

• First Glances at New Books

Additional Reviews
On Page 384

Physiology

BIOGRAPHY OF THE UNBORN—Margaret Shea Gilbert—*Williams and Wilkins*, 132 p., \$1.75. This book tells the story of the development of the human infant from fertilization to birth, with an extra chapter on twins, variations and malformations. It is accurate, authentic, not very long and has a glossary of scientific terms and numerous diagrammatic illustrations, but it is weighty with physiological terms and details and seems far beyond the comprehension and interest of the average lay reader.

Science News Letter, December 10, 1938

Education—Sociology

THE NATIONAL YOUTH ADMINISTRATION—Palmer O. Johnson and Oswald L. Harvey—*Govt. Print. Off.*, 121 p., 15 c. A report by the President's Advisory Committee on Education.

Science News Letter, December 10, 1938

Science

TRANSACTIONS OF THE WISCONSIN ACADEMY OF SCIENCES, ARTS AND LETTERS, VOL. XXXI—Wisconsin Academy of Sciences, Arts and Letters, 570 p., illus., \$4.

Science News Letter, December 10, 1938

Anthropology

A BRIEF HISTORY OF NAVAJO SILVER-SMITHING—Arthur Woodward—*Northwestern Arizona Society of Science and Art*, 78 p., illus., \$1.85. With Indian jewelry gaining popularity in American shops, this little book that explains the Navajo silver designs and techniques should interest many readers. It has a long bibliography, for those who wish to read more on the subject.

Science News Letter, December 10, 1938

Geography—History

HISPANIC CIVILIZATION—Walter J. Muller—*Globe*, 122 p., 80 c. Intended primarily as additional study material for students of Spanish language, this small book is crammed with facts about old Spain and the imprint of its civilization on America. Those interested in Spanish-American countries will find much reference information in this little handbook.

Science News Letter, December 10, 1938

Anthropology

THE INDIAN COSTUME BOOK—Julia M. Seton—*Seton Village Press, Santa Fe*, 220 p., illus., \$3.50. Attractively bound in wood and leather and containing many drawings and photographs, this is a good reference book for those who

want general information. It should be especially helpful in designing sets and costumes for Indian drama, and a short bibliography of Indian plays and pageants is provided for this type of reader.

Science News Letter, December 10, 1938

Radio

THE RADIO AMATEUR'S HANDBOOK (16th ed.)—*American Radio Relay League*, 454 p., \$1. Beginning with a statement of the amateur's code, this condensed volume is packed with practical information of immense value to each of the 50,000 "hams" who crowd the short wave bands of the United States and Canada. Construction, operation and other features are covered. It was prepared by the headquarters staff of the A. R. R. L.

Science News Letter, December 10, 1938

Botany

WILD FLOWERS OF OHIO—Harold L. Madison—*Cleveland Museum of Natural History*, 190 p., illus., \$1.50. In this little book, 825 species are illustrated with small but clear line drawings and described with a few economically-worded sentences each. This book is the first of a series.

Science News Letter, December 10, 1938

Engineering

STEEL CONSTRUCTION (4th ed.)—Henry Jackson Burt and C. H. Sandberg—*American Tech. Soc.*, 438 p., illus., \$3.50.

Science News Letter, December 10, 1938

Chemistry

BIOCHEMISTRY FOR MEDICAL, DENTAL AND COLLEGE STUDENTS—Benjamin Harrow—*Saunders*, 383 p., \$3.75. Biochemistry as taught at the College of the City of New York. Each chapter contains additional references which include research reports in the literature through 1937.

Science News Letter, December 10, 1938

Engineering

ABOUT PETROLEUM—J. G. Crowther—*Oxford Univ. Press*, 181 p., \$2.25. A layman's book by a British popularizer. The origins of petroleum, methods of finding it, transportation, refining and its use as a lubricant are all discussed.

Science News Letter, December 10, 1938

Chemistry

LABORATORY MANUAL TO ACCOMPANY INTRODUCTORY GENERAL CHEMISTRY (Rev. ed.)—Harold G. Dietrich and Erwin B. Kelsey—*Macmillan*, 118 p., \$1.90.

