

• First Glances at New Books

Additional Reviews
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Reference Books

AMERICAN WOMEN: THE OFFICIAL WHO'S WHO AMONG THE WOMEN OF THE NATION. VOL. II: 1937-38—Durward Howes, ed.—*American Publications Inc.*, 826 p., \$10. Since the first edition of this Women's Who's Who, of course much additional biographical material has been added, as well as hundreds of new names not before included. Geographical and occupational indices, a list of women's organizations and a statistical summary add to the value of the book, which includes nearly eight thousand biographies.

Science News Letter, November 20, 1937

Histology

A TEXTBOOK OF HISTOLOGY (7th ed.)—Harvey Ernest Jordan—*Appleton-Century*, 738 p., illus., \$7.50.

Science News Letter, November 20, 1937

Science

OUR ENVIRONMENT: HOW WE USE AND CONTROL IT—George C. Wood and Harry A. Carpenter—*Allyn and Bacon*, 834 p., illus., \$1.80. New edition of a high school text in general science that has gone through three printings in four years.

Science News Letter, November 20, 1937

Paleontology

A STUDY OF THE MIOCENE SIRENIAN DESMOSTYLUS—V. L. Vanderhoof—*Univ. of California*, 92 p., plates, \$1. Detailed descriptive work of interest only to the professional paleontologist.

Science News Letter, November 20, 1937

Bibliography

BOOKS THAT HAVE SHAPED THE WORLD—Fred Eastman—*American Library Assn.*, 62 p., \$1., 90 c. to Libraries. Annotated lists of the great books in biography, drama and other literature—two hundred in all. Brief introductory chapters invite reading, in a charming manner.

Science News Letter, November 20, 1937

Embryology

A TEXTBOOK OF EMBRYOLOGY—(3rd ed.)—Harvey Ernest Jordan and James Ernest Kindred—*Appleton-Century*, 613 p., illus., \$7.

Science News Letter, November 20, 1937

Medicine

THE DIARY OF A SURGEON IN THE YEAR 1751-1752—John Knyveton; Ed. by Ernest Gray—*Appleton-Century Co.*, 322 p., \$2.50. Although the picture this book gives of medical practice and education in the 18th century will be more

appreciated by physicians than laymen, the lay reader will find much of general interest in this diary of a country boy who went to London to study medicine and subsequently had a most exciting career as surgeon's mate in the British Navy.

Science News Letter, November 20, 1937

Physical Education

PHYSICAL EDUCATION FOR THE CLASSROOM TEACHER—Dorothy LaSalle—*A. S. Barnes*, 209 p., illus., \$2. This simply written, practical book should accomplish its aim of helping the class room teacher, trained by academic disciplines, to use physical education as one means of preparing the child to take his place in the world.

Science News Letter, November 20, 1937

Air-Conditioning

DEGREE-DAY HANDBOOK (2d ed.)—Clifford Strock and C. H. B. Hotchkiss—*Industrial Press*, 298 p., \$3. A handbook for air conditioning engineers. Data and tables for checking heating plant operation and predicting fuel consumption.

Science News Letter, November 20, 1937

Geology

ECONOMIC GEOLOGY (7th ed.)—H. Ries—*Wiley*, 720 p., illus., \$5. New facts and illustrations add to the value of this new edition of a work which has been standard in its field for a generation.

Science News Letter, November 20, 1937

Aeronautics

BOY'S BOOK OF FLYING—Charles Boff—*Dutton*, 240 p., \$2. Mostly about British planes and British flying.

Science News Letter, November 20, 1937

Physics

THE FUNDAMENTAL PRINCIPLES OF QUANTUM MECHANICS—Edwin C. Kemble—*McGraw-Hill*, 611 p., \$6. This book will aid research on the properties of matter or understanding recent attempts to create a relativistic form of quantum theory.

Science News Letter, November 20, 1937

Limnology

THE LIFE OF INLAND WATERS (3d ed.)—James G. Needham and J. T. Lloyd—*Comstock*, 438 p., \$3. A most practical vade-mecum for the biologist interested in aquatic life attests past success and anticipates the future by going into its third edition.

