

• First Glances at New Books

Additional Reviews
On Page 384

Mining

MAN AND METALS—T. A. Rickard—*Whittlesey House*, 2 vol., \$10. As a history of mining in relation to the development of civilization, these two volumes by an eminent mining engineer and editor will assume a permanent place upon reference shelves. This does not mean that the book is not readable, for it is. Mr. Rickard's well-illustrated story begins in the ages without metals and ends with a glimpse at the romance of modern mining.

Science News Letter, June 17, 1933

Vocational Guidance

CAREERS AHEAD—Joseph Cottler and Harold Brecht—*Little, Brown*, 312 p., \$2.50. Telling in narrative form a little about each of a number of occupations. Entertaining and beautifully illustrated by photographs in aquatone. Intended for the high school student.

Science News Letter, June 17, 1933

History of Science

THE LAMARCK MANUSCRIPTS AT HARVARD—Edited by William Morton Wheeler and Thomas Barbour—*Harvard Univ. Press.*, xxxi+202 p., \$2.50. Students of the history of zoology and of evolution will eagerly welcome this book, making generally accessible source-material hitherto available only by pilgrimage to Cambridge. The first part reproduces the manuscripts in their original language; the second gives good English translations. The book comprises Lamarck's writings on Gall's System; Idea and Imagination; Analytic Revision of Human Knowledge; Zoological Questions; Natural History, and General Observational Excursion.

Science News Letter, June 17, 1933

Transportation

THE TRANSPORTATION CRISIS—G. Lloyd Wilson—*Holston House, Sears*, 334 p., \$2.50.

Science News Letter, June 17, 1933

Archaeology

THE EXCAVATIONS AT DURA-EUROPOS, Fourth Season, 1930-1931—Edited by P. V. C. Baur, M. I. Rostovtzeff, and Alfred R. Bellinger—*Yale University Press*, 290 p., 26 pl., \$3. Continuing work at this stronghold of the desert, the expedition found new temples, the governor's palace, and inscriptions, graffiti, and frescoes of great interest. Several blocks of houses were cleared, showing the character of the city. The

inscription on the triumphal arch outside the walls was reconstructed, revealing that the Romans were in Dura at least fifty years earlier than had been supposed.

Science News Letter, June 17, 1933

Agriculture

PREVENTION AND CONTROL OF FARM FIRES—Edited by Alson Secor—*Nat'l Fire Protection Ass'n.*, 167 p., 85c. Fire is an even worse enemy of the farmer than of the urbanite, for the fire department is farther away and apt to be less massive in its artillery. The rural dweller must therefore be more self-sufficient, and especially must he depend on sound construction and preventive precautions. This book, covering the whole field from gasoline stoves and incubators to lightning and forest fires, will be a most useful aid.

Science News Letter, June 17, 1933

Biography

JESSE MACY: AN AUTOBIOGRAPHY—Edited and arranged by Katherine Macy Noyes—*Thomas*, 192 p., \$2. The story of the late Prof. Jesse Macy of Grinnell College, pioneer in the development of political science as a distinct academic discipline, quietly told as his Quaker upbringing would necessarily have it, yet rich with incident as a career which bridged the time between the Civil War and the World War was bound to be.

Science News Letter, June 17, 1933

Psychology-Education

PSYCHOLOGICAL PRINCIPLES OF EDUCATION—Francis F. Powers and Willis L. Uhl—*Century*, 570 p., \$2.50. A textbook designed for first-year courses in educational psychology. The authors emphasize a classification of six types of mental function: problem solving, acquisition of knowledge, acquisition of skill, social competence, creative activity, and aesthetic experiencing. A discussion of theory for students rather than a practical handbook for teachers.

Science News Letter, June 17, 1933

Education

NINTH YEARBOOK—Committee on Standards—*Educational Press Association of America*, 31 p., Free.

Science News Letter, June 17, 1933

Mathematics

COLLEGE ALGEBRA—Joseph B. Rosenbach and Edwin A. Whitman—*Ginn*, 394 p., \$2.