Science News Letter, December 10, 1938

Physics

PROCEDURES IN EXPERIMENTAL PHYSICS—John Strong, H. Victor Neher, A. E. Whitford, C. Hawley Cartwright and C. Hayward—*Prentice-Hall*, 642 p., \$5. Research physicists and chemists have been looking for this book for years. It contains all the tricks used in physical researches to attain high vacuum, operate the most sensitive of instruments, build amplifying circuits, and the other techniques which every good scientist ought to know. The illustrations by Roger Hayward are splendid, and theory and practice are correlated in the best possible fashion.

Science News Letter, December 10, 1938

Sociology

BROTHERS IN CRIME—Clifford R. Shaw, Henry D. McKay, James F. McDonald and others.—*Univ. of Chicago Press*, 364 p. See page 377.

Science News Letter, December 10, 1938

Education

HOW TO STUDY—Samuel Kahn—*Meador Pub. Co.*, 158 p., \$2. A book intended as an aid to college students.

Science News Letter, December 10, 1938

Psychology

THE BEHAVIOR OF ORGANISMS—B. F. Skinner—*Appleton-Century*, 456 p., \$5. A technical book which will be of great interest to physiologists and psychologists.

Science News Letter, December 10, 1938

Anthropology

DIRTY BOY: A JICARILLA TALE OF RAID AND WAR—Morris Edward Opler—*Amer. Anthropological Assn.*, 80 p., 85 c.

Science News Letter, December 10, 1938

Zoology

THE NAIAD FAUNA OF THE HURON RIVER, IN SOUTHEASTERN MICHIGAN—Henry van der Schalie—*Univ. of Michigan Press*, 83 p., figures, plates and maps, \$1.

Science News Letter, December 10, 1938

Geology

SOME ARIZONA ORE DEPOSITS—Arizona Bureau of Mines—*Univ. of Arizona*, 136 p., 40 plates, 12 figures, 35 c.

Science News Letter, December 10, 1938

Economics

REPORT OF THE COMMITTEE ON PRICES IN THE BITUMINOUS COAL INDUSTRY, PREPARED FOR THE CONFERENCE ON PRICE RESEARCH—*National Bureau of Economic Research*, 144 p., \$1.25.

Science News Letter, December 10, 1938

• First Glances at New Books

Additional Reviews
On Page 383

Geology—Archaeology

TEN YEARS UNDER THE EARTH—Norbert Casteret; Trans. and ed. by Barrows Mussey—*Greystone*, 283 p., illus., \$3. This book tells the first-hand story of an athletic French explorer and his hardy wife, who have spent years of exciting, often perilous, always hard work in the Pyrenean caverns where men of the Old Stone Age hunted cave bears and wrought the world's first art. This work has received the coronation of the French Academy.

Science News Letter, December 10, 1938

Medicine

THE MARCH OF MEDICINE—Ray Lyman Wilbur—*Stanford Univ. Press*, 280 p., \$2.75. Medical and health problems of, roughly, the last quarter-century, including the ever-present problem of medical economics are discussed in this volume which is made up of speeches delivered by the author on various occasions since 1913.

Science News Letter, December 10, 1938

Forestry

SAGAS OF THE EVERGREENS—Frank H. Lamb—*Norton*, 364 p., illus., \$3.50. This book ranges the world to make us acquainted with the world of the conifers: familiar fir and spruce and pine, through sequoia and cypress to far-away deodar, ginkgo, araucaria and kauri; all who love dark-green stateliness will find fascination in these pages and pictures.

Science News Letter, December 10, 1938

Geography

OUR AMERICAN TROPICS—John E. Jennings, Jr.—*Crowell*, 265 p., \$2.50. South Florida, Puerto Rico, and the Virgin Islands are here attractively presented to the prospective tourist. A good book to read when winter is closing in—particularly if you expect to be able to travel.

Science News Letter, December 10, 1938

Botany

FLORA OF PERU—J. Francis Macbride—*Field Museum of Natural History*, 1136 p., \$2.50. A new and noteworthy addition to the valuable list of floras of Central and South American countries being produced by the Field Museum. Of value to professional botanists.

