLAINING THE ATOM—Selig Hecht, revised and with four additional chapters by Eugene Rabinowitch—*Viking*, 237 p., illus., \$3.75. This book was written by the late Prof. Hecht because of his belief that the basis of wisdom is knowledge and that people must understand what the atom is and can do before they can begin to solve the problems of this atomic age.

THE FRIENDLY FORESTS—Alma Chestnut Moore—*Viking*, 96 p., illus., \$2.50. A beautiful book telling about trees and forests and their importance to man.

GOING INTO SPACE—Arthur C. Clarke—*Harper*, 117 p., illus., \$2.50. Not science fiction, but a non-technical discussion by the Chairman of the British Interplanetary Society of the possibilities of interplanetary travel and the problems of building and basing a space ship.

THE IMPROVED NUT TREES OF NORTH AMERICA AND HOW TO GROW THEM—Clarence A. Reed and John Davidson—*Devin-Adair*, 404 p., illus., \$6.00. More and better nuts, Dr. J. Russell Smith suggests in an introduction, may be one of the answers to the problem of feeding our increasing world population.

MEN OF OTHER PLANETS—Kenneth Heuer—*Viking*, 160 p., illus., \$3.00. An outgrowth of the author's course at the American Museum-

Hayden Planetarium in New York. He differs from most astronomers in taking an optimistic view of the possibility of life on other worlds.

MEREDITH'S HYGIENE: A Textbook for College Students on Physical, Mental, and Social Health From Personal and Public Aspects—Arthur F. Davis and Warren H. Southworth—*Blakiston*, 5th ed., 906 p., illus., \$6.00. The practicing of good health principles, begun at an early age, will largely determine the length of life and the degree of activity that can be enjoyed, Sally Lucas Jean points out in a foreword.

THE OSCILLOSCOPE—George Zwick—*Gernsback*, 192 p., illus., paper, \$2.25. An instruction manual intended to give the operator a basic understanding of his instrument.

AN OUTLINE OF DEVELOPMENTAL PHYSIOLOGY—Chr. P. Raven, translated by L. De Ruijter—*McGraw-Hill*, 216 p., illus., \$5.50. Not a textbook but a non-technical treatment of the subject for readers with only the first elements of biology.

RADAR AND OTHER ELECTRONIC INVENTIONS—Frank Ross, Jr.—*Lothrop, Lee & Shepard*, 224 p., illus., \$3.00. Radar, which played such an important part in World War II, was only the first of a long series of revolutionary developments.

RECENT PROGRESS IN HORMONE RESEARCH: The Proceedings of the Laurentian Hormone Conference, Volume X—Gregory Pincus, Ed.—*Academic*, 511 p., illus., \$9.80. A more than usual representation of members from abroad was a special feature of this meeting.

REFERENCE BOOKS: A Brief Guide for Students and Other Users of the Library—Mary Neill Barton, Ed.—*Enoch Pratt Free Library*, 3d ed., 100 p., illus., paper, \$1.00. A list of reference materials intended to be suggestive rather than exhaustive.

RELATIVE CHRONOLOGIES IN OLD WORLD ARCHAEOLOGY—Robert W. Ehrich—*University of Chicago Press*, 154 p., illus., paper, \$2.50. Papers presented by nine scholars to a symposium of the American Anthropological Association.

ROBERTS' NUTRITION WORK WITH CHILDREN—Ethel Austin Martin—*University of Chicago Press*, 3d ed., 527 p., illus., \$7.50. Presenting in a single volume the problems of child nutrition and practical ways of dealing with them.

A SHORT TABLE FOR BESSEL FUNCTIONS OF INTEGER ORDERS AND LARGE ARGUMENTS: Prepared on Behalf of the Mathematical Tables Committee of the Royal Society—L. Fox—*Cambridge University Press*, Royal Society Shorter Mathematical Tables Number 3, 28 p., paper, \$1.25. Extending the two previous volumes of tables to cover a wider range.

Science News Letter, October 16, 1954

It is estimated that 10% of the school children in primary grades are *nearsighted*.

The age of plastics goes back to 1868 when *celluloid* was invented as a substitute for ivory in billiard balls.

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