

• First Glances at New Books

Zoology

THE ALLIGATOR'S LIFE HISTORY—E. A. McIlhenny—*Christopher Publishing House*, 117 p., \$2.50. The author, and his fathers before him, have lived for more than a century on an island off the Louisiana coast, in a veritable 'gator paradise. He therefore knows his reptilian neighbors as intimates, and can produce both data and lore which no mere visitor, however scientific, could ever hope to get. The fact-crammed text is leavened with dozens of splendid full-page halftone plates.

Science News Letter, June 1, 1935

Mineralogy

MADE OF EARTH—*Cornell University*, 31 p., 10c. Cornell Rural School Leaflet, vol. 28, no. 4. A brief but interesting and understandable account of ceramics.

Science News Letter, June 1, 1935

Zoology

CREATURES GREAT AND SMALL—H. Rossiter Snyder—*Loring & Mussey*, 78 p., \$2. Beautiful animal photographs with an afterword telling something of the technical details concerned with making them.

Science News Letter, June 1, 1935

Botany

AN INTRODUCTION TO PLANT LIFE—Carl L. Wilson and Julia M. Haber—*Henry Holt*, 507 p., \$3. First-year textbook for college use; special attention is paid to function, and to everyday contacts of mankind with plant life.

Science News Letter, June 1, 1935

Psychology

DIFFERENTIAL OCCUPATIONAL ABILITY PATTERNS—Beatrice Jeanne Dvorak—*The University of Minnesota Press*, 46 p., \$1.

Science News Letter, June 1, 1935

Astronomy

ASTRONOMICAL GEOGRAPHY SERIES: Blank Sky Map with sheets locating stars, sun, moon and planets, 15c; Planet Plotting Chart, 15c; Sun Altitude Indicator, 25c; Equation of Time (Paper slide rule), 10c. Set., 50c. — *Geographical Press*.

Science News Letter, June 1, 1935

Psychology

I AM GROWING UP: BOOK I—CONDUCT; BOOK II—MANNERS—Garry C. Myers, 2 vols., each vol. 20c (single copies); 12 or more, 15c each; 100 or more, 12c each. **SCHOOL, HOME AND YOU**—J. W. Irwin and G. C. Myers, 160 p.,

single copies, 44c; 12 or more, 35c each; 100 or more, 27c each. **MANNERS AND PERSONALITY IN SCHOOL AND BUSINESS**—J. W. Irwin, 128 p., single copies, 40c; 12 or more, 30c; 100 or more, 25c. **MENTAL HYGIENE**—Lorin A. Thompson, 96 p., single copies, 30c; 12 or more, 25c; 100 or more, 20c. *School and College Service*. Little handbooks intended for school children.

Science News Letter, June 1, 1935

Education

WILLINGLY TO SCHOOL—Claire T. Zyve, with photography by Wendell MacRae—*Round Table Press*, 110 p., \$3. A book of wonderful photography showing dramatically how the modern elementary school links "book learning" with real life in all its beauty. Children, as well as those who love children, will enjoy poring over this artistic volume.

Science News Letter, June 1, 1935

Astronomy

DISCOVER THE STARS—Gaylord Johnson—*Leisure League of America, Inc.*, 106 p., 25c. A simply written account of the way to learn the stars and constellations, cleverly illustrated by the author. It tells how to make your own planetarium by painting stars on the inside of an opened umbrella and do other tricks which take the mystery out of elementary astronomy.

Science News Letter, June 1, 1935

Embryology

A LABORATORY MANUAL OF VERTEBRATE EMBRYOLOGY—Hubert Vecchierello and John L. Worden—*St. Anthony Guild Press*, 92 p., \$2.50. The logical order of presentation and the simple clearness of the diagrammatic illustrations mark this teaching book as the work of men who need not shame to boast scientific descent from Malpighi, and a part in a lineal tradition of investigative scholarship that goes back to Roger Bacon.

Science News Letter, June 1, 1935

Geology

THE ARCHITECTURAL, STRUCTURAL, AND MONUMENTAL STONES OF MINNESOTA—George A. Thiel and Carl E. Dutton—*University of Minnesota Press*, 169 p., 12 colored plates, \$2.50. There is a good deal more in this small book than the title pretends: as much geology as is pertinent, discussions of quarrying and dressing techniques, testing methods and architectural possibilities.

