

• First Glances at New Books

Additional Reviews
On Page 128

NAVAL SCIENCE

MINE AND COUNTERMINE — A. M. Low—*Sheridan House*, 224 p., illus., \$2.75. A thorough-going account of that unromantic but highly effective naval weapon, the submarine mine, by a British scientist who has specialized in mines and mining. Full historic background shares space with descriptions of modern tactics and technique.

Science News Letter, February 22, 1941

BIOCHEMISTRY

MECHANISMS OF BIOLOGICAL OXIDATIONS — David E. Green — *Cambridge (Macmillan)*, 181 p., \$2.75. A treatise in one phase of enzyme chemistry which will be welcomed by physiologists and others whose work brings them in contact with special problems of oxidation reactions in living organisms and in the more complex non-living organic materials.

Science News Letter, February 22, 1941

MEDICINE—BIOGRAPHY

HUGH YOUNG, A Surgeon's Autobiography — Hugh Young — *Harcourt, Brace*, 554 p., illus., \$5. A very entertaining book containing, among other things, Dr. Young's own explanation for the layman of urological surgery which he has done so much to develop.

Science News Letter, February 22, 1941

PRINTING—HISTORY

PRINTING IN THE FIFTEENTH CENTURY — George Parker Winship — *Univ. of Penn. Press*, 158 p., \$2. What happened in Europe when the Gutenberg invention of movable type appeared is one of the dramatic stories of industry and revolutionary change. Mr. Winship knows his subject from 40 years as custodian of notable fifteenth-century book collections.

Science News Letter, February 22, 1941

PSYCHOLOGY

HOW YOU CAN GET A BETTER JOB — Willard K. Lasher and Edward A. Richards—*American Technical Society*, 174 p., illus., \$1.50. A book of personal advice for the young fellow who wants to get ahead.

Science News Letter, February 22, 1941

ECONOMICS—GEOGRAPHY

PRINCIPLES OF ECONOMIC GEOGRAPHY — Ellsworth Huntington and others — *Wiley*, 715 p., illus., \$4. Remembered facts become useful tools and fit into pigeonholes, Prof. Huntington explains,

when the student has mastered basic principles. Hence, this text analyzes the elements of economic geography, from simple to complex, ending with a study of manufactures in present day United States.

Science News Letter, February 22, 1941

TYPOGRAPHY

THE ORIGIN OF PRINTING IN EUROPE — Pierce Butler—*Univ. of Chicago Press*, 154 p., illus., \$1.50. An historic study, emphasizing the mechanical developments of early printing, and devoting considerable space to the mysterious Gutenberg. Citing a number of medieval documents, the writer concludes that Gutenberg scarcely rates such peculiarly high honors as have been widely accorded him.

Science News Letter, February 22, 1941

GENERAL SCIENCE

EXHIBITION TECHNIQUES, A Summary of Exhibition Practice—*New York Museum of Science and Industry*, 131 p., illus., \$2. Taking the latest world's fair exhibits apart on paper, to show what makes them tick, these surveys analyze psychological factors involved in a successful exhibition. Outstanding exhibition techniques at the New York and San Francisco fairs provided the basis for these studies, which should offer many ideas to museums and exhibit planners.

Science News Letter, February 22, 1941

MEDICINE

FOUNDATIONS OF SHORT WAVE THERAPY: Physics, Technics, Indications — Wolfgang Holzer and Eugen Weissenberg; Trans. by Justina Wilson and Charles M. Dowse—*Chem. Pub. Co.*, 228 p., illus., \$5.

Science News Letter, February 22, 1941

NATURAL HISTORY

JUNGLE IN THE CLOUDS—Victor Wolfgang v. Hagen—*Duell, Sloan and Pearce*, 260 p., illus., \$3. An explorer tells of his journeyings in search of the rare and elusive quetzal bird with romantically readable text and excellent photographic illustrations.

Science News Letter, February 22, 1941

ZOOLOGY

A GENERAL ZOOLOGY OF THE INVERTEBRATES—G. S. Carter—*Macmillan*, 509 p., illus., \$5.50. A well-developed text of English authorship, in which principal emphasis is on biological rather than on taxonomic aspects.

