

• First Glances at New Books

Additional Reviews

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Seismology

THEORETICAL AND APPLIED SEISMOLOGY—Akitune Imamura—*Maruzen Co., Tokyo*, 358 p., \$3.50. A veteran master of the science of seismology here gives us the ripe fruit of his many years of experience and study. Translated into excellent English by Prof. Imamura's friend, D. Kennedy of Yokohama, and put into remarkably good print by a Tokyo firm, this book comes as a most timely offering that will triumphantly survive present political shocks and leave the author's scholarly fame standing for generations, solid and imperturbable as Fuji.

Science News Letter, January 29, 1938

Astronomy

A STAR ATLAS AND REFERENCE HANDBOOK (EPOCH 1920) FOR STUDENTS AND AMATEURS (6th ed.)—Arthur P. Norton and J. Gall Inglis—*Gall and Inglis, Sold in America by Eastern Science Supply Co.*, 49 p., 17 maps and text, \$5. A new edition of a very successful handbook for amateur astronomers.

Science News Letter, January 29, 1938

Ornithology

OUT OF DOORS WITH BIRDS—Emma F. Byers—*Womans Press*, 84 p., \$1. A book of appreciation of birds, rather than a handbook for bird identification or bird study. It will appeal especially to those who are fond of birds and want to know something more about them without burdening themselves too heavily with ornithological detail.

Science News Letter, January 29, 1938

Paleontology

METHODS IN PALEONTOLOGY—Charles L. Camp and G. Dallas Hanna—*Univ. of California*, 153 p., \$2.50. A technical book for the paleontological student and collector. It is clearly written, and contains good illustrations, index and bibliography.

Science News Letter, January 29, 1938

Geology

EARTH-LORE: GEOLOGY WITHOUT JARGON—S. J. Shand—*Dutton*, 144 p., illus., \$1.25. Not pretending to be exhaustive, this small popularly-styled book has an attractively written text. No index.

Science News Letter, January 29, 1938

Geography

ANTARCTIC ICEBREAKERS—Lorene K. Fox—*Doubleday*, 319 p., illus., \$2.50. The lure has been strong for many years, of the earth's most severely for-

bidden land, the land that is mostly ice—Antarctica. Here is a popular account of efforts toward Farthest South through something more than a century and a half, from sailing ships to the aircraft of Ellsworth and Byrd.

Science News Letter, January 29, 1938

Geography

HEROES OF THE FARTHEST NORTH AND FARTHEST SOUTH (Rev. ed.)—J. Kennedy Maclean and Chelsea Fraser—*Crowell*, 484 p., \$2.50.

Science News Letter, January 29, 1938

Biology

THE AXIOMATIC METHOD IN BIOLOGY—J. H. Woodger—*Cambridge (Macmillan)*, 174 p., \$3.75. The effort is here made to apply the methods of modern symbolic logic to concepts in biology, thereby conferring on that "inexact" science at least part of the strictness of method possible in such disciplines as physics and astronomy, where full mathematical expression is possible.

Science News Letter, January 29, 1938

Medicine

THE ROMANCE OF RUSSIAN MEDICINE—Michael L. Ravitch—*Liveright*, 352 p., \$3. This readable history of Russian Medicine contains much material that will be interesting to non-medical as well as medical readers.

Science News Letter, January 29, 1938

Medicine

EPITOME OF THE PHARMACOPEIA OF THE UNITED STATES AND THE NATIONAL FORMULARY WITH COMMENTS—Robert A. Hatcher, Ernest E. Irons, Torald Sollmann and Paul N. Leech—*Amer. Medical Assn.*, 244 p., 60 c.

Science News Letter, January 29, 1938

Education

THE SELECTION OF BOOKS FOR ADULT STUDY GROUPS—Margaret Charters Lyon—*Teachers College, Columbia Univ.*, 228 p., \$2.35. This is a technical book for educators on standards for selecting reading materials, and does not contain bibliographies.

Science News Letter, January 29, 1938

Engineering

SYMPOSIUM ON CORROSION TESTING PROCEDURES—*American Society for Testing Materials*, 131 p., \$1.25 paper, \$1.50 cloth.

Science News Letter, January 29, 1938

Botany

FLORA OF PERU, Part VI. No. 2—J. Francis Macbride—*Field Museum of Natural History*, 126 p., \$1.50.

