

• First Glances at New Books

Additional Reviews
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Engineering

MEN UNDER THE SEA—Edward Ellsberg—*Dodd, Mead*, 365 p., \$3. The drama, romance and danger of diving and divers told by one of the Navy's foremost experts. Just finished as the *Squalus* sank last May, the last chapter was revised by Commander Ellsberg to include the story of this tragedy and how the Navy rescued all living survivors.

Science News Letter, October 28, 1939

Natural History

A BIBLIOGRAPHY OF NATURE-STUDY—Eva L. Gordon—*Comstock*, 44 p., 25c.

Science News Letter, October 28, 1939

Chemistry

CHEMICALS OF COMMERCE—Foster Dee Snell and Cornelia T. Snell—*Van Nostrand*, 542 p., \$5. Useful as a handbook for those who use chemicals in business, industry or research. Not a chemical dictionary, it is a source of information about the composition of actual commercial products.

Science News Letter, October 28, 1939

Engineering

INDUSTRIAL ELECTRICITY, Part I (2d. ed.)—Chester L. Dawes—*McGraw-Hill*, 387 p., \$2.20. Electricity for engineers might well be an alternative title for this book, for it is the kind of volume suitable for first year students in technical schools.

Science News Letter, October 28, 1939

Engineering

ENGINEER'S FACT FINDER—*Domestic Engineering Company*—154 p., \$1. Scores upon scores of attractive charts and diagrams which will be very useful for professional engineers.

Science News Letter, October 28, 1939

Chemistry

INTRODUCTION OF QUALITATIVE CHEMICAL ANALYSIS—Roy K. McAlpine and Byron A. Soule—*Van Nostrand*, 118 p., \$1.50.

Science News Letter, October 28, 1939

Regional Study

REGIONAL PLANNING, Part VIII — Northern Lakes States—Northern Lakes States Regional Comm.—*Govt. Print. Off.*, 63 p., 25 c. (Report to National Resources Comm.)

Science News Letter, October 28, 1939

Physics

MATTER, MOTION AND ELECTRICITY—Henry D. Smyth and Charles W. Ufford—*McGraw-Hill*, 648 p., \$3.75. Described as "a modern approach to general

physics," this text came into existence to serve the introductory courses at Princeton. It is primarily concerned with principles of physics and the methods by which they are discovered. The presentation is based on the developments made in atomic physics during the past forty years.

Science News Letter, October 28, 1939

Conservation

PANDORA'S BOX, The Story of Conservation—Marian E. Baer—*Farrar & Rinehart*, 292 p., \$2. The title is well chosen: the book stresses the swarming troubles which we as a nation have loosed upon our own heads by reckless or ignorant disturbances and destruction of the balance of nature. Yet it is not all written in the vein of Jeremiah; there is much of hope, something even of optimism, in the accounts of conservation workers and their labors toward the land's salvation.

Science News Letter, October 28, 1939

Genetics

ANIMAL BREEDING (3d. ed.)—Laurence M. Winters—*Wiley*, 316 p., \$3.50. Progress in applied genetics in the nine years that have elapsed since the second edition of this work has made possible a considerable amount of revision.

Science News Letter, October 28, 1939

Anatomy—Physiology

A TEXTBOOK OF ANATOMY AND PHYSIOLOGY (6th ed.)—Jesse Feiring Williams—*Saunders*, 607 p., \$2.75. An interesting feature of this text are the directions to the student on how to study, given at the beginning of the book and more specifically at the end of each chapter

Science News Letter, October 28, 1939

Medicine

SO YOU'RE GOING TO HAVE A BABY (Rev. and Enl.)—Helen Washburn—*Harcourt, Brace*, 214 p., \$1.19. A new edition of an amusing book that gives prospective parents practical advice on subjects ranging from diapers to mama's complexion and figure.

Science News Letter, October 28, 1939

Zoology

ANIMALS OF AMERICAN HISTORY—Paul Bransom—*Stokes*, 48 p., \$2. A panorama of the animals that have figured in the American saga, from Dan'l Boone's "b'ars" to the bison of Buffalo Bill, strikingly illustrated and interestingly described. A fine gift book for a boy.