Science News Letter, February 22, 1941

CHILD STUDY

FEEDING OUR OLD FASHIONED CHILDREN—C. Anderson Aldrich and Mary M. Aldrich—*Macmillan*, 112 p., illus., \$1.75. Babies, these authors believe, are old-fashioned enough to get hungry. And they can be depended upon to eat when they are hungry. The job of parents is to provide the right kind of food at the time the child wants it.

Science News Letter, February 22, 1941

HORTICULTURE

PLANTS AND CHEMICALS—W. E. Bott—*Pub. by author, P. O. Box 2648, Lakewood, Ohio*, 32 p., 25c. Directions for chemical experiments with plants. Particular attention is given to recent results with colchicine growth-promoting substances, and water cultures. Intended particularly for the serious hobbyist.

Science News Letter, February 22, 1941

ENGINEERING

COFFERDAMS—Lazarus White and Edmund Astley Prentis—*Columbia Univ. Press*, 273 p., illus., \$7.50. A cofferdam is "a temporary structure built to exclude earth and water from an excavation so that work may be done in the dry." In the Federal program of providing a nine-foot channel in the Mississippi River from St. Louis to St. Paul, it was necessary to build twenty-six dams with locks, each lock and dam requiring at least three large cofferdams. This is the most extensive use they have ever had, and the authors of this book were associated with that project for six years. Here they have summarized the facts that they have learned by experimentation and actual practice, and have produced a work which should be of great value to the engineering profession.

Science News Letter, February 22, 1941

ESSAYS ON THE NEW VORTEX ATOM

by Carl F. Krafft

A new geometric system of atomic structure in which the atom has a structural center, but no nucleus.

The one distinguishing characteristic of all atomic particles is their localized persistence of individuality, and this is also the distinguishing characteristic of vortex motion. The atom must therefore consist of vortex motion.

Free upon request

C. F. Krafft, 2510 Q St. N. W., Wash., D. C.

•First Glances at New Books

Additional Reviews
On Page 127

AERONAUTICS

THE MEASURE OF AMERICA'S WORLD WAR AERONAUTICAL EFFORT—Edgar S. Gorrell—*Norwich University*, 78 p., 50 c. With America's present effort to rearm, it may be particularly illuminating to find out exactly what we did in 1917-18. Many and often conflicting are the accounts of those days. Colonel Gorrell has gone to the ultimate sources, the carefully checked, official "Final Report of the Chief of the Air Service, AEF," a typewritten document in 60 volumes, the only set of which reposes in the War Department vaults out of reach of most inquirers. Though obviously condensed to the utmost, Colonel Gorrell's publication summarizes many of the most important data from that report, so it will form an authoritative fountain of authentic information.

Science News Letter, February 22, 1941

EXPLORATION

DERSU THE TRAPPER—V. K. Arseniev; Trans. by Malcolm Burr—*Dutton*, 352 p., illus., \$3. Semi-fictional account of explorations in eastern Siberia, translated from the Russian. So fascinatingly written that it is hard to put the book down; which makes it all the more a pity that the illustrations are not better.

Science News Letter, February 22, 1941

BOTANY

STUDIES OF CENTRAL AMERICAN PLANTS, II—Paul C. Standley and Julian A. Steyermark—*Field Museum of Natural History*, 71 p., 50 c.

Science News Letter, February 22, 1941

CONSERVATION

CONSERVATION OF AMERICAN RESOURCES — Charles N. Elliott — *Turner E. Smith & Co.*, 672 p., illus., \$1.80. A book written so that it can be used with good effect as a high school text, or as a foundation-book in summer camps where the nature-study program is taken really seriously. It presents conservation problems fully and clearly and gives practical ideas about what can be done toward their solution. Suggestions for study and activities form stimulating appendices for each chapter.

