

• First Glances at New Books

Additional Reviews
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Zoology

ANIMAL NEIGHBORS OF THE COUNTRY-SIDE—Joseph Wharton Lippincott; illus. by Lynn Bogue Hunt—*Lippincott*, 272 p., \$2.50. Delightfully chatty little adventures with native animal folk of all kinds, ranging from bobwhites to skunks. Even the "bad" ones, like crows, are made to appear as most interesting neighbors. In addition to affording fascinating reading, it should stimulate you to go and do in like manner.

Science News Letter, August 20, 1938

Geology

YELLOWSTONE THROUGH THE AGES—Arthur D. Howard—*Columbia Univ. Press*, 64 p., illus., 50c. An imaginatively written popular geological history of the Yellowstone region, with several excellent photographic illustrations. Short enough to read quickly, thin enough to slip into a coat pocket, this pamphlet will form a most desirable traveling companion on a National Parks tour.

Science News Letter, August 20, 1938

Botany

A TEXTBOOK OF GENERAL BOTANY FOR COLLEGES AND UNIVERSITIES (4th ed.)—Richard M. Holman and Wilfred W. Robbins—*Wiley*, 664 p., illus., \$4. One of the most successful of modern botany texts, with extensive revisions, particularly to keep up with the rapid progress of research on absorption, translocation, and other physiological phenomena.

Science News Letter, August 20, 1938

Botany

A LABORATORY GUIDE FOR A COURSE IN GENERAL BOTANY (4th ed.)—Lee Bonar, Lucile Roush, and Richard M. Holman—*Wiley*, 110 p., \$1.25. For use with the foregoing, or may be adapted to courses in which other texts are used.

Science News Letter, August 20, 1938

Forestry—Engineering

MECHANICAL PROPERTIES OF CERTAIN TROPICAL WOODS, CHIEFLY FROM SOUTH AMERICA—William Kynoch and Newell A. Norton—*Univ. of Michigan Press*, 87 p. 25 c. With imported timbers, of kinds hitherto but little used, playing an increasing part in construction, this discussion of a series of tests will undoubtedly be welcomed by builders.

Science News Letter, August 20, 1938

Mathematics

CLEAR THINKING; AN APPROACH THROUGH PLANE GEOMETRY—Leroy H. Schnell and Mildred Crawford—*Harper*, 442 p., \$1.60. It should be a stimulating

experience for a pupil to come upon this text when confronted with a plane geometry course. The early portion of the text arouses interest and presents the reasons why it is important to know geometry.

Science News Letter, August 20, 1938

Journalism

INTERPRETATIVE REPORTING—C. D. Macdougall—*Macmillan*, 682 p., \$3.60. Almost a handbook of newspaper work, this volume will be of interest to anyone who wishes to know how the daily newspaper and the material it contains is produced.

Science News Letter, August 20, 1938

Architecture—Biography

CHANGING THE SKYLINE—Paul Starrett—*Whittlesey House*, 319 p., \$3. The life story of the man who built the most famous early New York skyscraper, the Flatiron Building, and the greatest in the world, the Empire State Building, as well as the Lincoln Memorial in Washington and the great Pennsylvania Terminal in New York City. In a sense it is the biography of the modern office building as developed in this country.

Science News Letter, August 20, 1938

Physiology

ABC OF THE VITAMINS: A SURVEY IN CHARTS—Jennie Gregory—*Williams & Wilkins*, 93 p., \$3. For anyone who wishes to keep up with the vitamin alphabet, this book of pictorial charts will be useful. A remarkably complete story is told in the charts and tables which are more speedily absorbed than mere text.

Science News Letter, August 20, 1938

Engineering

STRENGTH OF MATERIALS—Norman C. Riggs and Max M. Frocht—*Ronald Press*, 432 p., \$3.75. A first course in the subject for use in colleges of engineering, emanating from the Carnegie Institute of Technology.

Science News Letter, August 20, 1938

Mathematics

NEW ANALYTIC GEOMETRY (Rev. ed.)—Percey F. Smith, Arthur S. Gale and John H. Neelley—*Ginn*, 326 p., \$2. A new edition of a standard text book.

Science News Letter, August 20, 1938

Physiology

ATTAINING MANHOOD: A Doctor Talks to Boys About Sex—George W. Corner—*Harper*, 67 p., \$1.25. By the professor of anatomy at the University of Rochester.

