

• First Glances at New Books

Additional Reviews
On Page 304

Hydrology

FRESH AND BRINY, THE STORY OF WATER AS FRIEND AND FOE—Frances Rogers and Alice Beard—*Stokes*, 309 p., \$2. An easily flowing presentation of some of the principal importances of water: for drinking and washing, for navigation and irrigation, in its manifestations in natural objects both living and non-living. Some of the stories are real thrillers, and many of the line drawings are amusing.

Science News Letter, November 7, 1936

Geology

GEOLOGY OF THE TAMPICO REGION, MEXICO—John M. Muir—*American Association of Petroleum Geologists*, 280 p., \$3.50 to members of the Association, \$4.50 to others. Detailed description of one of the most important of North American petroleum areas. A bibliography of 212 titles on Mexican oil fields is a valuable additional feature.

Science News Letter, November 7, 1936

Nature

NATURE LORE, OR LISTEN TO THE VOICE OF NATURE, Vol. I—H. P. von W. Kjerschow Agersborg—*John S. Swift Company*, 178 p., 75c. Interestingly chatty little essays on a number of things found outdoors, ranging from quail and grouse to fish and snakes, with a somewhat longer discourse on How to Build Your State. The author is a biologist in the National Park Service. Published in planograph, the book is announced as Volume I of a series.

Science News Letter, November 7, 1936

Ethnology

MYTHS OF THE OWENS VALLEY PAIUTE—Julian H. Steward—*Univ. of California Press*, 439 p., 75c. Magic is a favorite theme in these stories told by Indians of eastern California. Dr. Steward has collected 47 myths and includes several of the songs that are used in unique fashion in the story telling of these Indians.

Science News Letter, November 7, 1936

Chemistry

RECENT ADVANCES IN GENERAL CHEMISTRY—Samuel Glasstone—*Blakiston's*, 430 p., illus., \$5. Continuing the author's "Recent Advances" series of review books in the various sciences is this newest volume. The first 51 pages summarize for students of general chemistry the advances in nuclear disintegration and show the growing trend to offer

chemists the basic facts of the new physical discoveries. Frequent reference is made to author's companion volume, "Recent Advances in Physical Chemistry."

Science News Letter, November 7, 1936

Chemistry

FUNDAMENTALS OF QUALITATIVE CHEMICAL ANALYSIS—Roy K. McAlpine and Byron A. Soule—*Van Nostrand*, 325 p., \$2.40. A University of Michigan text which attempts to link more closely the lecture room and the laboratory. Class discussion on specific assignments rather than formal lectures is favored.

Science News Letter, November 7, 1936

Physics

MASTERY UNITS IN PHYSICS—Michael N. Idelson—*Colonial Book Co.*, 250, 38 p., paper 67c., class price 50c., cloth \$1.00, class price 75c. A compact study text containing the basic requirements of high-school physics.

Science News Letter, November 7, 1936

Naval History

OUR NAVY, AN OUTLINE HISTORY FOR YOUNG PEOPLE—Charles J. Finger—*Houghton Mifflin*, 188 p., illus., \$2. Stories of the exploits of the American Navy, from sailing ships to the days of aircraft. Most of the space is devoted to the wooden ships and the iron men who sailed and fought them.

Science News Letter, November 7, 1936

General Science

GENERAL SCIENCE FOR TODAY; Rev. Ed.—Ralph K. Watkins and Ralph C. Bedell—*Macmillan*, 715 p., \$1.72. This revision takes advantage of the things of science and technology that have got into the news, like the China Clipper and the latest stratosphere flight, to point its moral and adorn its tale.

Science News Letter, November 7, 1936

Photography

THE AMERICAN ANNUAL OF PHOTOGRAPHY, 1937, Volume 51—Frank R. Fraprie, Ed.—*American Photographic Publishing Co.*, 324 p., \$1.50 paper, \$2.25 cloth. With many beautiful half-tone reproductions of exceptional photographs, useful chapters on photographic technique, and lists of interest and value to photographers, this volume easily maintains the high standards set by its fifty predecessors.

Science News Letter, November 7, 1936

Biography

VOLTAIRE — Alfred Noyes — *Sheed and Ward*, 643 p., \$3.50. The vulgar notion that Voltaire was a thorough-going atheist and scoffer receives very rough treatment at the hands of one of the most eminent of living poets. The great Frenchman emerges looking a good deal like Erasmus.

Science News Letter, November 7, 1936

Science

A LEARNING GUIDE IN GENERAL SCIENCE—Philip A. Boyer, Arthur S. Clark, Hans C. Gordon, John Shilling—*Lyons and Carnahan*, 225 p., illus., 51c.

Science News Letter, November 7, 1936

Zoology

A LABORATORY MANUAL FOR GENERAL ZOÖLOGY—Katherine McClure Roehl in collaboration with H. H. Newman—*Macmillan*, 99 p., \$1.

Science News Letter, November 7, 1936

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Additional Reviews
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Biography

AUDUBON—Constance Rourke—*Harcourt, Brace*, 342 p., 12 colored Audubon plates, illus. by James MacDonald, \$3. The story of one of America's greatest naturalists—the greater since he was a pioneer—dramatically told and strikingly illustrated. Whether you are a naturalist, or one intrigued by the thrills and hardships of adventurous frontier life, or a lover of beautifully made books, you will want Miss Rourke's *Audubon*.