Science News Letter, June 1, 1935

Anthropology—Sociology

FRONTIER FOLKWAYS—James G. Leyburn—*Yale Univ. Press.*, 291 p., \$3.00. This book answers the question: What happens to men's customs and social institutions when they go to a frontier? The process, endlessly repeated by pioneers, "so long as there was land on ahead for earth-hungry men to occupy," is analyzed by study of eight frontier societies. Prof. Leyburn has chosen his examples from all parts of the world—Massachusetts Bay, New Zealand, Brazil, Australia, Java, and other places where settlers have made "new adjustments to a raw environment."

Science News Letter, June 1, 1935

Geographical Nomenclature

ARIZONA PLACE NAMES—Will C. Barnes—*Univ. of Arizona*, 503 p., \$1.50. Arranged dictionary-style, this thick paper-back book contains reference information on hundreds of names met in Arizona. A sentence serves to locate and describe some; others are given almost a page. For more than 30 years, the author says, he has been gathering information from "old timers, Indians, Mexicans, cowboys, sheep-herders, historians, any and everybody who had a story to tell as to the origin and meaning of Arizona names."

Science News Letter, June 1, 1935

Medicine

CLINICAL LABORATORY METHODS AND DIAGNOSIS—R. B. H. Gradwohl—*C. V. Mosby*, 1028 p., \$8.50. This detailed, comprehensive and well-illustrated text should prove extremely useful to medical student, practicing physician and laboratory technician. Not only are complete details given for performing the tests but the author also presents the underlying chemistry or physiology and the clinical interpretation of the tests. The material ranges from photomicrography and preparation of museum specimens to the Asheim-Zondek test for pregnancy.

Science News Letter, June 1, 1935

Medicine

SEXUAL REGULATIONS AND CULTURAL BEHAVIOUR—J. D. Unwin—*Oxford University Press*, 62 p., 85c. Those thinking persons who are wondering what will become of our present civilization and in what direction we are heading will find this a stimulating discussion. The booklet is a summary of the author's larger book, *Sex and Culture*.

Science News Letter, June 1, 1935

Astronomy

A GUIDE TO THE CONSTELLATIONS (2nd ed.)—S. G. Barton and W. H. Barton, Jr.—*Whittlesey House*, 84 p., \$3. Since the first edition of this excellent book of skymaps-with-text was published, the planet Pluto has been discovered and a number of other changes in astronomic knowledge have been wrought. These are duly taken account of in this revised edition.

Science News Letter, June 1, 1935

Engineering

SOME EFFECTS OF SOIL, WATER, AND CLIMATE UPON THE CONSTRUCTION, LIFE, AND MAINTENANCE OF HIGHWAYS—F. H. Eno—*Ohio State Engineering Experiment Station*, 143 p., 50c.

Science News Letter, June 1, 1935

Evolution

EVOLUTION—FACT OR FANCY?—Hubert Vecchierello—*St. Anthony Guild Press*, 11 p., 50c. A brief discussion in support of Theistic Evolution. The pamphlet bears the *imprimatur* of Cardinal Hayes.

Science News Letter, June 1, 1935

Physics

EFFECT OF QUALITY AND INTENSITY OF LIGHT ON VISUAL PERFORMANCE—K. Y. Tang—*Ohio State Engineering Experiment Station*, 20 p., 20c.

Science News Letter, June 1, 1935

Mathematics

VOCATIONAL MATHEMATICS IN UNIT FORM — Carl S. Hedstrom — *Edwards Bros.*, 315 p., tables, \$2.25. Delightfully practical, the high school student who has a chance to use this book should see the usefulness and importance of mathematics. And that is half the battle. Lithoprinted.

Science News Letter, June 1, 1935

Biology

GENERAL BIOLOGY—H. R. Barrows—*Farrar & Rinehart*, 640 p., \$3.50. A well-arranged general textbook for a one-year college course in general biology.