Science News Letter, August 20, 1938

Science

INTERNATIONAL ENCYCLOPEDIA OF UNIFIED SCIENCE, vol. I, No. 1: ENCYCLOPEDIA AND UNIFIED SCIENCE—Otto Neurath and others—*Univ. of Chicago Press*, 75 p., \$1. The philosophy, plan and general details underlying the unity of science movement, stemming from international congresses held annually since 1934, is covered by contributions by Otto Neurath, Niels Bohr, John Dewey, Bertrand Russell, Rudolf Carnap, and Charles W. Morris.

Science News Letter, August 20, 1938

Science

INTERNATIONAL ENCYCLOPEDIA OF UNIFIED SCIENCE, Vol. I, No. 2: FOUNDATIONS OF THE THEORY OF SIGNS—Charles W. Morris—*Univ. of Chicago Press*, 59 p., \$1. "Science and signs are inseparably interconnected, since science both presents men with more reliable signs and embodies its results in systems of signs. Human civilization is dependent upon signs and systems of signs, and the human mind is inseparable from the functioning of signs—if indeed mentality is not to be identified with such functioning."

Science News Letter, August 20, 1938

History

THE MEDITERRANEAN WORLD IN ANCIENT TIMES—Eva M. Sanford—*Ronald*, 618 p., illus., \$4.50. A comprehensive text, which painstakingly covers the ancient progress of migrations, governments, and wars throughout the Mediterranean region. Instead of treating early civilizations individually, the history of various powers is meshed into a narrative in which the influence of one group on another is emphasized.

Science News Letter, August 20, 1938

Geology

MINERALS OF CALIFORNIA—Adolf Pabst *Calif. Div. of Mines*, 344 p., \$1.75. Over 400 different minerals are described, and of these California minerals 54 were discovered in the state.

Science News Letter, August 20, 1938

Zoology

GENERAL FUNCTION OF THE GALL BLADDER FROM THE EVOLUTIONARY STANDPOINT—Frank W. Gorham and Andrew Conway Ivy—*Field Museum*, 54 p., 75 c.

Science News Letter, August 20, 1938

Psychology

PSYCHOLOGY AND THE MOTORIST—Herbert A. Toops and S. Edson Haven—*R. G. Adams and Co.*, 265 p., \$2. See page 120.

Science News Letter, August 20, 1938

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Science—Biography

AMERICAN MEN OF SCIENCE (6th ed.)—J. McKen Cattell and Jaques Cattell, eds.—*Science Press*, 1608 p., \$12. About 28,000 scientists are listed in this new edition of the only comprehensive directory in its field, an increase of 6,000 in the five years since the last edition. No reference shelf in the field of intellectual endeavor is complete without this volume.

Science News Letter, August 20, 1938

Science

THE ROCKEFELLER FOUNDATION ANNUAL REPORT, 1937—*Rockefeller Foundation, New York City*, 506 p., illus. Free upon direct request to Rockefeller Foundation. The major objective of the Rockefeller Foundation is "the well-being of mankind throughout the world." This report of activities in almost all intellectual fields and geographical areas reflects the age-old internationalism of science as well as the "new international barriers" of intolerance that have arisen in recent years. Despite the unhappy setbacks that world conditions have caused in some cases, the activities of the Rockefeller Foundation epitomize the breadth and unceasing advance of intellectual endeavor.

Science News Letter, August 20, 1938

Science

SCIENCE IN GENERAL EDUCATION—Report of the Committee on the Function of Science in General Education, Commission on Secondary School Curriculum—*Appleton-Century*, 591 p., \$3. A detailed discussion of science teaching in relation to the problems of education in secondary schools and in the lower divisions of colleges. Aimed principally at science teachers, there are many book-lists and much other material of that nature.

Science News Letter, August 20, 1938

Medicine

THE ACCIDENT OF BIRTH—The Editors of *Fortune*—*Farrar & Rinehart*, 40 p., 75 c. A reprint of an article discussing the birth control industry but not treating the techniques of contraception.