Science News Letter, December 10, 1938

Geology—Physics

TRANSACTIONS OF THE AMERICAN GEOPHYSICAL UNION, NINETEENTH ANNUAL MEETING, APRIL 27 TO 30, 1938, WASH-

INGTON, D. C.; PART I: Reports and Papers, Washington, D. C., General Assembly and Sections of Geodesy, Seismology, Meteorology, Terrestrial Magnetism and Electricity, Oceanography, Volcanology, and Hydrology, 585 p., \$3.50. PART II: Reports and Papers, Section of Hydrology and Western Interstate Snow-Survey Conference—*National Research Council*, 168 p., \$1.25.

Science News Letter, December 10, 1938

Botany—History

ROOTS, THEIR PLACE IN LIFE AND LEGEND—Vernon Quinn—*Stokes*, 230 p., illus., \$2. Roots for food and flavorings, roots for drugs and poisons, roots for scents and dye-stuffs, roots in a thousand uses ancient and modern—their story is well told here, pointed up with anecdote, enlivened with charming drawings. Whether you are interested in botany, folklore or history, you will find what you are seeking here.

Science News Letter, December 10, 1938

Physics

HOUSEHOLD PHYSICS—Madalyn Avery—*Macmillan*, 439 p., \$3.50. A text for college students in home economics which presents the fundamentals of physics in their relation to the home. Married college women may find it a handy volume to keep for reference, for it discusses the inner workings of all household appliances as well as more theoretical subjects.

Science News Letter, December 10, 1938

Psychology—Technology

JOB DESCRIPTIONS FOR HOTELS AND RESTAURANTS—U. S. Dept. of Labor and U. S. Employment Service—*Govt. Print. Off.*, 2 vols., 439 p., \$2 per set.

Science News Letter, December 10, 1938

Pharmacy

A CONCISE PHARMACOLOGY—F. G. Hobart and G. Melton—*Chemical Pub. Co. of N. Y.*, 171 p., \$3. A textbook for medical students written by a physician and a pharmacist.

Science News Letter, December 10, 1938

Biology

APPLIED MYCOLOGY AND BACTERIOLOGY—L. D. Galloway and R. Burgess—*Chem. Pub. Co. of N. Y.*, 186 p., \$4. A handbook in the proper sense of the word; for this is a small volume but contains the gist of what the working microbiologist would care to know about a wide range of practical problems

Science News Letter, December 10, 1938

Photography

U. S. CAMERA, 1939—J. T. Maloney, ed.—*Morrow*, 196 plates, text and index, \$2.90. Striking photographs in the modern manner. Of particular interest are the documentary photographs by the Farm Security Administration and the news' photographs. You may like them immensely—or you may not.

Science News Letter, December 10, 1938

Horticulture

HEDGES, SCREENS AND WINDBREAKS—Donald Wyman—*Whittlesey House*, 249 p., illus., \$2.75. There are many books on shrubs and their use in gardens and plantings, but something was needed on this special and important aspect of the use of shrubs. This book follows an accepted and useful treatment pattern, in that it tells essential facts about the most important hedge plants, and gives instructions for their planting, care, and trimming.

Science News Letter, December 10, 1938

Entomology

FIELD CROP ENTOMOLOGY—Don B. Whelan—*Swift*, 56 p., planographed, \$1. A convenient, low-priced text adapted for the use of students in special courses in applied entomology. Well illustrated.

Science News Letter, December 10, 1938

Zoology

ZOO FRIENDS—Joanna Robb; pictures by Gilbert Cousland—*Collins*, 32 p., photos and text, \$1.75. A picture book about the London Zoo, for children who have just learned how to read.

Science News Letter, December 10, 1938

Psychology

YOU CAN SLEEP WELL—Edmund Jacobson—*Whittlesey House*, 269 p., \$2. If you are lying awake nights because you cannot relax, this book in popular style may give you some suggestions for wooing sleep.

Science News Letter, December 10, 1938

Electrical Engineering

STANDARDS ON ELECTRONICS, 1938—*Institute of Radio Engineers*, 59 p., 50 c.

Science News Letter, December 10, 1938

Entomology

MARVELS OF INSECT LIFE—Edward Step, ed.—*McBride*, 486 p., illus., \$3.75. Really quite a lot of book for the money, with many interesting pictures and plenty of equally interesting text descriptions. Material has been gathered from all over the world, to make this book of hexapod natural history.

Science News Letter, December 10, 1938