Science News Letter, June 1, 1935

Radio

WORLD SHORT-WAVE RADIOPHONE TRANSMITTERS—Comp. by Lawrence D. Batson—*Electrical Div., U. S. Bur. of For. and Dom. Comm.*, 138 p., 25c.

Science News Letter, June 1, 1935

Library Science

LIVING WITH BOOKS — Helen E. Haines — *Columbia University Press*, 519 p., \$4. Books are here approached in much the same fashion that a biologist approaches an organism: classification,

form, function, relationships to other books, history and evolution. The general reader will find in this work paths to a better appreciation of what he reads; to the librarian it will probably become a veritable evangel.

Science News Letter, June 1, 1935

Bacteriology

BACTERIOLOGY OF THE HOME—Ava L. Johnson—*Manual Arts Press*, 167 p., \$2.25. An approach to the problems of bacteriology in terms of everyday life: dust, dishwashing, bread and meat, vegetables and milk. It is written in terms the average housekeeper can understand, and enlivened with illustrations produced by experiments that are also everyday experiences in a house.

Science News Letter, June 1, 1935

Physics

HEAT—*Cornell University*, 31 p., 10c. Cornell Rural School Leaflet, vol. 28, no. 3. A simply written explanation of the more practical applications of heat: How to make things warm and cold; how heat controls weather, and the relation of heat to both plant and animal life.

Science News Letter, June 1, 1935

Astronomy

A DESCRIPTIVE STUDY OF THE SPECTRA OF THE A-TYPE STARS—William W. Morgan—*University of Chicago*, 123 p., \$1.50. Detailed tabular listings, with brief text discussion. Of interest to professional astronomers.

Science News Letter, June 1, 1935

Geology

INTRODUCTION TO GEOLOGY—E. B. Branson and W. A. Tarr—*McGraw-Hill*, 478 p., \$3.75. A well-arranged first year text for college use.

Science News Letter, June 1, 1935

Agricultural Economics

ECONOMICS OF THE FARM BUSINESS—Theodor Brinkmann; tr. by Elizabeth T. Benedict, H. H. Stippler and M. R. Benedict—*University of California Press*, 172 p., \$2. A modern classic in agricultural economics, made available to students who might have difficulty with the original German version. In a day when agricultural economics are a major factor in politics and even religion, this book is sure of an attentive audience.

Science News Letter, June 1, 1935

General Science

PROCEEDINGS OF THE FIFTH PACIFIC SCIENCE CONGRESS (under auspices of the National Research Council of Canada), *Univ. of Toronto*, in five vols., 4227 p., \$20 (single vols. \$5 each, post paid). A complete account of one of the most outstanding international scientific meetings held in recent years. All papers are printed in full, with stenographic reports of comments during the discussion periods, and there are many illustrations, charts and tables. While major attention is directed to scientific problems, pure and applied, arising in the Pacific area, the papers presented are not limited to such discussion, but are world-ranging in scope.

Science News Letter, June 1, 1935

Ornithology

NATURAL HISTORY PICTURES—UNIT THREE: BIRD STUDIES—Gayle Pickwell—*Publishers Distributing Service*, 48 pictures and 71 p. of text, \$6. Uniform with the series reviewed in SNL, May 25, and of the same high value as teaching material.

Science News Letter, June 1, 1935

Biology

ADVENTURES IN THINKING: A WORKBOOK IN BIOLOGY—Helen Gardner Mank—*Benj. H. Sanborn*, 352 p., \$1. A workbook in biology for high schools.

Science News Letter, June 1, 1935

Genetics

THE PRINCIPLES OF HEREDITY—Laurence H. Snyder—*D. C. Heath*, 398 p., \$3. A modern, well-worked out general text, good also as a one-volume reference book.

Science News Letter, June 1, 1935

Genetics

THE GENETICS OF GARDEN PLANTS—M. B. Crane and W. J. C. Lawrence—*Macmillan*, 252 p., \$3. Products of the garden are usually judged as individuals, and with a far more critical eye than is turned on products of the field. Size, shape, color, odor and flavor of the individual specimen count heavily in determining marketability. A book that will help horticulturists to approach their breeding problems more practicably and with a closer application of modern scientific method, as this work does, will doubtless be accorded a good welcome.

Science News Letter, June 1, 1935

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