Science News Letter, October 28, 1939

Military Science

SCIENCE AND MECHANIZATION IN LAND WARFARE—Donald Portway—*Chemical Pub. Co.*, 158 p., \$2.50. Compiled from a series of lectures given by a veteran British officer before groups of his juniors, most of whom are by now either in France or preparing to go there. The contents stem largely from World War experience and later developments, but there are also historical sidelights from earlier conflicts.

Science News Letter, October 28, 1939

Botany

PLANTS OF SUN AND SAND, The Desert Growth of Arizona—Stanford Stevens, Illus. by Gerry Pierce—*Print Room, Tucson, Ariz.*, 46 p., \$1. Attractive sketches and informal descriptions of Southwestern desert trees, shrubs and succulents. Board-bound in the most literal sense: the covers are made of wood.

Science News Letter, October 28, 1939

Chemistry

SEMIMICRO QUALITATIVE ANALYSIS OF INORGANIC MATERIALS—William Buell Meldrum, Earl W. Flosdorf and Albert F. Daggett—*American Book Co.*, 354 p., \$2.75. A text book of qualitative analysis as taught at the University of New Hampshire. The increasing use of true micro methods in chemistry makes it imperative that a beginner should learn the semimicro methods here described.

Science News Letter, October 28, 1939

Chemistry

THEORETICAL AND APPLIED ELECTRO-CHEMISTRY (3d. ed.)—Maurice de Kay Thompson—*Macmillan*, 535 p., \$5. Massachusetts Institute of Technology's professor of electrochemistry here gives a revised version of his textbook which has become standard in America in its field. The book has been completely rewritten and a number of new problems have been added to each of the chapters.

Science News Letter, October 28, 1939

Chemistry

THE DETERMINATION OF SMALL AMOUNTS OF CHLOROPHYLL—APPARATUS AND METHOD—Earl S. Johnston and Robert L. Weintraub—*Smithsonian Inst.*, 5 p., 10c. (Smithsonian Miscellaneous Collections, Vol. 98, No. 19)

Science News Letter, October 28, 1939

Economics

HOW STRONG IS BRITAIN?—C. E. Count Pückler—*Veritas Press*, 239 p., \$2.50. See page 279.

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General Science

CIVILIZATION BUILDERS—Frederick Houk Law—*Appleton-Century*, 356 p., \$1.32. Biographical telling of the advances to our present day world, in transportation, machinery, photography, electricity, applied chemistry, and medicine. Inspiration and knowledge will be obtained by those who want to take this pleasant approach to the great figures who fashioned the material ingredients of our modern life.

Science News Letter, October 28, 1939

Medicine

A JOURNEY ROUND MY SKULL—Frigyes Karinthy—*Harper*, 288 p., \$2.50. Strong-stomached devotees of the medical case history type of book will find this an absorbing story. According to the publisher's note, the author is a Hungarian man of letters who suffered from a brain tumor. After his recovery he wrote, with the aid of a vivid imagination, the record of his illness from his first symptoms and hallucinations through the operation to convalescence.

Science News Letter, October 28, 1939

Hygiene

THE VINCENT METHOD OF BATHTUB EXERCISES—Vincent Tumminello—*Pelican*, \$3.50. The idea of doing setting-up exercises in the bathtub is novel, though it is hard to see why when done this way they will be any more effective in weight-reducing than when done on the floor.

Science News Letter, October 28, 1939

Chemistry

INORGANIC SYNTHESIS, Vol. I—Harold Simmons Booth, ed.—*McGraw-Hill*, 197 p., \$3. The newest methods of inorganic synthesis are here compiled from the writings of many authors in a volume edited by Prof. Booth. A "must" book for students in this field.

Science News Letter, October 28, 1939

Language

HOW TO WRITE BETTER BUSINESS LETTERS—L. E. Frailey—*American Technical Society*, 198 p., \$2.

Science News Letter, October 28, 1939

Education

THE FEDERAL GOVERNMENT AND EDUCATION—Advisory Committee on Education—*Govt. Print. Off.*, 31 p., 35c.

Science News Letter, October 28, 1939

Psychology

HOW TO INCREASE YOUR BRAIN POWER—Donald A. Laird—*Crowell*, 238 p., \$2. An inspirational type of book for those who are aware of mental handicaps and wish to overcome them. Many psycholo-

gists will undoubtedly fail to share Dr. Laird's optimism regarding the ability of those weak in mentality to "pull themselves up by their bootstraps," so to speak.