Science News Letter, November 20, 1937

Science—Economics

BULLETIN OF THE COLONIAL INSTITUTE OF AMSTERDAM—Published in collaboration with the Netherlands Pacific Institute, Amsterdam, Vol. 1, No. 1. Quarterly, \$4.50 a volume. A new bilingual journal (English and Dutch) dedicated to the task of making better known the problems and achievements of the Dutch in the Netherlands East Indies. Contributions concern both economics and science: this first issue contains a discussion of the budget of the Netherlands East Indies, a Statistical Abstract, an article on malaria in the Netherlands East Indies, one on social organization in Borneo, Celebes, and the Moluccas, etc.

Science News Letter, November 20, 1937

Meteorology

WEATHER—Gayle Pickwell—*Hugh F. Newman & Co., Los Angeles*, 170 p., plates, \$3. A popular book about weather needs not only an adequate text (which this one has) but also plenty of pictures. This book was wisely made up with quite large pages (9 x 11½ inches) so that full-page half-tones (lots of them) really are something to look at.

Science News Letter, November 20, 1937

Physics

SCIENCE AND MUSIC—Sir James Jeans—*Macmillan*, 258 p., \$2.75. See page 325.

Science News Letter, November 20, 1937

Agriculture

THE RESPONSE OF GOVERNMENT TO AGRICULTURE—Arthur P. Chew—*Govt. Print. Off.*, 108 p., 50 c. An account of the origin and development of the U. S. Department of Agriculture, on the occasion of its seventy-fifth anniversary. See page 333.

Science News Letter, November 20, 1937

OCCUPATIONAL GUIDANCE

By

PAUL W. CHAPMAN

A book of valuable information concerning occupations open to men and women. Praised by leaders in the vocational field as well as by authorities in the occupations treated. Simply and interestingly written. Profusely illustrated.

List Price \$1.76

TURNER E. SMITH & CO.
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Additional Reviews
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Conservation, Juvenile

PATHS TO CONSERVATION—James S. Tippet—*Heath*, 299 p., 88 c. As conservationists place seeds and saplings where they want grasslands and forests to come back again, so wise educators plant ideas in minds as young as possible where they want to reap later harvests of effective civic action. This book, well planned, palatable to quite young minds, leads to appreciation of the value and necessity for conservation by steps easy but certain and lasting.

Science News Letter, November 20, 1937

Zoology, Juvenile

OUR TOWN AND CITY ANIMALS—Francis E. Clark and Katharine L. Keelor—*Heath*, 218 p., 76 c. The pets, work animals, park birds, zoological park inhabitants, etc., that a city child is likely to meet, presented in a style attractive to junior readers.

Science News Letter, November 20, 1937

Zoology, Juvenile

ON CHARLIE CLARK'S FARM—Katharine L. Keelor—*Heath*, 196 p., 72 c. The small hero of his book, Charlie, goes to live on the old home farm. His adventures there with domestic and wild animals serve as introduction for young readers making their first ventures into the field of animal study.

Science News Letter, November 20, 1937

Railroad History

PORTRAITS OF THE IRON HORSE: The American Locomotive in Picture and Story—Robert S. Henry, illus. by Otto Kuhler—*Rand McNally*, 80 p., \$2. A beautifully produced history in picture and story of the most thrilling thing on the railroad: the steam locomotive. Make no mistake about it, the iron horse has had a thrilling past and has an important future. They're all here: from Peter Cooper's Tom Thumb to the giant streamlined steam units of today.

Science News Letter, November 20, 1937

Engineering

AIR CONDITIONING MANUAL—*Domestic Engineering Co.*, 238 p., charts, \$3. For the air conditioning technician. Much of the material is presented in strikingly legible blueprint form.

Science News Letter, November 20, 1937

Astronomy

INTRODUCING THE CONSTELLATIONS—Robert H. Baker—*Viking Press*, 205 p., \$2.50. The University of Illinois' pro-

fessor of astronomy tells something of the skies for the benefit of the layman who is curious to know the names of the stars. Charts and photographs plus some historical notes are worked into the text.

