

• First Glances at New Books

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Gardening

NORTH AMERICAN ROCK PLANTS (First Series)—W. H. A. Preece—*Macmillan*, 204 p., illus., \$3.50. A book the ambitious home gardener will prize. Half the pages are full-page halftones; the descriptions opposite tell briefly but satisfactorily what the plant is like and what kind of habitat it must be given.

Science News Letter, December 4, 1937

Gardening

THE PRACTICAL BOOK OF GARDEN STRUCTURE AND DESIGN—Harold Donaldson Eberlein and Cortland Van Dyke Hubbard—*Lippincott*, 233 p., illus., \$5. Discussion of the planning and making of gardens, with all imaginable accessories from pools to bowling greens, is thorough and practical, and 233 good collotype illustrations show how the points discussed have been actually worked out in existing gardens.

Science News Letter, December 4, 1937

General Science

PAPERS OF THE MICHIGAN ACADEMY OF SCIENCE ARTS AND LETTERS. VOL. XXII—Eugene S. McCartney and Alfred H. Stockard, eds.—*Univ. of Michigan Press*, 717 p., illus., \$4. A veritable storehouse of varied scientific wealth, ranging from uses of basswood fiber by Indians to the age of fish.

Science News Letter, December 4, 1937

Agriculture

SOIL SURVEY MANUAL—Charles E. Kellogg—*Govt. Print. Off.*, 136 p., illus., 35 c. An intensely practical pamphlet giving instructions for all necessary steps in making a soil survey, from the initial mapping to the collection and analysis of samples. With the soil at last recognized as a dominant factor in civilization, the development of adequate methods and personnel for soil surveys assumes ever-increasing importance.

Science News Letter, December 4, 1937

Anthropology

PREHISTORIC MAN (2d ed.)—Henry Field—*Field Museum*, 45 p., illus., 25 c.

Science News Letter, December 4, 1937

Technology

SYMPOSIUM ON WEAR OF METALS—*American Society for Testing Materials*, 105 p., illus., \$1.25.

Science News Letter, December 4, 1937

Astronomy

EXPLORING THE HEAVENS—Clyde Fisher—*Crowell*, 223 p., illus., \$2.50. The author is head of the Hayden Planetarium and curator of astronomy at the Ameri-

can Museum of Natural History; therefore should be well qualified to know the astronomical interests of the general public and the most effective popular presentation of facts about the heavens. The style is clear, direct, concise; the illustrations well chosen and photographically good.

Science News Letter, December 4, 1937

Physics

ATOMIC ARTILLERY—John K. Robertson—*Van Nostrand*, 177 p., \$2.25. A short, yet comprehensive survey of why and how the twentieth century physicist is invading the interior of the atom. Designed primarily for the tyro in science, this volume requires no mathematical background to be understood.

Science News Letter, December 4, 1937

Statistics

STATISTICAL METHODS APPLIED TO EXPERIMENTS IN AGRICULTURE AND BIOLOGY—George W. Snedecor—*Collegiate Press*, 341 p., \$3.75. A technical book for the agricultural economist dealing with statistics. The author is director of the Statistical Laboratory of Iowa State College and head of the Statistical Section of the Iowa Agricultural Experiment Station.

Science News Letter, December 4, 1937

Physiology—Philosophy

BIOLOGICAL TIME—P. Lecomte du Noüy—*Macmillan*, 180 p., \$2. In this book, Lecomte de Noüy undertakes to introduce a new concept of time "which has a beginning and an end (and) does not seem to flow at a uniform rate. We will indicate the possibility of deriving from our own organism a unit of time different from the classical one derived from the rotation of the earth around its axis. We will also attempt to show the quantitative discrepancy between conceptual and physiological time."

Science News Letter, December 4, 1937

Agriculture

FARM CHEMURGIC JOURNAL. VOL. I, NO. 1, DEDICATED TO THE PROCEEDINGS OF THE THIRD DEARBORN CONFERENCE—*National Farm Chemurgic Council, Inc.*, 182 p., \$1. A new journal, intended to be the official organ of the Farm Chemurgic movement. Contributions in the initial number consist of records of remarks and papers by the late Francis P. Garvan, Dr. Karl T. Compton, Dr. George W. Carver, Dr. William J. Hale, and others.

