

• First Glances at New Books

AERONAUTICS

SIMPLIFIED AERIAL NAVIGATION BY DEAD RECKONING (2d ed., rev.)—J. A. McMullen—*Chemical Pub. Co.*, 96 p., illus., \$2.50. This little book, of British origin, should be useful to the private flier who wants to find his way about in the air.

Science News Letter, June 28, 1941

ENGINEERING

POWER, FROM START TO FINISH—Franklin M. Reck and Claire Reck — *Crowell*, 154 p., illus., \$2. Hero's steam reaction engine, of 200 B. C., is in the first chapter of this fascinating book, U-235 and the possibility of atomic power in the last. In between, steam turbines, wind-mills, water power and other power sources are discussed. Copiously illustrated, with many unusual pictures, the book is especially timely now when power is so important.

Science News Letter, June 28, 1941

ICHTHYOLOGY

CONTRIBUTIONS TO THE BIOLOGY OF THE PHILIPPINE ARCHIPELAGO AND ADJACENT REGIONS: The Fishes of the Groups Elasmobranchii, Holocephali, Isospondyli, and Ostarophysi, Obtained by the United States Bureau of Fisheries Steamer "Albatross" in 1907 to 1910, Chiefly in the Philippine Islands and Adjacent Seas—Henry W. Fowler—*Govt. Print. Off.*, 878 p., \$1.35 (U. S. National Museum Bulletin 100, volume 13).

Science News Letter, June 28, 1941

NATURE STUDY

NATURE IS STRANGER THAN FICTION—John Y. Beaty—*Lippincott*, 286 p., illus., \$2.50. Short descriptions, most of them only a couple of paragraphs long, of some of the strange things in nature which astonish those who hear about them for the first time, though they are often too readily treated as commonplaces by specialists.

Science News Letter, June 28, 1941

PHYSICS

COMMEMORATION OF THE LIFE AND WORK OF ALEXANDER DALLAS BACHE AND SYMPOSIUM ON GEOMAGNETISM — With the cooperation of The American Philosophical Society, United States Coast and Geodetic Survey, Department of Terrestrial Magnetism of Carnegie Institution of Washington and Girard College—*Amer. Phil. Soc.*, 136 p., illus., \$1.50. Here, gathered in permanent form, are the important papers on the earth's mag-

netism, presented last winter in commemorating the work of a pioneer in that field. (See *SNL*, Feb. 22, 1941.)

Science News Letter, June 28, 1941

PSYCHOLOGY

THE PSYCHOLOGY OF FEAR AND COURAGE—Edward Glover—*Penguin Books*, 128 p., 25c. See page 409.

Science News Letter, June 28, 1941

GENERAL SCIENCE

OUR WORLD AND SCIENCE—Samuel Ralph Powers, Elsie Flint Neuner, Herbert Bascom Bruner and John Hodgdon Bradley—*Ginn*, 653 p., illus., \$1.76. "The study of science should be an adventure rather than a chore. Science is the great adventure of modern times." In this spirit was written this vivid single-volume general science course for the ninth year.

Science News Letter, June 28, 1941

TECHNOLOGY

THE TELEPHONE IN A CHANGING WORLD—Marion May Dilts—*Longmans, Green*, 219 p., illus., \$2.50. The full story of the telephone and the effects that it has had on social and economic life, are contained in this work. Of special interest is the account of all the by-products and side-lines that have come from telephone research.

Science News Letter, June 28, 1941

GEOGRAPHY

THE SOUTH AMERICAN HANDBOOK, 1941 (18th ed.)—Howell Davies, ed.—*Wilson*, 676 p., \$1. In spite of shipping conditions, reports and other data for this edition have come from 23 Latin American countries so efficiently that the editor says no previous edition has been so complete. The handbook serves as a guide, pocket encyclopedia, and even offers hints to travelers about apparel, baggage and so on, and advice to those seeking employment.

Science News Letter, June 28, 1941

ECONOMICS

YOUTH WORK PROGRAMS, Problems and Policies — Lewis L. Lorwin — *Amer. Council on Education*, 195 p., \$1.75. Background of facts, figures and ideas for those interested in carrying forward programs of helping young people to make the transition from school and family-dependence to independent status in the working world. Defense angles of the problem are discussed, and suggestions for improving youth work programs are advanced.

Science News Letter, June 28, 1941

TECHNOLOGY

ARSENAL OF DEMOCRACY, How Industry Builds Our Defense—Burnham Finney—*Whittlesey House*, 284 p., illus., \$2.50. The editor of *American Machinist*, who is in an excellent position to know the facts, tells in this timely book of the problems involved in getting America into gear for defense.

Science News Letter, June 28, 1941

AERONAUTICS—BIOGRAPHY

FAMOUS AMERICAN FLYERS—Chelsea Fraser—*Crowell*, 352 p., illus., \$2.50. A collection of interesting biographical accounts of the famous aviators from the Wright Brothers to Douglas Corrigan.

Science News Letter, June 28, 1941

ELECTRICAL ENGINEERING

PRACTICAL ELECTRICAL WIRING, Residential, Farm, and Industrial (2d ed.)—H. P. Richter—*McGraw-Hill*, 521 p., illus., \$3. Practical methods of electrical wiring, explained in simple language, are given in this new edition, which is based on the 1940 National Electrical Code.

Science News Letter, June 28, 1941

MATHEMATICS

AN INTRODUCTION TO THE THEORY OF NEWTONIAN ATTRACTION—A. S. Ramsey—*Cambridge (Macmillan)*, 184 p., \$2.50. A text for advanced students of mathematics, involving a subject that is important in connection with dynamical astronomy as well as the figure of the earth.

Science News Letter, June 28, 1941

PHYSICS

GIOVANNI MARLIANI AND LATE MEDIAEVAL PHYSICS—Marshall Clagett—*Columbia University Press*, 182 p., \$2.50. This is a discussion of certain physical concepts of the 14th and 15th centuries and a study of a now little-known man who was regarded as an outstanding figure by his academic contemporaries.

Science News Letter, June 28, 1941

GEOGRAPHY—ECONOMICS

ECONOMIC GEOGRAPHY — Clarence Fielden Jones and Gordon Gerald Darkenwald—*Macmillan*, 629 p., \$4.25. A comprehensive college text which approaches the subject from the standpoint of industries, the world over. The pages are generously provided with maps, charts, graphs, and pictures, and the authors have met the difficult problem of what to do about statistics by presenting them mainly in the graphs and other material not a part of the text.

Science News Letter, June 28, 1941