

• First Glances at New Books

Biography

THE WORLD AS I SEE IT—Albert Einstein—*Covici-Friede*, 290 p., \$2.50. Selected writings of Prof. Einstein so chosen as to paint the word picture of Einstein the man. The first half of the book consists of various addresses and papers on science and relativity prepared for lay audiences and readers. The last half deals with Prof. Einstein's convictions on Judaism, world politics and peace, and the collection of correspondence relating to his resignation from the Prussian Academy of Science following the ascension of Nazism in Germany.

Science News Letter, December 29, 1934

Botany

PHOTOTROPIC SENSITIVITY IN RELATION TO WAVELENGTH—Earl S. Johnston—*Smithsonian Institution*, 17 p., 2 pl., 10c. Using oat seedlings as sensitive indicators, Dr. Johnston found two wavelength bands of maximum effectiveness in causing bending, at 4400 Å and 4700-4800 Å respectively.

Science News Letter, December 29, 1934

Standards

BOOK OF A. S. T. M. STANDARDS, 1934—*American Society for Testing Materials*, 1257 p., paper, \$7.00; cloth, \$8.00.

Science News Letter, December 29, 1934

Ecology

THE LIFE FORMS OF PLANTS AND STATISTICAL PLANT GEOGRAPHY—C. Raunkiaer—*Clarendon Press*, 632 p., 189 figures, \$14. Students of plant ecology, and botanists generally, will welcome this one-volume collection, in English, of the works of one of the great masters of their craft. Raunkiaer's classification of plants by life forms, and his demonstration of the relation of these to geographic distribution, are among the most clarifying of modern ecological concepts.

Science News Letter, December 29, 1934

Zoology

CONFESSIONS OF A SCIENTIST—Raymond L. Ditmars—*Macmillan*, 241 p., \$3.50. He who lives in a great city of varied inhabitants will have many interesting experiences; but when he lives in the city that is the modern zoological garden, filled with such diverse folk as vampire bats, mambas

and tarantulas, he has material for stories that would make even Sindbad gasp—especially when he can add thereto the many curious reactions of the biped animals outside the cages.

Science News Letter, December 29, 1934

Physics

THE NEW BACKGROUND OF SCIENCE (Revised edition)—Sir James Jeans—*Macmillan* 312 p., \$2.50. Second edition of the book which first appeared in 1933. The major change has been to incorporate the necessary revisions caused by the discovery of the neutrons and positrons as constituents of the atom.

Science News Letter, December 29, 1934

Physical Education

PHYSICAL EDUCATION FOR THE ELEMENTARY SCHOOL CLASSROOM—Robert C. Rice—*Burgess Pub. Co.*, 31 p., mimeographed, \$1.35. This book gives detailed and illustrated directions for teaching physical education in classrooms designed for academic subjects and having little or no athletic equipment.

Science News Letter, December 29, 1934

Photography

THE AMERICAN ANNUAL OF PHOTOGRAPHY, 1935—*American Photographic Publishing Company*, 298 p., \$1.50 paper, \$2.25 cloth. Last minute articles on photographic technique combined with the customary beautiful collection of photographs from all over the world.

Science News Letter, December 29, 1934

Science

PROCEEDINGS AND SCIENTIFIC PAPERS, FIFTH PACIFIC SCIENCE CONGRESS, June, 1933. 5 volumes—*University of Toronto Press*, \$20 for set. Includes 500 scientific papers presented at the Congress which met at Victoria and Vancouver under the auspices of the National Research Council of Canada in June, 1933.

Science News Letter, December 29, 1934

Marine Biology

HALF MILE DOWN—William Beebe—*Harcourt, Brace*, 344 p., \$5. The "deepest down divin'est, longest under stayin'est" of contemporary American naturalists takes us all for a ride in his bathysphere. This book, with its vivid descriptions and its many equally vivid illustrations, will undoubtedly be found in many a Christmas stocking this year.

Science News Letter, December 29, 1934

Engineering

THE MECHANICS OF ENGINEERING—S. D. Chambers—*Macmillan*, 279 p., \$3.50. A college text covering the essentials of statics and kinetics written by the associate professor of applied mechanics at Purdue University.

Science News Letter, December 29, 1934

Ornithology

CATALOGUE OF BIRDS OF THE AMERICAS: PART VII—Charles E. Hellmayr—*Field Museum of Natural History*, 531 p., \$4. The newest addition to this notable catalogue, covering Corvidae, Trogloditidae and Turdididae, with nine other smaller families. Of interest principally to professional ornithologists.

Science News Letter, December 29, 1934

Mathematics

SELECTED TOPICS IN ALGEBRAIC GEOMETRY—II—Supplemental Report of the Comm. on Rational Transformations—*National Research Council*, 84 p., \$1.00.

Science News Letter, December 29, 1934

Radio

BROADCAST RECEIVER DESIGN—G. S. Granger, 36 p., 50c.; ALL-WAVE RECEIVER DESIGN—G. S. Granger, 29 p., 50c.; HIGH-FIDELITY RECEIVER DESIGN—G. S. Granger, 31 p., 50c.; Set of three, \$1.—*Manson Publishing Co.*, New York.

Science News Letter, December 29, 1934

Physics

ELECTROLYTES—Hans Falkenhagen, translated by R. P. Bell—*Oxford*, 336 p., \$9.50. Technical volume on theory of electrolytes. The book is based on the plan suggested by Prof. P. Debye.

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