Science News Letter, October 28, 1939

Economics

COMMODITY YEAR BOOK, 1939—*Commodity Research Bureau*—616 p., \$7.50. Arranged conveniently by commodity, and including many statistical tables, this book covers production and trade through 1938.

Science News Letter, October 28, 1939

Aeronautics

UN DICCIONARIO DE AERONAUTICA, Espanol - Ingles, Ingles - Espanol—C. Thomas Reid—*Aviation Press*, \$3. A Spanish-English aeronautical dictionary is badly needed, with increasing interest in South American aviation; this should prove very useful.

Science News Letter, October 28, 1939

Entomology

A LABORATORY GUIDE IN ENTOMOLOGY, For Introductory Courses—Robert Matheson—*Comstock*, 135 p., \$2.

Science News Letter, October 28, 1939

Conservation

SOIL CONSERVATION SURVEY HANDBOOK—E. A. Norton—*Govt. Print. Off.*, 40 p., 20c. (U. S. Dept. of Agric., Misc. Pub. No. 352).

Science News Letter, October 28, 1939

General Science

SCIENCE PROBLEMS FOR THE JUNIOR HIGH SCHOOL, Book 3—Wilbur L. Beauchamp, John C. Mayfield and Joe Young West—*Scott, Foresman*, 756 p., \$1.68. One of those modern texts that should make junior high school science very interesting. There is an accent on doing and asking why. A list of important science words in the book, with pronunciation and meaning of each one, is an important feature.

Science News Letter, October 28, 1939

Geology

GEOLOGIC MAP AND GUIDE OF THE ISLAND OF OAHU, HAWAII (With a Chapter on Mineral Resources)—Harold T. Stearns—*Distributed by the U. S. Geological Survey, Room 333, Federal Bldg., Honolulu, Hawaii*, 75 p., map. Illustrated highway guide, with large-scale map of one of the best known and most interesting of all the world's volcanic islands.

Science News Letter, October 28, 1939

Statistics

GRAPHIC PRESENTATION—Willard Cope Brinton—*Brinton Associates*, 512 p., \$5. Much more than a manual on how to plot curves and draw diagrams, is this reference work describing a multitude of varied ways of presenting business and other facts vividly and graphically.

Science News Letter, October 28, 1939

Biology

BIOLOGY—Brother H. Charles, F. S. C.—*Bruce Pub. Co., Milwaukee*, 408 p., \$1.72. A textbook in general biology intended for use in Catholic high schools, clearly presented and unusually cleanly illustrated. Special attention is given to the human significances, particularly in the fields of health and conservation.

Science News Letter, October 28, 1939

Botany

PARTNER OF NATURE—Luther Burbank; Wilbur Hall, ed.—*Appleton-Century*, 315 p., \$3. A posthumous work by the well-known California plant breeder, compiled and edited out of great masses of writings which he left behind.

Science News Letter, October 28, 1939

Mineralogy

MINERALS, METALS AND GEMS—A. Hyatt Verrill—*Page*, 293 p., \$3. A generous-sized book of facts and lore about the mineral kingdom, produced by a well-known popular writer.

Science News Letter, October 28, 1939

Zoology

THE WAY OF A LION—Alden G. Stevens—*Stokes*, 144 p., \$1.75. Biography of a magnificent animal, named only The Lion, told by one who knew him during years spent on the East African veldt. A book that lions would understand, if lions could read.

Science News Letter, October 28, 1939

Medicine

MEDICAL OCCUPATIONS FOR GIRLS, Women in White—Lee M. Klinefelter—*Dutton*, 317 p., \$2. Useful information interestingly presented which should help many a girl with a leaning toward medicine find her vocation.

Science News Letter, October 28, 1939

Education

THE EFFECT OF VARIED AMOUNTS OF PHONETIC TRAINING ON PRIMARY READING—Donald C. Agnew—*Duke Univ. Press*, 50 p., \$1.

Science News Letter, October 28, 1939

General Science

TEACHER'S MANUAL, For use with the textbook, "Science in Our Lives"—Benjamin C. Gruenberg and Samuel P. Unzicker—*World Book Co.*, 171 p., 80c.

Science News Letter, October 28, 1939