

• First Glances at New Books

Natural History—Periodicals

THE CHICAGO NATURALIST, Vol. I., No. I—*Chicago Academy of Sciences*, quarterly, free to members of the Academy. A new periodical, designed as the official organ of the Chicago Academy of Sciences. Subjects of articles in the initial number range from herpetology to bryology; the lead article, by Donald Culross Peattie, tells of spring birds and their songs in the Chicago area.

Science News Letter, July 2, 1938

Pharmacy

ACONITE—Committee on Monographs, American Pharmaceutical Association—*American Pharmaceutical Association*, 259 p., illus., \$2. First of a projected series on drugs and chemicals of pharmaceutical importance, in which treatment will be given to all aspects: botanical, chemical, pharmacognostical, pharmaceutical, pharmacological, bacteriological, and clinical. If the series is continued on the plane of this initial monograph, it will be invaluable to the profession.

Science News Letter, July 2, 1938

Botany

FLORA HAWAIIENSIS: THE NEW ILLUSTRATED FLORA OF THE HAWAIIAN ISLANDS—Otto Degener—*pub. by author, Honolulu*, Book 3, illus., \$3. Systematic botanists and plant geographers will welcome this third part of Dr. Degener's pathbreaking work on Hawaiian flora.

Science News Letter, July 2, 1938

Paleontology

THE PLEISTOCENE VERTEBRATE FAUNA FROM CUMBERLAND CAVE, MARYLAND—James W. Gidley and C. Lewis Gazin—*Gout. Print. Off.*, 99 p., illus., 25 c. Begun by the late Dr. Gidley and completed by his successor, this monograph gives a fascinating picture of a cross-section of Pleistocene life, as recorded in the faunal population of one Maryland cavern.

Science News Letter, July 2, 1938

Botany

THE LONGEVITY OF PLANTS—Hans Molisch; Edmund H. Fulling, trans.—*Pub. by the Translator*, 226 p., \$3. See p. 13.

Science News Letter, July 2, 1938

Physics

COMBUSTION, FLAMES AND EXPLOSIONS OF GASES—Bernard Lewis and Guenther Von Elbe—*Cambridge (Macmillan)*, 415 p., illus., \$5.50. Here is the scientific treatment of combustion, either useful in control of power or dangerous in

mine explosions, which supplies the background for a wide variety of everyday happenings. The authors are two experts from the Bureau of Mines and Carnegie Institute of Technology.

Science News Letter, July 2, 1938

Geography

NORTHERNMOST LABRADOR MAPPED FROM THE AIR—Alexander Forbes—*American Geographical Society*, 255 p., illus., navigational notes and maps in separate holder, \$4. Without the new technique of aerial photographic mapping, northern Labrador would probably have remained a *terra incognita* for centuries, it is such an inaccessible and forbidding land. Now we can have accurate knowledge of the topography of this land, even of hundreds of square miles of it where no white man has ever set foot. The text tells of the work of the various expeditions, and the excellent halftone illustrations give a good idea of the general character of the country.

Science News Letter, July 2, 1938

Botany

STUDIES OF THE AMERICAN FLORA—I—Julian A. Steyermark—*Field Museum*, 34 p., illus., 40 c. This initial study in a series of taxonomic studies opens with a description of a new genus of Tiliaceae, *Mortoniiodendron*, and describes also several species in other families.

Science News Letter, July 2, 1938

Photography

PICTURE MAKING WITH PAPER NEGATIVES—Nowell Ward—*Amer. Photo Pub.*, 88 p., illus., \$1.25. A difficult and very effective technique is here explained clearly for the beginner. The beauty of the illustrations will make you want to try your own hand.

Science News Letter, July 2, 1938

Biology

ESSENTIALS OF BIOLOGY (new ed.)—W. H. D. Meier and Lois Meier Shoemaker—*Ginn*, 725 p., illus., \$1.80.

Science News Letter, July 2, 1938

Biology

MANUAL FOR COMPARATIVE ANATOMY—Leonard P. Sayles—*Macmillan*, 214 loose-leaf pages, \$1.60.

Science News Letter, July 2, 1938

Psychiatry

MAN AGAINST HIMSELF—Karl A. Menninger—*Harcourt, Brace*, 485 p., \$3.75. See page 10.

Science News Letter, July 2, 1938

Physics

ON UNDERSTANDING PHYSICS—W. H. Watson—*Cambridge (Macmillan)*, 146 p., \$2.25. Every citizen will want to read this book of Prof. Watson's, which, he states, came about as a result of his own reflections while trying to clear up his own understanding of physics. The problems arising from recent developments in atomic physics are discussed, but the treatment is new, and different from that of mathematical physics.

Science News Letter, July 2, 1938

Chemistry

NUMERICAL PROBLEMS IN ADVANCED PHYSICAL CHEMISTRY—J. H. Wolfenden—*Oxford Univ. Press*, 229 p., \$2.75. Here are 133 problems used at the University of Oxford to test candidates for their degree in physical chemistry. Each problem is stated quite completely and citations are given from the literature of chemistry which will provide clues to the solutions. Answers are given in the final pages of the book.

Science News Letter, July 2, 1938

Engineering

MOTORWAYS, FLYOVERS AND MOUNTAIN ROADS—F. G. Royal-Dawson—*Chem. Pub. Co. of N. Y.*, 176 p., \$3.50. A book on roadway construction, designed, the author declares, to answer the engineer's "how should a road be laid out?" The scope of the volume includes a wide range of curvature, from the very large radii of motorways to the small minimum radii of horse-shoe and hairpin bends on mountain roads.

Science News Letter, July 2, 1938

Economics—Sociology

THE RIGHT TO WORK—Nels Anderson—*Modern Age*, 150 p., 50 c. The story of WPA and other work-creating agencies of the present administration. It will make you better acquainted with what these agencies are trying to accomplish, how they are being conducted, and whom they are benefiting.

Science News Letter, July 2, 1938

Biology

A LABORATORY MANUAL OF GENERAL BIOLOGY (2d ed.)—E. Grace White—*Mosby*, looseleaf, \$1.75.

Science News Letter, July 2, 1938

Paleontology

FOSSIL SNAKES OF NORTH AMERICA—Charles W. Gilmore—*Geological Soc. of America*, 96 p., illus., 75 c. See p. 4.

Science News Letter, July 2, 1938