Science News Letter, November 7, 1936

Animal Husbandry

FEEDS AND FEEDING: A HANDBOOK FOR THE STUDENT AND STOCKMAN. (20th ed.)—F. B. Morrison—*Morrison Pub. Co., Ithaca, N. Y.*, 1050 p., \$5. This book is literally a one-volume encyclopedia on a special subject of tremendous importance in the rural economy of America. Apparently the author has overlooked nothing; he goes into patient detail on what to feed, what the animal will make out of the feed, sources of supply, costs and returns, feeding in relation to breeding, and a score of other points both technical and practical. There are many excellent half-tone illustrations.

Science News Letter, November 7, 1936

Chemistry

PRINCIPLES OF CHEMISTRY (4th ed.)—Joseph H. Roe—*Mosby*, 475 p., \$2.75. New revised edition of one of the popular texts of chemistry for nurses, students of home economics and applied chemistry. The author is professor of biochemistry at George Washington University. Inorganic, organic and physiological chemistry are discussed.

Science News Letter, November 7, 1936

Travel

SKYWAYS TO A JUNGLE LABORATORY, AN AFRICAN ADVENTURE—Grace Crile—*Norton*, 240 p., plates, \$2.75. An air travel log from London over the Great Rift Valley in Africa and back again, as recorded in words and many pictures by the wife of the Cleveland surgeon.

Science News Letter, November 7, 1936

Aluminum

ALUMINUM PAINT AND POWDER: (2nd rev. ed.)—Junius David Edwards—*Reinhold*, 216 p., illus., \$4.50. As assistant to the director of research of the Aluminum Corporation of America the author describes with authority the ap-

plications of aluminum in the paint industry. The book is issued in connection with the celebration in the present year of the fiftieth anniversary of Charles Martin Hall's invention of the commercial process for making aluminum cheaply.

Science News Letter, November 7, 1936

Chemistry—Physics

HANDBOOK OF CHEMISTRY AND PHYSICS, A READY-REFERENCE BOOK OF CHEMICAL AND PHYSICAL DATA: (21st ed.)—Charles D. Hodgman, Ed.—*Chemical Rubber Co.*, 2,023 p., \$6. The newest edition of this most popular reference handbook for scientists and science students includes 175 pages of new composition involving complete revision of several important tables. In actual bulk it is only slightly larger than the 20th edition; the gain is 64 pages.

Science News Letter, November 7, 1936

Mathematics

INTRODUCTION TO THE MATHEMATICS OF BUSINESS—William L. Hart—*Heath*, 321 p., 20 p. of answers, 80 p. of tables, \$2.60. The basic mathematics needed for a student of business administration. The prerequisites include one year of algebra and the mental maturity of a college freshman.

Science News Letter, November 7, 1936

Physics

VIBRATION AND SOUND—Philip M. Morse—*McGraw-Hill*, 351 p., \$4. A text for undergraduate students of physics and electrical communications. Prof. Morse endeavors to derive every fundamental equation needed in the science of vibrating systems. There are few exceptions.

Science News Letter, November 7, 1936

Medicine—Pharmacology

AN INTRODUCTION TO MATERIA MEDICA AND PHARMACOLOGY—Hugh A. McGuigan and Edith P. Brodie—*Mosby*, 580 p., 71 illus., 18 color plates, \$2.75. A textbook for students of nursing which should give the student a very thorough and comprehensive knowledge of the subject.

Science News Letter, November 7, 1936

Sociology

MIGRATION AND ECONOMIC OPPORTUNITY—Carter Goodrich, Bushrod W. Allin and others—*Univ. of Pennsylvania Press*, 763 p., \$5. Now that America is a filled continent, the shift and drift of populations is a matter of more general importance than it used to be, in the days when folk with unsolvable problems just went away from them and headed into the empty West. Whether we shall be able to plan and control such movements is now a matter of hot partisan controversy; but there can be no denying the desirability of at least understanding the movements of human masses as conditioned by such things as the exhaustion of a coal or oil field or the opening up of a new industrial area. The symposium here presented is a serious effort in that direction.

Science News Letter, November 7, 1936

Marine Biology

THE HABITAT AND FOOD OF THE CALIFORNIA SEA MUSSEL—Denis L. Fox, Ed.—*Univ. of California Press*, 64 p., 75c.

Science News Letter, November 7, 1936

Home Economics

HOME CANNING OF FRUITS, VEGETABLES, AND MEATS—Louise Stanley and Mabel C. Steinbarger—*Govt. Print. Off.*, 5c. Free copies may be obtained direct from U. S. Bur. of Home Economics, Washington, D. C.

Science News Letter, November 7, 1936

Medical Sociology

PROCEEDINGS OF THE 1935 ANNUAL CONFERENCE OF THE NATIONAL SOCIETY FOR THE PREVENTION OF THE BLINDNESS—*National Society for the Prevention of Blindness, Inc.*, 173 p., \$1.

Science News Letter, November 7, 1936

Health

HEALTH FOR BODY AND MIND—Walter F. Cobb—*Appleton-Century*, 534 p., \$1.60. A text for high school children written by the medical examiner in the department of hygiene of the College of the City of New York.

Science News Letter, November 7, 1936

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