

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.

THE AMERICANA ANNUAL 1957: An Encyclopedia of the Events of 1956—Lavinia P. Dudley and John H. Smith, Eds.—*Americana Corp.*, 900 p., illus., \$12.00. The editor believes future historians may point to 1956 as the year the world Communist movement began to crumble.

THE CIBA COLLECTION OF MEDICAL ILLUSTRATIONS: VOLUME 3, A COMPILATION OF PAINTINGS ON THE NORMAL AND PATHOLOGIC ANATOMY OF THE DIGESTIVE SYSTEM: Part III, Liver, Biliary Tract and Pancreas—Frank H. Netter, edited by Ernst Oppenheimer—*Ciba*, 165 p., illus., \$10.50. Very informative paintings of medically important conditions.

THE CONCEPT OF NATURE—Alfred North Whitehead—*University of Michigan Press*, 202 p., paper, \$1.35. Reprinted from a book first published in 1920 by the Cambridge University Press. Discussing the fundamental problems of substance, space and time.

THE ECONOMIC CONSEQUENCES OF AUTOMATION—Paul Einzig—*Norton*, 255 p., \$3.95. It is of vital importance, the author declares, for our survival as free nations, to proceed with automation with the utmost speed.

EMPLOYMENT OPPORTUNITIES FOR WOMEN MATHEMATICIANS AND STATISTICIANS—Shirley Montag—*Govt. Printing Office*, Women's Bureau Bulletin No. 262, 37 p., illus., paper, 25 cents. Mathematics is now a flourishing field and its growth has made it an opportunity-filled area for women.

ERNEST RUTHERFORD, ATOM PIONEER—John Rowland—*Philosophical Library*, 160 p., illus., \$4.75. A biography of Lord Rutherford, great British physicist known especially for his research on Hertzian waves, under-water detection of submarines and atomic physics.

EYE IRRITATION FROM IRRADIATED AUTO EXHAUST—E. A. Schuck—*Air Pollution Foundation*, Report No. 18, 85 p., illus., paper, \$3.00. Reporting part of a program to investigate the relationship between auto exhaust and eye irritation.

THE FIGHT FOR FLUORIDATION—Donald R. McNeil—*Oxford University Press*, 241 p., \$5.00. Although endorsed by leading medical and dental associations, fluoridation of public drinking water is still a subject of bitter controversy.

Here is the story of the underlying research and what all the fighting is about.

FIRST LADY OF THE SEEING EYE—MORRIS FRANK and Blake Clark—*Holt*, 156 p., illus., \$3.00. Mr. Frank is the owner who tells about the first Seeing Eye guide dog in America.

THE GROS VENTRES OF MONTANA: Part II, Religion and Ritual—John M. Cooper, edited by Regina Flannery—*Catholic University of America Press*, 491 p., illus., paper, \$5.00. The manuscript of this work was all but completed by Dr. Cooper before his death in 1949. Dr. Flannery has provided additional information in footnotes.

HERE IS HAITI—Ruth Danenhower Wilson—*Philosophical Library*, 204 p., illus., \$3.50. An account of that island republic where only Negroes live and rule and there is no racial prejudice against whites.

IGLOOS, YURTS, AND TOTEM POLES: Life and Customs of Thirteen Peoples Around the Globe—Friedrich Boer, Ed.—*Pantheon*, 124 p., illus., \$3.50. Introducing the reader to 13 boys and girls from all over the world who still live as people lived in the distant past, and telling about their everyday lives.

JOB HORIZONS FOR THE COLLEGE WOMAN—Miriam Keeler—*Govt. Printing Office*, Women's Bureau Pamphlet One, 1956, 53 p., illus., paper, 25 cents. Prepared in answer to requests. Intended to aid job counselors and students.

KANSAS ROCKS AND MINERALS—Laura Lu Tolsted and Ada Swineford—*State Geological Survey of Kansas*, 3d ed., 64 p., illus., paper, 5 cents, direct from publisher, University of Kansas, Lawrence, Kan. Descriptions of minerals together with a section on the geological history of the state.

MAN AGAINST GERMS—A. L. Baron—*E. P. Dutton*, 320 p., illus., \$4.50. Telling the exciting story of the struggle of scientific men against the major plagues.