Science News Letter, January 29, 1938

Physics

GLOSSARY OF PHYSICS—Le Roy D. Weld, ed.—*McGraw-Hill*, 255 p., \$2.50. What is a Compton electron, or a gilbert, or the Kossel-Somerfeld laws? This valuable glossary of terms in physics will give you the answers, along with hundreds of items currently used in this science. Prof. Weld started this book as a collection of cards in an index, for the use of his students. With the aid of a large advisory committee, the material is now made available to everyone.

Science News Letter, January 29, 1938

Radio

RADIO AMATEUR COURSE—George W. Shuart—*Short Wave & Television*, 142 p., 50 c. An elementary self-instruction course on radio by an amateur operator.

Science News Letter, January 29, 1938

Mathematics

BUSINESS MATHEMATICS: AN INTRODUCTORY TEXTBOOK—J. Donald Watson—*Ronald Press*, \$2.50. Interest, foreign exchange, annuities, bonds and merchandise are some of the chapter headings of the book which disclose the scope of this university text. The author is associate professor of finance at the University of Notre Dame.

Science News Letter, January 29, 1938

Mathematics

BUSINESS ARITHMETIC (Rev. ed.)—C. W. Sutton and N. J. Lennes—*Allyn and Bacon*, 586 p., \$1.40. Mathematics for schools of commerce in high schools or colleges as well as in business schools. Plenty of problems and numerous drills in fundamentals make this a worthy book.

Science News Letter, January 29, 1938

Astronomy

THE NATURE OF VARIABLE STARS—Paul W. Merrill—*Macmillan*, 130 p., \$2. For both the trained astronomer and the layman interested in astronomy is this book on the known knowledge of those stars which change their brightness. The volume is the outgrowth of a series of articles appearing in *Popular Astronomy*.

Science News Letter, January 29, 1938

Biology

LABORATORY OUTLINES FOR ANIMAL BIOLOGY (Rev. ed.)—Michael F. Guyer and Halcyon W. Hellbaum—*Harper*, 273 p., \$1.50. A new edition of one of the most thorough and carefully planned laboratory manuals available for first-year college work in zoology.

Science News Letter, January 29, 1938

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Child Psychology

PREDICTION AND PREVENTION OF READING DIFFICULTIES—Margaret A. Stanger and Ellen K. Donohue—*Oxford Univ. Press*, 191 p., \$2. So many children have their own individual difficulties in learning to read and write that such difficulties may almost be considered as normal. If your child or your pupil fails to learn easily, he should have the benefit early of individual study as well as instruction. This volume by a psychologist and a director of speech education gives aid in the diagnosis and prevention of reading difficulties.

Science News Letter, January 29, 1938

Public Health

PERSONNEL POLICIES IN PUBLIC HEALTH NURSING—Marian G. Randall—*Macmillan*, 170 p., \$2. Nursing organizations, registries of nurses and organizations which require nurses on their staff should find useful this volume, prepared for the National Organization for Public Health Nursing.

Science News Letter, January 29, 1938

Child Psychology

MODERN WAYS WITH BABIES: PHYSICAL AND MENTAL DEVELOPMENT—Elizabeth B. Hurlock—*Lippincott*, 347 p., illus., \$2.50. An authentic book containing the information that parents want to have about their children. The author intends this volume to bridge the gap between the scientific investigators and parents.

Science News Letter, January 29, 1938

Psychology

HELP YOURSELF TO HAPPINESS—David Seabury—*Whittlesey*, 345 p., \$2.50. This book is designed, according to the publisher, to help the reader cure himself of his mental difficulties. It is written in popular entertaining style. It should not, of course, be substituted for a visit to the physician in case real mental illness is present.

Science News Letter, January 29, 1938

Psychology

THE REAL USE OF THE UNCONSCIOUS—Chandler Bennitt—*Dial Press*, 380 p., \$3. A psychological work which does not seem to have the practical application that might be implied by the title.

Science News Letter, January 29, 1938

Sociology

MORE SECURITY FOR OLD AGE—Margaret Grant Schneider and the Committee on Old-Age Security—*Twentieth Century Fund*, 191 p., \$1.75. The authors estimate that the cost of old-age

security in the United States will amount in 1980 to more than three and one-half billions of dollars. They believe that the adoption of the present Social Security Act was a significant start in providing adequately for the aged. A plan is offered by the committee for filling what they believe to be inadequacies and shortcomings in the Act.