Science News Letter, June 17, 1933

Reference

FAMOUS FIRST FACTS—Joseph Nathan Kane—*H. W. Wilson*, 757 p., \$3.50. A record of first happenings, discoveries and inventions in the United States which will be useful for reference shelves and for those who delight in tidbits of historical facts.

Science News Letter, June 17, 1933

Ornithology

BRIEF BIRD BIOGRAPHIES—J. Fletcher Street—*Grosset and Dunlap*, 160 p., \$1. Arranged by habitat associations, the commoner birds are briefly described and most attractively pictured, one whole page to each bird. An excellent book for the really appreciative amateur.

Science News Letter, June 17, 1933

Psychology

THE BLIND IN SCHOOL AND SOCIETY—Thomas D. Cutsforth—*Appleton*, 263 p., \$2.50. The author has more than an academic interest in blind children and adults: when he was eleven years old he lost his sight. The blind child is not just a normal child who cannot see. He needs special care and understanding.

Science News Letter, June 17, 1933

Pathology

URINE AND URINALYSIS—Louis Ger-shenfeld—*Lea and Febiger*, 272 p., \$2.75. For the practicing physician, the laboratory technician, the nurse and others professionally interested in the subject. The book is more than a laboratory manual, in that it discusses briefly but simply the physiological and pathological aspects of kidney secretion and of the various diagnostic tests now included in urinalysis.

Science News Letter, June 17, 1933

Bibliography

BOOK LIST BOOKS, 1932—*American Library Association*, 57 p., 65c.

Science News Letter, June 17, 1933

Engineering

THE HOOVER DAM POWER AND WATER CONTRACTS AND RELATED DATA—Ray Lyman Wilbur and Northcutt Ely—*Govt. Print. Off.*, 674 p., not for sale.

Science News Letter, June 17, 1933

General Science

REPORT OF THE NATIONAL RESEARCH COUNCIL FOR THE YEAR, JULY 1, 1931—JUNE 30, 1932—*Govt. Print. Off.*, 99 p., Free.

Science News Letter, June 17, 1933

• First Glances at New Books

Additional Reviews
On Page 383

History-Social Sciences

A CENTURY OF PROGRESS—Edited by Charles A. Beard—*Harper*, 452 p., \$3. The last hundred years of American progress are reviewed by authorities in fifteen different fields. Dr. Beard, the historian, contributes a chapter on The Idea of Progress. Invention as a Social Manifestation is by Waldemar Kaempfert. Medicine is written by Fielding H. Garrison, and the Advancement of Natural Science is by Watson Davis. Other authors are: Henry Ford, Edward Hungerford, Frank O. Lowden, William Green, H. Parker Willis, Jane Addams, Grace Abbott, Charles H. Judd, Fiske Kimball and John Erskine. The book is timed to appear so that it may be read during the progress of Chicago's Century of Progress Fair.

Science News Letter, June 17, 1933

Archaeology

THE ARCHAEOLOGY OF GREENE COUNTY—Glenn A. Black—*Historical Bureau, Indiana Library and Historical Dept.*, p. 183-328, 36 pl., Free. Evidence is presented that mounds in this Indiana county were products of the Hopewell Mound Builder culture, and at the same time represent burial customs of Algonquians who had settlements nearby. The study therefore throws new light on the identity of mound-building tribes whose place in Indian racial history has been but vaguely understood.

Science News Letter, June 17, 1933

Entomology

BEEs, WASPS, ANTS AND ALLIED INSECTS OF THE BRITISH ISLES—Edward Step—*Warne*, 238 p., 111 pl., \$4.50. For the study of cosmopolitan and circum-boreal species, this account of British hymenoptera will be most useful to North American students; it can be turned to good account also where the insects, though not identical, are more or less closely allied to ours.

