

•First Glances at New Books

Additional Reviews
On Page 96

NUTRITION

THE EATER'S DIGEST—Asa C. Chandler—*Farrar & Rinehart*, 343 p., \$2.75. First aid to those who are worried about what to eat, written by the Professor of Biology at Rice Institute, who discusses digestion, vitamins, girth control, nerves and many other problems in understandable language. Amusing pen and ink sketches enliven the book.

Science News Letter, August 9, 1941

DENTISTRY

YOUR TEETH, Their Past, Present, and Probable Future—Peter J. Brekhus—*Univ. of Minnesota Press*, 255 p., \$2.50. This might be left on the waiting room tables of dental offices, for the author, who is Professor of Oral Diagnosis of the University of Minnesota's School of Dentistry, discusses our teeth in relation to civilization (is it a disease?), evolution, and what we can do to save our teeth.

Science News Letter, August 9, 1941

ZOOLOGY

LIVING TREASURE—Ivan T. Sanderson—*Viking Press*, 290 p., illus., \$3.50. Vividly and entertainingly written accounts of animal life in Carribean countries, from parasol ants to tapirs, winding up with an utterly incredible frog called Whaw-Mooch by the Maya Indians. The author is also the artist; his illustrations are excellent.

Science News Letter, August 9, 1941

ENTOMOLOGY

BEEKEEPING AS A HOBBY—Kyle Onstott—*Harper*, 137 p., \$2. An excellent book for beginners. Anyone looking toward beekeeping as a hobby, however, should be warned that it will prove so fascinating that he is in danger of being absorbed into it on a professional basis.

Science News Letter, August 9, 1941

ENGINEERING

LESSONS IN ARC WELDING (2d ed.)—*Lincoln Electric Co.*, 176 p., illus., 50c.

Science News Letter, August 9, 1941

ETHNOLOGY

WINONA AND RIDGE RUIN. Part I, Architecture and Material Culture—John C. McGregor—*Northern Arizona Society of Science and Art*, 309 p., illus., \$5.25. Part II, Notes on the Technology and Taxonomy of the Pottery—Harold S. Colton—*Northern Arizona Society of Science and Art*, 75 p., illus., \$1.75. A detailed and complete account of In-

dian ruins in northern Arizona, which are pronounced not Pueblo, but having traits of Pueblo, Hohokam, Mogollon, and other cultures blended.

Science News Letter, August 9, 1941

CHILD STUDY

THE PARENTS' MANUAL, A Guide to the Emotional Development of Young Children—Anna W. M. Wolf—*Simon and Schuster*, 331 p., \$2.50. Conscientious parents will be relieved to learn that the first advice of the author, who is staff member of the Child Study Association of America, is to relax and enjoy your children.

Science News Letter, August 9, 1941

FICTION

SEE YOU AT THE MORGUE—Lawrence G. Blochman—*Duell, Sloan and Pearce*, 279 p., \$2. A mystery novel depending for its denouement upon modern practice in the scientific laboratory of crime detection.

Science News Letter, August 9, 1941

GENERAL SCIENCE

FIELD MANUAL FOR MUSEUMS—Ned J. Burns—*Govt. Print. Off.*, 426 p., illus., 70c. Written directly for National Park Service field workers, this manual also contains a great deal of information helpful to museum staffs anywhere. There are chapters, for instance, on technical methods of handling specimens and materials, and on planning exhibits, arranging a museum building, and equipping exhibit rooms. There is a good bibliography, and a sample exhibit plan is worked out in detail.

Science News Letter, August 9, 1941

BOTANY

FLOWERS AND FLOWERING PLANTS (2d ed.)—Raymond J. Pool—*McGraw-Hill*, 428 p., illus., \$3.50. A new edition of an excellent students' text in systematic botany, by one of the best-known of the present generation of botanists.

Science News Letter, August 9, 1941

PHOTOGRAPHY—CHEMISTRY

CHEMISTRY FOR PHOTOGRAPHERS—Allen R. Greenleaf—*American Photographic Publishing Co.*, 177 p., \$2. Not intended as an exhaustive treatise on the chemistry of the photographic process, this book rather indicates the basic chemical principles involved in the most important photographic procedures and tells briefly the methods by which these are applied.

