

# • First Glances at New Books

## Physics

**THE WORLD OF ATOMS** (2d. ed.)—Arthur Haas; Translated by George B. Welch and Horace S. Uhler—*Van Nostrand*, 183 p., \$3. "There is in the process of development a new science of atomic nuclei which perhaps conceals within itself unsuspected possibilities of future industrial exploitation." Including the revolutionary discoveries in atomic physics, this is a brief and satisfactory semi-technical account which will be welcomed by those who have difficulty in keeping up with modern physics.

*Science News Letter, July 10, 1937*

## Chemistry

**INTRODUCTION TO QUALITATIVE ANALYSIS**—James H. Walton and C. H. Sorum—*George Banta Pub. Co.*, 160 p., \$1.50. A manual for an elementary college course by members of the University of Wisconsin faculty.

*Science News Letter, July 10, 1937*

## Engineering

**HIGHWAY RESEARCH BOARD: PROCEEDINGS OF THE SIXTEENTH ANNUAL MEETING**—edited by Roy W. Crum—*National Research Council*, 390 p., illus., \$2.25. An annual volume replete with fundamental data that will help engineers to build better and cheaper roads.

*Science News Letter, July 10, 1937*

## Radio

**ON THE AIR: THE STORY OF RADIO**—John J. Floherty—*Doubleday, Doran*, 99 p., illus., \$2. Popular and pictorial, the past and present of various phases of radio are presented.

*Science News Letter, July 10, 1937*

## Physics

**ATOMIC SPECTRA AND THE VECTOR MODEL: VOL I; SERIES SPECTRA**, 237 p., illus., VOL. II; **COMPLEX SPECTRA**, 279 p., illus.—A. C. Candler—*Cambridge (Macmillan)*, \$8.50 set. For technical workers in the field, these volumes present in modern notation the work done by Fowler and Hund and lead to the boundaries on which research is now concentrated.

*Science News Letter, July 10, 1937*

## Philosophy

**EVERY MAN A MILLIONAIRE**—David Dunham—*Scripta Mathematica*, 95 p., \$1. Among the amazing schemes of David Dunham is the invention of a weather control method. A thousand biplanes are equipped in the upper wings with refrigerating plants and the lower ones with coils for superheated steam.

During a dry spell the airplanes fly in close formation with refrigerators working, thus cooling the air and causing precipitation. When sunshine is desired the steam is used to heat the atmosphere. You may find amusement in this satirical treatise on modern finance.

*Science News Letter, July 10, 1937*

## Psychiatry

**THE MENTALLY ILL IN AMERICA: A HISTORY OF THEIR CARE AND TREATMENT FROM COLONIAL TIMES**—Albert Deutsch—*Doubleday, Doran*, 530 p., illus., \$3. This history of the treatment of mentally ill persons in America is neither written by a physician nor intended principally for a medical audience. An introduction by the late Dr. William A. White, of St. Elizabeths Hospital, however, serves as a guarantee of its soundness from the viewpoint of the psychiatrist.

*Science News Letter, July 10, 1937*

## Ornithology

**CHECK-LIST OF BIRDS OF THE WORLD, VOL. III**—James Lee Peters—*Harvard*, 311 p., \$3.50. This new volume in what promises to be a monumental series treats of the pigeons and the parrots.

*Science News Letter, July 10, 1937*

## Orthopedics

**TECHNIQUE OF UNDERWATER GYMNASTICS: A STUDY IN PRACTICAL APPLICATION**—Charles Leroy Lowman, Susan G. Roen, Ruth Aust and Helen G. Paul—*Amer. Publications*, 276 p., illus., \$5. A technical book for doctors, nurses and physiotherapists.

*Science News Letter, July 10, 1937*

## Hygiene

**WOMAN'S PRIME (CHANGE) OF LIFE: MAKING THE MOST OF MATURITY**—Isabel Emslie Hutton—*Emerson*, 150 p., \$2. This small book contains much sound advice and information which cannot fail to help the reader.

*Science News Letter, July 10, 1937*

## Zoology

**WILDERNESS WANDERERS: ADVENTURES AMONG WILD ANIMALS IN ROCKY MOUNTAIN SOLITUDES**—Wendell and Lucie Chapman—*Scribner's*, 318 p., illus., \$3.75. A pair of wanderers setting out to realize the dream of all of us, to do exactly what they pleased and no more of that than they pleased, here tell of their adventures with the winged and four-footed folk in our western highlands, and how "what they pleased" after all turned into another obligation—to the wildlife of North America.

*Science News Letter, July 10, 1937*

## Life Saving

**LIFE SAVING AND WATER SAFETY**—American Red Cross—*Blakiston*, 267 p., illus., 60c. Just in time for the swimming and water sports season comes this valuable handbook which tells how to take care of yourself in and on the water. Selection of a suitable bathing place, self rescue, rescue of others, resuscitation, and rescue of victims of ice accidents are among the topics covered. The illustrations help to demonstrate the approved methods.

*Science News Letter, July 10, 1937*

## Psychology

**EDUCATIONAL PSYCHOLOGY**—Thomas R. Garth—*Prentice-Hall*, 319 p., \$2.50. A textbook by the professor of experimental psychology at the University of Denver.

*Science News Letter, July 10, 1937*

## Anthropology

**THE AMERINDIANS: FROM ACUERA TO SITTING BULL, FROM DONNACONA TO BIG BEAR**—Donald McNicol—*Stokes*, 341 p., \$2.50. This is the story of the experiences of the American Indians from the time of the arrival of the first Europeans until the descendants of the original population took up their present location upon reservations. It thus supplements the story of the Indian which is known from archaeological investigations.

*Science News Letter, July 10, 1937*

## Electrical Engineering

**MERCURY ARCS**—F. J. Teago and J. F. Gill—*Methuen & Co., London (Chemical Pub. Co. of N. Y.)*, 104 p., \$1.25. A text based on a course of lectures at the University of Liverpool.

*Science News Letter, July 10, 1937*

## Mathematics

**GENERAL MATHEMATICS: A ONE YEAR COURSE**—Harris Crandall and F. Eugene Seymour—*Heath*, 389 p., \$1.28. For high school use.

*Science News Letter, July 10, 1937*

## Chemistry

**OUT OF THE TEST TUBE** (new ed. rev. and expanded)—Harry N. Holmes—*Emerson*, 301 p., illus., \$3. A popular presentation of chemistry which should be read by anyone who has to do with industrial or public affairs.

*Science News Letter, July 10, 1937*

## Mathematics

**DYNAMICS, PART II**—A. S. Ramsey—*Cambridge (Macmillan)*, 344 p., \$4.50. An advanced text for college use, extending the subject in three dimensions.

*Science News Letter, July 10, 1937*