Science News Letter, June 17, 1933

Archaeology

DISCOVERIES IN ANATOLIA, 1930-31—Hans Henning von der Osten—*Univ. of Chicago Press*, 149 p., 134 figs., \$2. The doings of the Hittites are becoming better understood as a result of this series of expeditions to Anatolia, and particularly to the Alisar mound. It has now been determined that the "aliens," whose presence at ancient Alisar proved puzzling, were not Mesopotamian mer-

chants but the original Hittites who came to conquer Anatolia in the third millennium B.C. Besides digging into various strata of the Alisar mound, the expedition explored other ruins and made test excavations at the Hittite site of Gavur-Kalesi.

Science News Letter, June 17, 1933

Physiology-Chemistry

PHYSIOLOGICAL EFFECTS OF RADIANT ENERGY—Henry Laurens—*Chemical Catalog*, 610 p., \$6. With comprehensive and useful details the professor of physiology in the Tulane University School of Medicine has reviewed and summarized the effects of sunlight and artificial radiations upon diseases and bodily functions. Prof. Laurens considers that the real triumphs of solar and artificial radiation, prophylactic and curative, are seen in rickets and extrapulmonary tuberculosis. This is one of the American Chemical Society series of scientific and technologic monographs.

Science News Letter, June 17, 1933

Philosophy

HISTORY, PSYCHOLOGY, AND CULTURE—Alexander Goldenweiser—*Knopf*, 475 p., \$5. A collection of essays and lectures forming a massive philosophical discussion of social theory.

Science News Letter, June 17, 1933

Education-Psychology

PROBLEMS IN THE EDUCATION OF VISUALLY HANDICAPPED CHILDREN—Ralph Vickers Merry—*Harvard University Press*, 243 p., \$2.50. A practical book of guidance for those entrusted with the care of blind children or those with partial sight. Pre-school training, health problems, and personality problems are among the topics discussed.

Science News Letter, June 17, 1933

Mathematics

FIRST COURSE IN ALGEBRA—William J. Milne and Walter F. Downey—*American Book Company*, 395 p., \$1.20.

Science News Letter, June 17, 1933

Meteorology

AN ANALYSIS OF METEOROLOGY AS RELATED TO THE OPERATION OF AIRCRAFT—Harold Lewis Kirby—*Arthur H. Clark Co.*, Glendale, Cal., 134 p., \$4.

Science News Letter, June 17, 1933

Chemistry

THE DISCOVERY OF THE ELEMENTS—Mary Elvira Weeks—*Mack Printing Co.*, 363 p., \$2. With ample literature citations and illustrations, the historic stories of the discovery of the chemical elements is told in twenty-one chapters which are reprints of articles that have appeared in the *Journal of Chemical Education*. There is also a useful chronology extending from the seventeenth century to the present.

Science News Letter, June 17, 1933

General Science-Sociology

SCIENCE AND CIVILIZATION—Guy Stanton Ford—*Univ. of Minn.*, 29 p., 25c. The dean of the University of Minnesota's Graduate School argues in a Sigma Xi address for the application of science to our social structure.

Science News Letter, June 17, 1933

Psychology

INTELLIGENCE, ITS MANIFESTATIONS AND MEASUREMENT—Paul L. Boynton—*Appleton*, 466 p., \$2.50. A textbook for college students on mental differences and their measurement.

Science News Letter, June 17, 1933

Geography

GEOGRAPHIC SURVEYS—Vernor C. Finch and Robert S. Platt—*Univ. of Chicago Press*, 76 p., 10 folded maps, 50c. The three studies included in this collection of bulletins are: *Geographic Surveying*; *Montfort, a Study in Landscape Types in Southwestern Wisconsin*; and *Magdalena Atlipac, a Study in Terrene Occupancy in Mexico*.

Science News Letter, June 17, 1933

Chemistry

THE CHEMISTRY OF ORGANIC COMPOUNDS—James B. Conant—*Macmillan*, 623 p., \$4. By the president-elect of Harvard University and professor of chemistry at that great educational institution, this text is designed for a full year's course.

Science News Letter, June 17, 1933

Mathematics

MODERN HIGHER ALGEBRA—Webster Wells and Walter W. Hart—*D. C. Heath*, 410 p., \$1.56.

Science News Letter, June 17, 1933

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