Science News Letter, August 9, 1941

PSYCHOLOGY

PRINCIPLES OF ABNORMAL PSYCHOLOGY—A. H. Maslow and Béla Mittelmann—*Harper*, 638 p., \$3.50. Mental illness and the mental abnormalities of "normal" individuals are described in an understandable way in connection with the cultural, educational, and physiological factors that tend to produce or aggravate deviations from mental health. Much of the material is based on experimental work by the authors.

Science News Letter, August 9, 1941

MEDICINE

VITAMIN K—Hugh R. Butt and Albert M. Snell—*Saunders*; 172 p., \$3.50. See page 89.

Science News Letter, August 9, 1941

ENGINEERING

APPLIED PHOTOGRAMMETRY (3d ed.)—Ralph O. Anderson—*Pub. by Author, Box 882, Chattanooga, Tenn.*, 191 p., diagrams, \$3.

RIGOROUS ANALYSIS OF THE SCALE-POINT AND TILT FORMULAS—Ralph O. Anderson—*Pub. by Author*, 102 p., diagrams, \$1.50 (Supplementary to Applied Photogrammetry). Photogrammetry is the procedure of obtaining survey data by means of aerial photographs, and is important both for commercial and military purposes. These two books will aid anyone wishing to put these principles into practice.

Science News Letter, August 9, 1941

CHEMISTRY

ORGANIC CHEMISTRY, An Introduction to the Carbon Compounds—Nicholas D. Cheronis—*Crowell*, 728 p., \$4. As a result of his own experience, the author has arranged this book to give what he considers a more unified treatment than the usual text. The first four chapters give a survey of the field to be studied, then hydrocarbons and simpler groups are studied as a whole, and benzene is introduced early in connection with cyclic unsaturated hydrocarbons.

Science News Letter, August 9, 1941

PHYSICS

ELECTRON-INERTIA EFFECTS—F. B. Llewellyn—*Cambridge (Macmillan)*, 104 p., \$1.75. One of the well-known "Cambridge Physical Tracts," this little book covers concisely, and necessarily technically, effects that are becoming increasingly important with advanced vacuum tube technique.

Science News Letter, August 9, 1941

• First Glances at New Books

Additional Reviews
On Page 95

PHYSICS

THE WORLD AND THE ATOM—C. Moeller and Ebbe Rasmussen—*Van Nostrand*, 199 p., \$2.75. Two prominent Danish physicists, one a theoretician, the other an experimentalist, here collaborate in an excellent summary of the recent developments in atomic physics.

Science News Letter, August 9, 1941

PHYSICS

COLLEGE PHYSICS (3d ed.)—Arthur L. Foley—*Blakiston*, 757 p., illus., \$3.75. The aim of the first edition of this work, "not to impart facts, but to arouse and maintain a keen interest in physical phenomena," is maintained in this new edition. However, it represents a painstaking revision, based on the suggestions of a number of teachers who have used it.

Science News Letter, August 9, 1941

AERONAUTICS

ABC OF AVIATION, A Simplified Guide to Modern Aircraft (2d ed.)—Victor W. Pagé—*Henley*, 598 p., illus., \$2.50. In this new edition of a very complete manual of all types of aircraft and their operation, additional data, particularly concerning the many new and more powerful engines, have been added.

Science News Letter, August 9, 1941

ELECTRICITY

INTERIOR ELECTRIC WIRING AND ESTIMATING (3d ed.)—Albert Uhl, Arthur L. Nelson and Carl H. Dunlap—*Amer. Tech. Soc.*, 354 p., illus., \$2.50. Like the earlier editions, this complete work will be useful not only as a trade school text, but to the home-owner who wants to know how to do his own electrical work, in a safe and professional manner.

Science News Letter, August 9, 1941

LIBRARY SCIENCE

SCHOOLS AND PUBLIC LIBRARIES, Working Together in School Library Service—National Education Assn. and the American Library Assn.—*National Education Assn.*, 64 p., 25c. Report of a committee created in 1931 to facilitate cooperation by the two associations in the field of school library service.