Science News Letter, November 20, 1937

Mathematics

CARL FRIEDRICH GAUSS—G. Waldo Dunnington, Trans. and Ed.—*Louisiana State Univ.*, 91 p., \$1. This volume contains translations of several of the lesser known works of Gauss, ranked with Laplace and Lagrange as one of the three modern masters of mathematics. His inaugural lecture as director of the University of Goettingen Observatory and a brief account of his early life are included.

Science News Letter, November 20, 1937

Mathematics

SOCIALIZED GENERAL MATHEMATICS—Walter W. Hart and Cottell Gregory—*Heath*, 406 p., \$1.28. Intended to teach quantitative thinking about socially useful material, especially for high school students who are not taking the customary mathematics work in the early years of their course.

Science News Letter, November 20, 1937

Chemistry

GENERAL CHEMISTRY FOR COLLEGES (Rev.)—B. Smith Hopkins—*Heath*, 758 p., \$3.72. For use in the intensive introductory college chemistry course that presupposes a year of high school chemistry.

Science News Letter, November 20, 1937

Mathematics

TEACHING ARITHMETIC IN THE ELEMENTARY SCHOOL. Vol. 1, Primary Grades—Robert Lee Morton—*Silver Burdett*, 410 p., \$2.40. A rewriting of the author's "Teaching Arithmetic in the Primary Grades," first published ten years ago.

Science News Letter, November 20, 1937

Natural History

NATURE STUDIES—L. D. Wooster—*Swift, obtainable through The R. S. Markwell Bookstores, Hays, Kansas*, 115 p., \$1. A small book, planographed, spiral-bound, for the younger investigators of natural history.

Science News Letter, November 20, 1937

Zoology

THE MORPHOLOGY, DIVISION AND CONJUGATION OF THE SALT-MARSH CILIATE FABREA SALINA HENNEGUY—John Marshall Ellis—*Univ. of California Press*, 46 p., illus., 75 c.

Science News Letter, November 20, 1937

Science

ANNUAL REPORT OF THE BOARD OF REGENTS OF THE SMITHSONIAN INSTITUTION SHOWING THE OPERATIONS, EXPENDITURES, AND CONDITION OF THE INSTITUTION FOR THE YEAR ENDED JUNE 30, 1936—*Govt. Print. Off.*, 446 p., illus., \$1.50. This record of another year's progress in one of America's oldest and most comprehensive scientific institutions includes 23 highly interesting articles on subjects ranging all the way from the size and age of the Universe by Sir James Jeans to the habits of the vampire bat by Dr. Raymond L. Ditmars.

Science News Letter, November 20, 1937

Genetics

GENETICS AND THE ORIGIN OF SPECIES—Theodosius Dobzhansky—*Columbia Univ.*, 364 p., \$3.60. One of the most thorough-going and best organized treatises on genetics as it applies to the problems of evolution that has yet appeared. A special advantage enjoyed by the author, which he passes on to his readers, is his full familiarity with the important work in genetics now going on in the USSR.

Science News Letter, November 20, 1937

Botany

BRITISH STEM- AND LEAF-FUNGI (COELOMYCETES). Vol. II.—W. B. Grove—*Cambridge (Macmillan)*, 407 p., \$6. The second and completing volume of a comprehensive British work in mycology; the appearance of the first volume was noticed in SNL for Sept. 21, 1935.

Science News Letter, November 20, 1937

Pathology

CYTOLOGICAL VARIATIONS IN THE BLOOD AND BLOOD-FORMING ORGANS OF WHITE-FOOTED MICE EXPERIMENTALLY INFECTED WITH TRYPANOSOMA CRUZI—Sherwin F. Wood—*Univ. of California Press*, 21 p., illus., 50 c.

Science News Letter, November 20, 1937

Zoology

MORPHOLOGY OF THE POCKET GOPHER MAMMALIAN GENUS THOMOMYS—John Eric Hill—*Univ. of California Press*, 93 p., \$1.

Science News Letter, November 20, 1937

Chemistry

ELEMENTARY EXPERIMENTAL CHEMISTRY—John C. Hogg and Charles L. Bickel—*Oxford Univ.*, 288 p., \$2. Laboratory work for the high school student.

Science News Letter, November 20, 1937