Science News Letter, August 20, 1938

Physiology

PLAN FOR MARRIAGE: AN INTELLIGENT APPROACH TO MARRIAGE AND PARENTHOOD—Joseph Kirk Folsom, ed.—*Harper*, 305 p., \$3. The extra-curricular series of lectures on Marriage and Family Life given at Vassar in 1937 received

wide attention. Here made available in book form are the facts and the ways of thinking which seemed to be useful and helpful to those who attended the lectures. It is a practical, helpful discussion of the functional and spiritual aspects of the love relationship.

Science News Letter, August 20, 1938

Medicine

BRITISH PERIODICALS OF MEDICINE, A CHRONOLOGICAL LIST—W. R. Lefanu—*Johns Hopkins*, 93 p., \$1.25. The librarian of the Royal College of Surgeons of England has compiled this list of British medical periodicals, covering the period from 1684 through the first months of 1938. It is indexed by title.

Science News Letter, August 20, 1938

Chemistry

SMITH'S INTRODUCTORY COLLEGE CHEMISTRY (Rev. ed.)—James Kendall—*Appleton-Century*, 570 p., \$3.25.

Science News Letter, August 20, 1938

Medicine

THE TRUTH ABOUT CHILDBIRTH—Anthony M. Ludovici—*Dutton*, 294 p., \$2.50. The author, who is not a physician, has an idea that because, as he claims, "a healthy cat will purr when having her kittens," women should be able to give birth to children without benefit of anesthesia and find it a pleasurable experience.

Science News Letter, August 20, 1938

Physiology

LIFE, HEAT, AND ALTITUDE: PHYSIOLOGICAL EFFECTS OF HOT CLIMATES AND GREAT HEIGHTS—David Bruce Dill—*Harvard Univ. Press*, 211 p., \$2.50. A considerable amount of scientific and even technical information is presented in this book, but the style is so readable and there are so many interesting illustrative stories that the layman as well as the scientist will enjoy the book.

Science News Letter, August 20, 1938

Chemistry

CHEMISTRY AT WORK—William McPherson, William Edwards Henderson, and George Winegar Fowler—*Ginn*, 672 p., \$1.80. The college text book of McPherson and Henderson is so widely known that it is only necessary to say here that they have turned their ability to the preparation of a high school text in chemistry with the help of the supervisor of science of the city schools of Syracuse, New York.

Science News Letter, August 20, 1938

Biography

EDISON'S OPEN DOOR: THE LIFE STORY OF THOMAS A. EDISON, A GREAT INDIVIDUALIST—Alfred O. Tate—*Dutton*, 320 p., \$3. Here is an anecdotal biography of Edison by his long-time secretary. The scientific achievements of Edison are less adequately covered in this book than they have been in previous biographies, but the author's intimate knowledge of Edison-the-man makes his writing one which will fill in the many blank spots in the world's knowledge of the life of America's greatest inventor.

Science News Letter, August 20, 1938

Biography

SUBMARINE: THE AUTOBIOGRAPHY OF SIMON LAKE—Herbert Corey—*Appleton*, 303 p., illus., \$3. For years the now-veteran American inventor, Simon Lake, has been going not down to the sea in ships but down under the sea in ships. More than any one man in the world, probably, Mr. Lake knows his submarine. His autobiography will be a standard reference work in this field for many years to come. Mr. Corey's skill as a writer needs no comment.

Science News Letter, August 20, 1938

Biography—Surgery

J. B. MURPHY, STORMY PETREL OF SURGERY—Loyal Davis—*Putnam's*, 311 p., \$3. The biography of this colorful figure who was one of America's great surgeons makes fascinating reading for layman as well as physician. Dr. Davis has done a splendid job. The characters live, the story is told dramatically, and while Murphy is the hero of the story, the author does not fail to give a just and understanding picture of the hero's opponents.

Science News Letter, August 20, 1938

Chemistry

INDUSTRIAL CHEMISTRY (2d ed.)—W. T. Read—*Wiley*, 605 p., \$5. This book, now thoroughly revised, gives a well-balanced picture of modern industries from the standpoint of chemistry.

Science News Letter, August 20, 1938

Metallurgy

METALLURGY—Carl G. Johnson, R. S. Dean and J. L. Gregg—*American Technical Society*, 149 p., illus., \$1.50. An introduction to the science of metallurgy by experts from Worcester Polytechnic Institute, the U. S. Bureau of Mines, and Battelle Memorial Institute.

Science News Letter, August 20, 1938