Science News Letter, December 4, 1937

Aviation

LAST FLIGHT—Amelia Earhart—*Harcourt, Brace*, 226 p., \$2.50. The log of Amelia Earhart's last flight plus a reproduction of a short and simple note she had left with her publisher husband, George Palmer Putnam, in the event that any flight she made ended in disaster. The book was to have been titled "World Flight" if it ended the way Miss Earhart and her backers planned.

Science News Letter, December 4, 1937

Meteorology

THE FLOODS OF MARCH 1936. PART I: NEW ENGLAND RIVERS—Nathan C. Glover—*Govt. Print. Off.*, 466 p., illus., 70 c. This compilation of flood records will be invaluable to the engineer who must contend with high waters.

Science News Letter, December 4, 1937

Zoology, Juvenile

THE PET CLUB—Kathrine W. Masters—*Heath*, 223 p., 92 c. The story of how a group of children had fun and learned about animals at the same time by having pets in school and pets in the garden. Attractively illustrated.

Science News Letter, December 4, 1937

Zoology, Juvenile

SNIFF—James S. Tippett and Martha Kelly Tippett—*Heath*, 184 p., 80 c. The story of a puppy, in big type for small folks' eyes. Very interesting colored pictures.

Science News Letter, December 4, 1937

Zoology, Juvenile

WILD AMERICANS—Oren Arnold—*Albert Whitman*, 159 p., illus., \$1.50. Adventure stories of young Americans with American wild animals, with much information painlessly administered in conversational form, and plenty of attractive photographic illustrations.

Science News Letter, December 4, 1937

Chemistry

THE DIFFUSION OF CERTAIN AMINO ACIDS IN AQUEOUS SOLUTION—John W. Mehl and Carl L. A. Schmidt—*Univ. of California Press*, 23 p., 25 c.

Science News Letter, December 4, 1937

Astronomy—Radio

SUNSPOTS AND THEIR EFFECTS—Harlan True Stetson—*Whittlesey House*, 201 p., \$2. See page 360.

Science News Letter, December 4, 1937

Psychology

VISUAL GROUPING IN RELATION TO AGE—Grace Preyer Rush—*Archives of Psychology*, 94 p., \$1.25.

Science News Letter, December 4, 1937

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HANDBOOK OF SCIENTIFIC AND TECHNICAL SOCIETIES AND INSTITUTIONS OF THE UNITED STATES AND CANADA (3rd ed.)—Callie Hull, S. J. Cook and E. R. Berry, compilers—*National Research Council*, 283 p., \$3 paper, \$3.50 cloth. An extremely valuable reference book, again brought up to date. A necessity for libraries, it is useful also to schools, research workers and even offices. The index lists not only society names, but subjects, journals published and such things as fellowships and research funds available through institutions.

Science News Letter, December 4, 1937

Oceanography

THE MARION AND GENERAL GREENE EXPEDITIONS TO DAVIS STRAIT AND LABRADOR SEA . . . 1928, 1931, 1933, 1934, 1935: Scientific Results, Part 2—Edward H. Smith, Floyd M. Soule and Olav Mosby—*Govt. Print Off.*, 259 p., 75 c. Within the past decade the U. S. Coast Guard has conducted one of the world's most extensive and fruitful programs of oceanographic research in connection with its ice patrol and other duties. Physical oceanographic results are detailed in this volume.

Science News Letter, December 4, 1937

Photography

MINIATURE PHOTOGRAPHY FROM ONE AMATEUR TO ANOTHER—Richard L. Simon—*Simon and Schuster*, 168 p., illus., \$1.75. Clear, practical, and readable is this handy reference book intended for the beginner in miniature photography.

Science News Letter, December 4, 1937

Photography

CREATIVE CAMERA ART—Max Thorek—*Fomo*, 156 p., illus., \$3.75. A better title might be "Creative Darkroom Art." The author describes in detail the techniques that have won for him a distinguished place in photographic salons.

Science News Letter, December 4, 1937

Dendrology

A LEAF KEY TO FLORIDA BROAD-LEAVED TREES, NATIVE AND EXOTIC, EXCEPT PALMS—Mary Franklin Barrett—*Published by author, 57 Union Street, Montclair, New Jersey*, 79 p., ill., \$1. Winter sojourners in Florida would like to know the names of the trees with which they are so richly surrounded, but even if they are competent botanists they are often still baffled, because the trees may not be offering any flowers by which they can be identified. This little book

using leaves after the manner of the ancients but following modern methods, resolves the dilemma nicely.