MEDICAL SERVICES FOR RURAL AREAS: The Tennessee Medical Foundation — Willman A. Massie—*Harvard University Press* for the Commonwealth Fund, 68 p., illus., paper, \$1.25. Including a case study of the Pruden Valley, a sparsely-settled, impoverished mining area where

something was done to improve medical care for the 6,000 inhabitants.

PLANT VIRUS SEROLOGY—R. E. F. Matthews—*Cambridge University Press*, 128 p., illus., \$5.00. The serological methods first developed in medicine have proved extremely useful for identification of plant viruses and routine testing for freedom from infection.

PLANTS OF THE BIBLE—A. W. Anderson—*Philosophical Library*, 72 p., illus. with paintings in color, \$6.00. Of interest to flower lovers as well as to Bible students.

RADIOLOGICAL HEALTH HANDBOOK — Simon Kinsman and others, Eds.—*Public Health Service (Office of Technical Services)*, 355 p., illus., paper, \$3.75. Produced originally for use in connection with the training courses in radiological health at the Robert A. Taft Sanitary Engineering Center.

REACTIONS OF AUTO EXHAUST IN SUNLIGHT—F. V. Morriss and Calvin Bolze—*Air Pollution Foundation*, Report No. 19, 71 p., illus., paper, \$3.00. An attempt to find the answer to the question, how much and in what ways will automobile exhaust emissions need to be controlled in order to minimize smog?

SEE THROUGH THE JUNGLE—Millicent Selsam—*Harper*, 55 p., illus. with pictures by Winifred Lubell, \$2.50. Introducing children to the world of strange animals and plants that live in the tropical rain forest.

A SYMPOSIUM ON THE CHEMICAL BASIS OF HEREDITY: Sponsored by the McCollum-Pratt Institute of the Johns Hopkins University With Support from the Atomic Energy Commission—William D. McElroy and Bentley Glass, Eds.—*Johns Hopkins Press*, 848 p., illus., \$12.50. The symposium reported here brought together geneticists, virologists, biochemists, physiologists, biophysicists, and physical chemists to discuss this problem.

TABLES OF THE NON-CENTRAL t-DISTRIBUTION: Density Function, Cumulative Distribution Function and Percentage Points—George J. Resnikoff and Gerald J. Lieberman—*Stanford University Press*, 389 p., \$12.50. Tables with applications in both practical and theoretical statistics.

TECHNICAL DATA ON PLASTICS, February, 1957—*Manufacturing Chemists' Association*, 213 p., \$3.25. Intended to acquaint the user with the properties which characterize the various commercially available plastics.

TEXTBOOK OF POLYMER CHEMISTRY—Fred W. Billmeyer Jr.—*Interscience*, 518 p., illus., \$10.50. Text for first-year graduate courses by a research chemist with Du Pont.

THERMODYNAMICS AND STATISTICAL MECHANICS—A. H. Wilson—*Cambridge University Press*, 495 p., illus., \$9.50. Written primarily for theoretical physicists and physical chemists.

TRANQUILIZING DRUGS: A Symposium Held Under the Auspices of the American Association for the Advancement of Science in Cooperation With the American Psychiatric Association and the American Physiological Society and Presented at the Atlanta, Ga., Meeting, December 27-28 1955—Harold E. Himwich, Ed.—*AAAS*, Publication No. 46, 197 p., illus., \$5.00.

TREATISE ON MARINE ECOLOGY AND PALEOECOLOGY: Volume 2, Paleocology—Harry S. Ladd, Ed. — *Geological Society of America*, Memoir 67, 1077 p., illus., \$10.00. Telling the story that may be read from the rocks.

WALT DISNEY SECRETS OF LIFE: A True-Life Adventure—Rutherford Platt and the Staff of the Walt Disney Studio—*Simon and Schuster*, 124 p., illus. with color photographs as well as black-and-white drawings, \$2.95.

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As a Subscriber to Science News Letter

You are cordially invited to attend the

Eighth National Science Fair

Los Angeles County Museum, Los Angeles, California

More than 230 exhibits from 120 regional and state science fairs will be shown

Thursday, May 9

3:00 p.m. to 5:00 p.m.

Friday, May 10

10:00 a.m. to 5:00 p.m.

Saturday, May 11

10:00 a.m. to 5:00 p.m.

Finalists will be present only on

Saturday, from 3:00 p.m. to 5:00 p.m.