Science News Letter, February 22, 1941

BIOLOGY—HUMOR

NATURE SMILES IN VERSE—Bernal R. Weimer, comp.—*Pub. by comp., Bethany College, Bethany, W. Va.*, \$1.50. A little book of humorous verses about scientific

subjects, mainly biological. Many of the old fireside favorites from places like Woods Hole and Cold Spring Harbor are here, together with other poems not so widely known, including a surprising number from the pens of famous authors. This collection will find a warm welcome wherever little groups of biology students get together, after laboratory hours or on a hike, for an hour or two of not-so-serious discourse.

Science News Letter, February 22, 1941

NAVY

THE FLEET TODAY—Kendall Banning—*Funk & Wagnalls*, 346 p., illus., \$2.50. A full and highly informative account of life in the U. S. Navy as it is lived by the enlisted man. The style is light and discursive, with a liberal salting of sea humor; nevertheless, the book is packed with facts. Everything that anyone would want to know seems to be covered, from ratings, pay and rations to types of training afforded and types of ships on which Uncle Sam's sailors serve.

Science News Letter, February 22, 1941

ZOOLOGY—BOTANY

PAPERS FROM TORTUGAS LABORATORY, Vol. XXXII—*Carnegie Institution of Washington*, 412 p., 12 pl., illus., paper, \$4; cloth, \$4.50. A group of research papers, ranging in subject from fish, invertebrates and algae in the water to the ecology of mangroves that line the shores.

Science News Letter, February 22, 1941

BIOLOGY

THE EMBRYOLOGY OF THE ECHIUROID WORM URECHIS CAUPO—William Wallace Newby — *American Philosophical Society*, 219 p., illus., \$2. This monograph constitutes what is probably the most detailed study ever made of the development of an invertebrate. It will for this reason have special interest for research students in biology.

Science News Letter, February 22, 1941

METEOROLOGY—AERONAUTICS

METEOROLOGY FOR AVIATORS—R. C. Sutcliffe—*Chemical Pub. Co.*, 317 p., illus., \$4. A highly practical text and reference work, of English origin, which should be useful in these days of intensive training for large numbers of new men for the air service. The range of subjects covered is very wide, and mathematical approaches are kept down to a minimum.

Science News Letter, February 22, 1941

MEDICINE

PLAGUE ON US—Geddes Smith—*Commonwealth Fund*, 365 p., illus., \$3. The story of man's fight against epidemic diseases, from plague to influenza, is here told so entertainingly that the book absorbs the interest even of one who has read the story many times before. Besides its readability, the book has the advantage of giving the latest scientific knowledge and theories. It has been chosen as the outstanding scientific book for February by the Scientific Book Club.

Science News Letter, February 22, 1941

SOCIOLOGY

NEW HAVEN NEGROES, A Social History — Robert Austin Warner — *Yale Univ. Press*, 309 p., \$3.50. The interesting style of this document will appeal to those who are not social scientists but who have concern for their fellow men. The author says, in conclusion: "One may dare believe that the rising social consciousness of the world today promises eventually to bring to Negroes, when the formative forces finally come to fruition, a new and more genuine Jubilee."

Science News Letter, February 22, 1941

ETHNOLOGY

THE HUPA WHITE DEERSKIN DANCE—Walter R. Goldschmidt and Harold E. Driver—*Univ. of Calif. Press*, 34 p., illus., 50c.

Science News Letter, February 22, 1941

ANTHROPOLOGY

PIONEERS IN AMERICAN ANTHROPOLOGY, The Bandelier-Morgan Letters, 1873-1883 (2 vols.)—Leslie A. White—*Univ. of New Mexico Press*, Vol. I, 272 p.; Vol. II, 266 p., illus., \$10 per set. These letters, says the editor's introduction, written between 1873 and 1883 "provide a fascinating study in the history of American anthropology for that period, as well as a study of a segment of the lives of that science's most brilliant and stalwart exponents." The letters are full of early discoveries and discussions on Southwest and Mexican Indian culture. An index is helpfully included, for reference use.

Science News Letter, February 22, 1941

ART—LITERATURE

JAPAN TALKS—Amar Lahiri—*Hokuseido Press, Kanda, Tokyo, Japan*, 227 p., illus. \$2. An interesting account of the art and literature of modern Japan.

Science News Letter, February 22, 1941