

• First Glances at New Books

ZOOLOGY—FICTION

CHILDREN OF THE SEA—Wilfrid S. Bronson—*Harcourt, Brace*, 264 p., illus., \$2. The artist-naturalist author of *Fingerfins*, *Paddlewings* and other well-known books on natural history that have charmed children and adults alike here for the first time tries his hand at fiction. This is a story of the birth and growth of a dolphin, and of his brief idyllic companionship with an amphibious Negro boy in the Bahamas. For youngsters who like animals, and who also like to read, a better Christmas gift book can hardly be found.

Science News Letter, December 7, 1940

EMBRYOLOGY

CONTRIBUTION TO EMBRYOLOGY, Vol. XXVIII, Nos. 170 to 178—*Carnegie Institution of Washington*, 451 p., illus., \$4, paper; \$5, cloth. A group of papers, most of them on the embryology of man and other primates, of more than casual interest to research workers in the subject. Kinetic and experimental approaches receive particular attention.

Science News Letter, December 7, 1940

ZOOLOGY

ATLAS OF OUTLINE DRAWINGS OF THE DOGFISH SHARK, THE NECTURUS, AND THE CAT FOR VERTEBRATE ANATOMY—Samuel Eddy, Clarence P. Oliver and John P. Turner—*Wiley*, 77 drawings, \$1.50.

Science News Letter, December 7, 1940

PALEONTOLOGY

THE MAMMALIAN FAUNA OF THE WHITE RIVER OLIGOCENE — William Berryman Scott and Glenn Lowell Jepsen—Part III, Lagomorpha, by Albert Elmer Wood; 91 p., 2 pl., \$1; Part IV, Artiodactyla, by William Berryman Scott, 383 p., 42 pl., \$2.50—*American Philosophical Society*. Two more monographs, carrying forward the monumental work of fully describing the fauna of the classic White River Oligocene.

Science News Letter, December 7, 1940

TECHNOLOGY

A. S. T. M. STANDARDS ON PETROLEUM PRODUCTS AND LUBRICANTS (Sept., 1940)—*American Society for Testing Materials*, 354 p., \$2. Methods of testing, specifications, definitions, charts and tables are given.

Science News Letter, December 7, 1940

ENGINEERING

FACTORS AFFECTING THE COST OF REFUSE COLLECTION, Bull. 10, 31 p., REFUSE COLLECTION METHODS, Bull. 11, 55 p.,

REFUSE COLLECTION EQUIPMENT, Bull. 12, 58 p., illus.—*American Public Works Assoc.*, 50c each. Besides public works engineers, these pamphlets should be useful to anyone concerned with municipal affairs and their improvement.

Science News Letter, December 7, 1940

CHEMISTRY—PHOTOGRAPHY

PHOTOGRAPHIC CHEMICALS, Their Properties and Uses—Henry M. Lester—*Morgan and Lester*, 25 p., 50c. This constitutes quarterly supplement No. 3 to the "Photo-Lab-Index." Concise descriptions are given for all important photographic chemicals, including chemical formulae, uses, etc.

Science News Letter, December 7, 1940

CHEMISTRY—ECONOMICS

FOOD INDUSTRIES MANUAL—W. B. Adam, comp. and others—*Chemical Pub. Co.*, 311 p., \$4. Though prepared in England, and emphasizing British practice, this very detailed encyclopedic work should prove valuable to persons in the United States concerned with the preparation or distribution of food.

Science News Letter, December 7, 1940

MEDICINE

MENTAL HEALTH SENTINEL, Vol. I, No. 1, October, 1940—*Massachusetts Society for Mental Hygiene*, 3 Joy Street, Boston, Mass., \$1 per year (Quarterly). This new magazine contains good reading for laymen interested in the mental health of their own families and of the community as well as information for physicians.

Science News Letter, December 7, 1940

BIOLOGY—CHEMISTRY

LABORATORY MANUAL OF BIOCHEMISTRY—Benjamin Harrow and others—*Saunders*, 119 p., illus., \$1.50. A well-worked-out laboratory manual, for courses not hitherto at all well supplied with aids of this kind.

Science News Letter, December 7, 1940

AGRICULTURE

PLOWING THROUGH, The Story of the Negro in Agriculture—Edwin Ware Hullinger—*Morrow*, 59 p., illus., \$1.50. The story of the Negro farmer's struggle from hard times to better times briefly but dramatically told, in text and pictures.

Science News Letter, December 7, 1940

PALEONTOLOGY

A SYSTEMATIC STUDY OF THE FOSSIL GASTROPOD EXILIA — Herdis Bentson — *Univ. of Calif. Press*, 38 p., 3 pl., 50c.

Science News Letter, December 7, 1940

TYPOGRAPHY

HOW TO MAKE TYPE READABLE, A Manual for Typographers, Printers and Advertisers—Donald G. Paterson and Miles A. Tinker—*Harper*, 209 p., \$2.50. A striking study of printed matter which is so important for the transmission of intelligence these days. The authors are University of Minnesota psychologists. Typographers, printers and advertising writers will seize upon the conclusions, some of which may well surprise them. For the transmission of the experimental details, supporting the many tables in the volume, Appendix II of 36 tables is issued in microfilm or photocopy form through the American Documentation Institute under its auxiliary publication plan, thus taking to the specialist the information that he needs without burdening the ordinary reader with detail and ordinary cost.

Science News Letter, December 7, 1940

CHEMISTRY

CALCULATIONS OF QUALITATIVE ANALYSIS—Louis J. Curtman and Sylvan M. Edmonds—*Macmillan*, 156 p., \$2. A textbook for students of chemistry that should help them to master theoretical principles, and also prepare them for quantitative analysis.

Science News Letter, December 7, 1940

CHEMISTRY

PORTLAND CEMENT, Theories (Proven and Otherwise) and Specifications—P. H. Bates—*Amer. Soc. for Testing Materials*, 31 p., illus., 50c., (Fifteenth Edgar Marburg Lecture, 1940).

Science News Letter, December 7, 1940

ELECTRICAL ENGINEERING

ELECTRICAL CIRCUITS AND MACHINERY, Vol. I, Direct Currents—Frederick W. Hehre and George T. Harness—*Wiley*, 513 p., illus., \$4.50. This book is intended as a general text-book for non-electrical engineering students, and as an introductory text for those in electrical engineering. Vol. II, to appear later, will cover the field of alternating current.

Science News Letter, December 7, 1940

MATHEMATICS

A TREATISE ON ADVANCED CALCULUS—Philip Franklin—*Wiley*, 595 p., \$6. This work is, to quote the preface, "addressed to a reader who has already acquired some proficiency in the technique of the calculus and who desires a more logical treatment of the subject than is feasible in a first course."

Science News Letter, December 7, 1940