Science News Letter, December 4, 1937

History of Science

THE HISTORY OF SCIENCE AND THE NEW HUMANISM (Rev. ed.)—George Sarton—*Harvard Univ.*, 196 p., \$2. The scientific view of history and the historical view of science which Dr. Sarton practices and expounds is one of the intellectually significant movements of the age.

Science News Letter, December 4, 1937

Geology—Biology

THE GEOLOGY AND BIOLOGY OF THE SAN CARLOS MOUNTAINS, TAMAULIPAS, MEXICO—Directed by Lewis Burnett Kellum—*Univ. of Michigan Press*, 341 p., illus., maps, \$5. As one of the first detailed studies of the eastern part of Mexico, this study will serve as a nucleus around which other detailed studies can be correlated.

Science News Letter, December 4, 1937

Volcanology

MOUNT ST. HELENS: A RECENT CASCADE VOLCANO—Jean Verhoogen—*Univ. Calif. Press*, 29 p., illus., 65 c. Detailed technical description of a volcano in the Cascade Mountains that may have erupted as recently as 1854.

Science News Letter, December 4, 1937

Economics

ELEMENTS OF MODERN ECONOMICS—Albert L. Meyers—*Prentice-Hall*, 363 p., \$4. A beginning text conforming to recent developments in economic and monetary theory.

Science News Letter, December 4, 1937

Psychology

DYNAMICS IN BINOCULAR DEPTH PERCEPTION—Heinz Werner—*Psychological Review Co.*, 127 p., \$2. The report of experiments performed at the psychological laboratory of the University of Michigan.

Science News Letter, December 4, 1937

Psychology

MEMORY TRACE FOR FIGURES IN RECALL AND RECOGNITION—Nelson Gilbert Hanawalt—*Archives of Psychology*, 89 p., \$1.25.

Science News Letter, December 4, 1937

Child Psychology

STUDIES IN EMOTIONAL ADJUSTMENT—Hyman Brandt, Harold M. Williams, and Harold S. Carlson—*Univ. of Iowa*, 102 p., \$1 paper, \$1.35 cloth.

Science News Letter, December 4, 1937

Agriculture—History

SEED FROM MADAGASCAR—Duncan Clinch Heyward—*Univ. of North Carolina Press*, 256 p., illus., \$3.50. A former governor of South Carolina talks about old days in the Carolina Low Country, where his great-grandfather owned and managed seventeen plantations. Ante-bellum rice planting (which was a combination of engineering and agriculture), and reminiscences and traditions of interesting persons both white and black, are mingled with shrewd comment on social and economic changes.

Science News Letter, December 4, 1937

Science

ASPECTS OF SCIENCE—Tobias Dantzig—*Macmillan*, 285 p., \$3. "This book is an essay on faith. Not the faith which grew out of weariness and fear of oblivion, and which projected life beyond life, but faith in the reign of reason, which was to conquer fear and lead the triumphant march of man towards a more abundant life." A mathematician looks upon history and science, past and present, with a philosophical eye.

Science News Letter, December 4, 1937

Research

SCIENTIFIC METHOD: ITS PHILOSOPHICAL BASIS AND ITS MODES OF APPLICATION—F. W. Westaway—*Hillman-Curl*, 588 p., \$3.75. Encyclopedic treatment of the methodical procedure of scientific investigation, with stress upon its philosophy and logic. Famous scientists of the past and today and their work are quoted extensively.

Science News Letter, December 4, 1937

Child Psychology

RHYTHMIC RESPONSES OF NEGRO AND WHITE CHILDREN TWO TO SIX, WITH A SPECIAL FOCUS ON REGULATED AND FREE RHYTHM SITUATIONS—Dorothy Van Alstyne and Emily Osborne—*Society for Research in Child Development National Research Council*, 63 p., 75 c. Little Negro children are about 50 per cent better than the Whites in learning rhythms, it was found.

Science News Letter, December 4, 1937

Technology

A. S. T. M. STANDARDS ON TEXTILE MATERIALS—*American Society for Testing Materials*, 306 p., illus., \$2.

Science News Letter, December 4, 1937

Zoology

THE OXYSTOMATOUS AND ALLIED CRABS OF AMERICA—Mary J. Rathbun—*Govt. Print. Off.*, 278 p., illus., 60 c.

Science News Letter, December 4, 1937