Science News Letter, January 29, 1938

Botany

GUIDE TO EASTERN FERNS—Edgar T. Wherry—*Science Press*, 220 p., illus., \$1. Wherry's name has come to be synonymous, among botanists, with careful, accurate taxonomic work and a judicious and sympathetic understanding of the ecological requirements of the plants he deals with. This small but complete and well illustrated book on ferns (pocket size for field convenience) is certain of enthusiastic welcome and wide use.

Science News Letter, January 29, 1938

General Science

REPORT OF THE SECRETARY OF THE SMITHSONIAN INSTITUTION AND FINANCIAL REPORT OF THE EXECUTIVE COMMITTEE OF THE BOARD OF REGENTS, 1937—*Govt. Print. Off.*, 123 p., 20 c.

Science News Letter, January 29, 1938

Photography

THE PHOTO-GUIDE. 5: HOW TO ENLARGE—W. Peterhans, 41 p. 6: VIVID PORTRAITS WITH A SIMPLE CAMERA—W. H. Doering, 40 p. 7: LIGHT FILTERS, HOW AND WHEN TO USE THEM—K. Brandt, 40 p. 8: ACTION SNAPSHOTS, HOW TO TAKE THEM—H. Starke, 44 p.—*American Photographic Publishing Co.*, 50 c. ea. Good, sound, simple, clearly-illustrated descriptions of how it's done, useful to any photographer who wants more than "just snapshots."

Science News Letter, January 29, 1938

Photography

MODERN MASTERS OF PHOTOGRAPHY. SERIES I: PICTORIALISTS—Heyworth Campbell, ed.—*Galleon*, 37 looseleaf plates, each 11x14 in., \$3. A beautiful job, deserving many hours of careful study.

Science News Letter, January 29, 1938

Photography

MAKING PICTURES WITH THE MINIATURE CAMERA: A WORKING MANUAL—Jacob Deschin—*Whittlesey House*, 156 p., 47 plates, \$3. A book dedicated to the beginner.

Science News Letter, January 29, 1938

History of Science

NATURALISTS OF THE FRONTIER—Samuel Wood Geiser—*Southern Methodist University Press*, 341 p., \$3. What carries men of fine mind, many of them of distinguished ancestry and position, to lost and dusty frontiers, years of obscure poverty, and in the end perhaps unmarked graves and forgotten names? Prof. Geiser's careful biographical research and sympathetic narrative of the lives and labors of a number of such figures gives us understanding. These also followed the gleam that led Columbus and Magellan, LaSalle and Marquette, and if the world at large knows little of their work, that work is still not lost. It underlies much of our modern scientific knowledge, like solid bricks in the lower courses of a foundation.

Science News Letter, January 29, 1938

Physics

HYDRO- AND AERODYNAMICS: A THEORETICAL TEXTBOOK FOR ADVANCED STUDENTS OF AERONAUTICS, HYDRAULICS, PHYSICS AND MATHEMATICS—S. L. Green—*Pitman*, 166 p., \$3.50. Typically British in its format, style and thoroughness is this book of mathematical physics. The word "advanced" in the subtitle of the book really means what it says.

Science News Letter, January 29, 1938

Chemistry

COLLATERAL READINGS IN INORGANIC CHEMISTRY—L. A. Goldblatt, ed.—*Appleton-Century*, 225 p., \$1.35. By a photo offset process are reproduced a valuable collection of additional readings from technical chemical magazines for any serious student of inorganic chemistry. Summaries of the lives and work of outstanding chemists, and significant chemical processes are given with a minimum of technical language or detail.

Science News Letter, January 29, 1938

Psychology

BEHAVIORISM AT TWENTY-FIVE—A. A. Roback—*Sci-Art*, 256 p., \$1.75. Behaviorism is 25 years old but no enthusiasm marked the anniversary. Dr. Roback, long opposed to behaviorism, celebrates by the issue of this critical volume.

Science News Letter, January 29, 1938

Political Science

EXPENDITURES OF THE FEDERAL GOVERNMENT—John A. Krout, ed.—*Acad. of Political Science*, 137 p., \$2.50.

Science News Letter, January 29, 1938