

# • First Glances at New Books

## GENERAL SCIENCE

THE DEVELOPMENT OF THE SCIENCES, 2d series—L. L. Woodruff, ed.—*Yale Univ. Press*, 336 p., \$3. The basic sciences from beginnings to more recent times are traced in lectures by eight Yale scientists: Oystein Ore, Frank Schlesinger, Henry Margenau, John Arrend Timm, Chester Ray Longwell, Lorande Loss Woodruff, Walter Richard Miles, and John Farquhar Fulton. These reviews of mathematics, astronomy, chemistry, physics, geology, biology, psychology and medicine are accented upon the historical side without major reference to developments of recent years.

*Science News Letter, May 10, 1941*

## PHYSIOLOGY

ENDOCRINOLOGY, The Glands and Their Functions—R. G. Hoskins—*Norton*, 388 p., \$4. See page 297.

*Science News Letter, May 10, 1941*

## ECONOMICS—AGRICULTURE

AMERICAN FARMERS IN THE WORLD CRISIS—Carl T. Schmidt—*Oxford Univ. Press*, 345 p., \$3. A careful examination of the American agricultural problem as a part of the great world problem. Most attention is given, of course, to various phases of government aid to agriculture during the past several years.

*Science News Letter, May 10, 1941*

## BIOGRAPHY—HISTORY

LIBERATORS AND HEROES OF SOUTH AMERICA—Marion Lansing—*Page*, 320 p., illus., \$2.75. Biographies of 16 men who played leading roles in Western Hemisphere independence, or who stood out so strongly for education and progress in their countries that they are historic figures now. Their careers offer a way of getting better acquainted with neighbors to the South.

*Science News Letter, May 10, 1941*

## MEDICINE

PROBLEMS AND TRENDS IN VIRUS RESEARCH—Thomas M. Rivers and others—75 p., 75c; MEDICAL PROBLEMS OF OLD AGE—Louis I. Dublin and others—46 p., 50c; NUTRITION—Conrad A. Elvehjem, Cyril N. H. Long and Elmer V. McCollum—46 p., 50c; FEMALE SEX HORMONES — Edward A. Doisy and others — 58 p., 50c; HYPERTENSION — Harry Goldblatt and others — 46 p., 50c; CAUSE AND GROWTH OF CANCER—Louis F. Fieser and others—64 p., 75c; DENTAL CARIES—Henry Klein and others—53 p., 50c; PROBLEMS OF INTESTINAL OBSTRUCTION—John P. Peters and others—56 p.,

50c; THE RELATION OF DISEASES IN LOWER ANIMALS TO HUMAN WELFARE—John R. Mohler and others—39 p., 50c; MODERN ASPECTS OF THE ANTITUBERCULOSIS PROGRAM—J. Burns Amberson and others—38 p., 50c; CHEMOTHERAPY—E. K. Marshall, Jr. and others—42 p., 50c; THERAPEUTIC ADVANCES IN PSYCHIATRY—Edward A. Strecker and others—35 p., 50c., *Univ. of Penn. Press*.

*Science News Letter, May 10, 1941*

## MATHEMATICS—ENGINEERING

MECHANISM — Stanton E. Winston — *Amer. Tech. Soc.*, 372 p., illus., \$3.50. Gears, levers, cams, and other basic mechanisms are fully treated in this book, written in the practical "how to do it" tradition. After new principles are explained, illustrative examples are presented and solved.

*Science News Letter, May 10, 1941*

## CHEMISTRY

A PRACTICAL SURVEY OF CHEMISTRY—Walter S. Dyer—*Holt*, 480 p., illus., \$2.80. Intended as a text-book for the student who is not to become a chemist, this excellent work should give him a real background with which he can appreciate the increasingly important work that chemistry is doing. By the same token, it will be of value to anyone who wishes to understand these things.

*Science News Letter, May 10, 1941*

## GEOGRAPHY

UTAH, A Guide to the State—Writers' Program, Utah W.P.A.—*Hastings House*, 595 p., illus., \$2.50. Describes scenic marvels, dramatic history, recreation facilities and other features of a state that has vivid personality. Photographs, as in other volumes of this series, are excellent. For the roving motorist, a number of tours are outlined and mapped, with sight-seeing notes and comments for the back-seat driver to enjoy.

*Science News Letter, May 10, 1941*

## HISTORY

THE PLAINS INDIANS AND NEW MEXICO, 1751-1778, A Collection of Documents Illustrative of the History of the Eastern Frontier of New Mexico—Alfred Barnaby Thomas—*Univ. of New Mexico Press*, 232 p., \$3.50 (Coronado Cuarto Centennial Publications, 1540-1940, Vol. XI). The worries which beset early settlers and explorers in New Mexico, when Plains tribes harried the area, and horses brought "a disturbing element—mobility" into Plains culture, are described in the introductory essay. The numerous eigh-

teenth century documents which follow have been gathered, many from Spain, some from Mexico, and others from institutions in the United States.

*Science News Letter, May 10, 1941*

## ASTRONOMY

NEW HANDBOOK OF THE HEAVENS—Hubert J. Bernhard, Dorothy A. Bennett and Hugh S. Rice—*Whittlesey House*, 299 p., illus., \$2.50. Most elementary books on astronomy are designed to interest the reader in the heavens, but what should he do then? This is the answer. If he has a small telescope, it tells him what to look at, and the significance of what he sees. Perhaps he wants to observe meteors—all right, here are the directions. Double stars, asteroids, astronomical photographs, these are a few of the other topics that the three authors have covered. The book is, by the way, quite different from the original Handbook of the Heavens, which they edited for the Junior Astronomy Club. This is completely rewritten, this time by the members of the trio themselves, and has been greatly enlarged.

*Science News Letter, May 10, 1941*

## SOCIOLOGY

GROWING UP IN THE BLACK BELT; Negro Youth in the Rural South — Charles S. Johnson — *Amer. Coun. on Education*, 360 p., \$2.25. A thought-provoking study of serious sociological problems that exist among Negroes in the Southern countryside, prepared for the American Youth Commission. Prof. Johnson describes almost unbelievable poverty, lack of educational opportunity, hopelessness of advancing in vocational fields. How Negro youth reacts to its troubles in life is the question which this research volume endeavors to answer.

*Science News Letter, May 10, 1941*

## CHEMISTRY

CHEMICAL WARFARE—Curt Wachtel—*Chemical Pub. Co.*, 312 p., \$4. Dr. Wachtel was in charge of important research work on the use of gas, in Germany during the first World War, and was closely associated with Fritz Haber. In this interesting book he tells of experiences at that time, and also of the results of later studies. It covers such points as Psychological, Social and Economic Aspects; How to Develop a New Gas; Toxicity Figures and Standards; Treatment and Protection; etc.

*Science News Letter, May 10, 1941*