

# • First Glances at New Books

## Electrochemistry

SPARKS FROM THE ELECTRODE—C. L. Mantell—*Williams & Wilkins*, 127 p., \$1. The industries born of the union of electricity and chemistry have their stories told. The development of electro-chemistry has occurred with such a rush, with such intense industrial application and such benefits to civilization, that this volume in the Century of Progress Series will be welcomed by those who wish the background and information on electro-chemical developments and prospects.

*Science News Letter, June 24, 1933*

## General Science

MAJOR MYSTERIES OF SCIENCE—H. Gordon Garbedian—*Covici Friede*, 355 p., \$3.75. In the various fields of science there are many problems which have not been solved. Mr. Garbedian discusses twenty-seven of these in as many chapters, making a book which is a useful popular guide to future achievements in science.

*Science News Letter, June 24, 1933*

## Physics

THE ELEMENTS OF THE NEW QUANTUM MECHANICS—Otto Halpern and Hans Thirring, translated by Henry L. Brose—*Dutton*, 215 p., \$3.25. A welcome detailed treatment of the new quantum mechanics conveniently divided into the development up to 1926, the further development since then and the achievements of the theory.

*Science News Letter, June 24, 1933*

## Chemistry

PRINCIPLES OF GENERAL CHEMISTRY—Stuart R. Brinkley—*Macmillan*, 585 p., \$3.50. A revised edition of a textbook intended primarily to meet the requirements of a general college for students who have had a preparatory course in chemistry.

*Science News Letter, June 24, 1933*

## History of Science

THE HEROIC AGE OF SCIENCE—William Arthur Heidel—*Williams & Wilkins*, 203 p., \$2.50. In this Carnegie Institution of Washington publication, the research professor of the Greek language and literature in Wesleyan University, presents a study upon the conception, ideals and methods of science among the ancient Greeks. He traces the original connection of Greek science with magic and religion and then scrutinizes the methods of Greek science

considering observation, induction, classification, analogy and experimentation. Interesting is his conclusion that "what distinguishes the best scientific procedure of modern times is chiefly the refinement of technique."

*Science News Letter, June 24, 1933*

## Economic Botany

PLANTS USEFUL TO MAN—W. W. Robbins and Francis Ramaley—*Blakiston's*, 428 p., \$3. There has long been a need for just this book: a compact but complete, botanically correct but popular readable work on the origin, present distribution and uses of the principal food, drug and ornamental plants. If your five-foot shelf of botanical reference works is already filled, extend it one inch to make room for Robbins and Ramaley.

*Science News Letter, June 24, 1933*

## Astronomy

ASTRONOMICAL ATLASES, MAPS AND CHARTS—Basil Brown—*Frederick Warne & Co.*, 200 p., \$5. In beautiful format and with splendid reproductions of illustrations from early astronomical publications, this volume constitutes a guide to literature and rare books, atlases, charts, catalogues, globes, zodiacs and planispheres of the early days of astronomy.

*Science News Letter, June 24, 1933*

## Biography

WALLACE CLEMENT SABINE—William Dana Orcutt—*Plimpton Press*, 376 p., \$5. The biography of a great American scientist whose contributions to acoustics are classic.

*Science News Letter, June 24, 1933*

## Mathematics

HANDBOOK OF MATHEMATICAL TABLES AND FORMULAS—Compiled by Richard Stevens Burington—*Handbook Publishers*, 251 p., \$2.

*Science News Letter, June 24, 1933*

## Zoology

TEXTBOOK OF GENERAL ZOOLOGY—Winterton C. Curtis and Mary J. Guthrie—*Wiley*, 588 p., \$3.75. A second edition of a successful textbook.

*Science News Letter, June 24, 1933*

## Anthropology

THE RACES OF MANKIND—Henry Field—*Field Museum of Natural History*, 40 p., 9 pl., 25c. Brief descriptions of races portrayed in sculpture in the new Chauncey Keep Memorial Hall at the Field Museum. The nine photogravure plates show some of the finest of the sculptures, which are by Malvina Hoffman. Sir Arthur Keith has written a critical appreciation of the collection, which makes an attractive introduction to the pamphlet.

*Science News Letter, June 24, 1933*

## Chemistry

INDUSTRIAL CHEMISTRY—William Thornton Read—*John Wiley*, 576 p., \$5. There is presented in this book, intended for use as a college text and a reference source for business men, a picture of modern industries from the standpoint of chemical compounds and changes, chemical engineering operations, sources of raw materials, uses of products and economic relationships. The author is dean of the School of Chemistry at Rutgers University.

*Science News Letter, June 24, 1933*

## General Science

UNIVERSITY STUDIES: CAMBRIDGE 1933—Edited by Harold Wright—*Ivor Nicholson and Watson, London*, 294 p., 10 s 6 d. Nine essays by leaders among the younger graduates of Cambridge, summing up what is being done at their university in the sciences and the liberal arts.

*Science News Letter, June 24, 1933*

## Biology-Philosophy

THE GREAT ENIGMA—H. H. Schauinsland, transl. by W. H. Schauinsland—*Dutton*, 93 p., \$1.25. A German biologist looks anew at the "unexplainable residuum" left by all mechanistic explanations of life, and ends by frankly embracing mysticism.

*Science News Letter, June 24, 1933*

## Mathematics

PLANE GEOMETRY—Frank M. Morgan, John A. Foberg, W. E. Breckenridge, edited by John Wesley Young—*Houghton Mifflin*, 436 p., \$1.40.

*Science News Letter, June 24, 1933*

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