

# •First Glances at New Books

## GENERAL SCIENCE

SCIENCE CALLS TO YOUTH, A Guide to Career-Planning in the Sciences—Raymond F. Yates—*Appleton-Century*, 205 p., illus., \$2. An inspirational and factual presentation of what science means to youth, emphasizing the opportunities for making research and technical service a life work. The work of science clubs is emphasized, especially the pioneering of the American Institute, the national portion of which work Science Service is now sponsoring as Science Clubs of America.

*Science News Letter, October 11, 1941*

## BIOLOGY

ADVENTURES WITH A MICROSCOPE—Richard Headstrom—*Stokes*, 232 p., illus., \$2. In 59 "Adventures," the reader is taken through a wide range of interesting territories that can be explored through a microscope equipped with a suitable battery of lenses, from simple examination of protozoa and diatoms to the investigation of circulatory and nervous systems in some of the metazoa.

*Science News Letter, October 11, 1941*

## ANTHROPOLOGY

SCIENTIFIC ASPECTS OF THE RACE PROBLEM — H. S. Jennings, Charles A. Berger, Thomas Verner Moore and Ales Hrdlicka and others—*Longmans, Green*, 302 p., \$3. See page 236.

*Science News Letter, October 11, 1941*

## GEOLOGY

OUTLINES OF PHYSICAL GEOLOGY, 2d ed. — Chester R. Longwell, Adolph Knopf and Richard F. Flint—*Wiley*, 381 p., illus., \$2.75. New edition of a successful text, with revisions necessitated by progress in the field during the seven years that have elapsed since its first appearance.

*Science News Letter, October 11, 1941*

## GENETICS

GENETICS AND THE ORIGIN OF SPECIES (2d ed.)—Theodosius Dobzhansky—*Columbia Univ. Press*, 446 p., \$4.25. A book that attracted a great deal of attention when it first appeared four years ago now goes into its second edition. Even in four years there have been developments that call for very extensive revisions of the original text.

*Science News Letter, October 11, 1941*

## PALEONTOLOGY

THE MAMMALIAN FAUNA OF THE WHITE RIVER OLIGOCENE, Part V: Perisodactyla—William Berryman Scott—*American Philosophical Society*, 233 p.,

100 pl., illus., \$3. (Transactions of the American Philosophical Society, New Series, Vol. XXVIII, June, 1941.) A new number in the very important series of monographs by Princeton's veteran paleontologist. This one is of particular interest because of the groups treated, notably the hyracodonts, brontheres and equids.

*Science News Letter, October 11, 1941*

## HERPETOLOGY

THE HERPETOLOGY OF HISPANIOLA—Doris M. Cochran—*Govt. Print. Off.*, 398 p., 12 pl. illus., 70c. (U. S. National Museum Bulletin 177.) A well-illustrated account of the batrachians and reptiles of one of the most interesting but least known islands of the Greater Antilles, intended primarily for professional zoologists.

*Science News Letter, October 11, 1941*

## ICHTHYOLOGY

GUIDE TO THE FISHES OF THE GREAT LAKES AND TRIBUTARY WATERS—Carl L. Hubbs and Kari F. Lagler—*Cranbrook Institute of Science*, 100 p., pls., \$1 cloth, 50c. paper. A well-constructed analytical key to the fishes of an important section of the United States and Canada, that will be welcomed alike by students and fishermen.

*Science News Letter, October 11, 1941*

## ORNITHOLOGY

BIRDS IN YOUR BACKYARD, Native Birds in Their Haunts with a Check List for Sangamon County—Virginia S. Eifert—*Illinois State Museum*, 238 p., illus., 60c. The birds of a typical Midwestern community, well described and superbly illustrated. Every other page is a full-page illustration, beautifully executed in black and white. This book will, of course, be useful far beyond the limited territorial range it sets for itself.

*Science News Letter, October 11, 1941*

## ZOOLOGY

A MONOGRAPH OF THE EXISTING CRINOIDS: Vol. I, The Comatulids, Part 4a, Superfamily Mariametrida (except the family Colobometridae)—Austin Hobart Clark—*Govt. Print. Off.*, 603 p. 61 pl., \$1.50. (U. S. National Museum Bull. 82.) A notable addition to an already notable series of publications on a difficult and little understood group of animals. This monograph is of course strictly professional in its appeal; it is by a zoologist and for zoologists, but to its relatively limited audience it is indispensable.

*Science News Letter, October 11, 1941*

## CHEMISTRY

OUT OF THE TEST TUBE (3d ed.) — Harry N. Holmes—*Emerson*, 305 p., illus., \$3. This new edition of one of the best of the popular discussions of chemistry contains much new material, including a chapter on "Strategic Raw Materials." The story of chemistry is told from the earliest beginnings of chemical knowledge down to the present time. The marvelous achievements of chemistry and their effects on human lives are related, and tales from the lives of famous chemists are generously sprinkled in.

*Science News Letter, October 11, 1941*

## PHYSIOLOGY

THE BODY FUNCTIONS, Physiology—Ralph W. Gerard, *Wiley*, 289 p., illus., \$2.25. Although this is no simple A B C primer on physiology for the layman, Prof. Gerard's humor and clear breezy style make it easy for the reader to understand and enjoy the complicated but fascinating story of how the human body works.

*Science News Letter, October 11, 1941*

## BACTERIOLOGY

PRINCIPLES OF MICROBIOLOGY—Francis E. Colien and Ethel J. Odegard—*Mosby*, 444 p., illus., \$3. A new text and reference book on bacteria and other microorganisms, giving special attention to the pathogens. The many illustrations in color will be particularly helpful to the student.

*Science News Letter, October 11, 1941*

## CHEMISTRY—HORTICULTURE

PLANT GROWTH - SUBSTANCES, Their Chemistry and Applications, With Special Reference to Synthetics (2d ed., rev.)—Hugh Nicol—*Chemical Pub. Co.*, 148 p., \$2. A good many new things that have happened in this rapidly expanding field since this book first appeared are given due notice in the revision.

*Science News Letter, October 11, 1941*

## PHYSICS

A TEXTBOOK IN ELECTRICITY AND MAGNETISM—Harry C. Kelley—*Wiley*, 356 p., \$3.75. Designed to occupy a place between those treatises that are either too elementary or too advanced. This book nevertheless introduces the student to some of the most recent discoveries of physics and the most modern instruments of research, such as the mass spectrograph, the cyclotron and the electron microscope.

*Science News Letter, October 11, 1941*