Science News Letter, August 9, 1941

GENERAL SCIENCE

SCIENCE EXPERIENCES WITH TEN-CENT STORE EQUIPMENT—Carleton John Lynde—*International Textbook Co.*, 256 p., illus., \$1.60. Any one, young or old, can get many hours of fun and learn a great

deal about science by doing the experiments in this book. You can easily find the necessary apparatus in your own home, or the apparatus can be purchased for little money. This is a companion to an earlier book by the same author, "Science Experiences with Home Equipment."

Science News Letter, August 9, 1941

CHEMISTRY

FIRE-HAZARD PROPERTIES OF CERTAIN FLAMMABLE LIQUIDS, GASES AND VOLATILE SOLIDS—Committee on Flammable Liquids, comp.—*National Fire Protection Assn.*, 48 p., 25c. Many widely used chemicals are here listed with data concerning their fire hazard, such as flash point, ignition temperature and explosive limits of concentration.

Science News Letter, August 9, 1941

AERONAUTICS—ENGINEERING

PLANE FACTS FOR AIRPLANE AND ENGINE MECHANICS—Bert A. Kutakoff—*Military Book Co.*, 241 p., illus., \$1.75. Concise information is given in handy question and answer form about the many tasks that military and commercial aviation mechanics have to perform.

Science News Letter, August 9, 1941

ENGINEERING

FLUID MECHANICS—Glen N. Cox and F. J. Germano—*Van Nostrand*, 274 p., illus., \$3. The mechanics of fluids is a subject of great engineering importance, having to do not only with use of fluids for transmitting power, but also in the design of pumps, spillways, pipe lines, etc. This new work is intended as a text for junior engineering students.

Science News Letter, August 9, 1941

AERONAUTICS

ALL AMERICAN AIRCRAFT—Ernest K. Gann—*Crowell*, 122 p., illus., \$2. An experienced air-lines pilot, Mr. Gann certainly knows his airplanes, and in this copiously illustrated book, he tells all about them.

Science News Letter, August 9, 1941

CHEMISTRY

CHEMICAL ANALYSIS OF ALUMINUM, Methods Standardized and Developed by the Chemists of Aluminum Company of America under the Direction of H. V. Churchill and R. W. Bridges (2d ed.)—*Aluminum Research Laboratories*, 120 p., 50c. A useful manual for the metallurgical chemist.

Science News Letter, August 9, 1941

PSYCHOLOGY

TIME AND THE MIND—Harriet Babcock—*Sci-Art*, 304 p., \$3.25. Here is expounded the principle, developed by the author, that mental efficiency is quite distinct from mental capacity and is significant for the understanding of how individuals make social and vocational adjustments. Time, she says, may be thought of as a fourth dimension of the mind. On tempo depends the efficient working of the intelligence.

Science News Letter, August 9, 1941

CRIMINOLOGY

CRIMINAL YOUTH AND THE BORSTAL SYSTEM—William Healy and Benedict S. Alper—*Commonwealth Fund*, 251 p., \$1.50. Describing a system of treatment for young offenders which attempts to prepare them for a useful life through responsibility, education, vocational training and physical activity—doing away with idle confinement, military discipline and painful restrictions of liberty.

Science News Letter, August 9, 1941

PHILOSOPHY—ENGINEERING

THE PHILOSOPHY OF POWER: Vol. 2, The Theory of Control—Donald Murray—*Williams and Norgate Ltd., London*, 412 p., 15 s. A second volume of unorthodox but provocative ideas by a veteran engineer, who believes in "the method of outrageous assertion." His bold visions of the future include a "perfect" railway system, with trains running at 300 miles an hour. Chiefly, however, the problems of organization and control of power in its application to a mechanized world.

Science News Letter, August 9, 1941

PALEONTOLOGY

A NEW TURTLE FROM THE MARINE MIOCENE OF OREGON—E. L. Packard—*Oregon State College*, 31 p., illus., 50c.

Science News Letter, August 9, 1941

METEOROLOGY

CANADIAN POLAR YEAR EXPEDITIONS 1932-33, Meteorology, Cape Hope's Advance, Chesterfield Inlet, Coppermine, Meanook, Vol. I—*Canada. Department of Transport, Air Services Branch, Division of Meteorological Services*, 452 p., \$10. Detailed records, mainly tabulated, of data accumulated at four stations in the High North during the Polar Year of 1932-33. Of interest primarily to meteorologists; but this limited audience will find this publication invaluable.

Science News Letter, August 9, 1941