

# • First Glances at New Books

## HORTICULTURE

**GROWING PLANTS IN NUTRIENT SOLUTIONS**—Wayne I. Turner and Victor M. Henry—*Wiley*, 154 p., \$3. Most books on this subject now in print are intended primarily for the amateur who undertakes soilless culture primarily as a hobby. The present work, however, is intended for the commercial greenhouse-man who has to make it pay. The entire approach therefore is different: full-scale operation methods are described, advantages and drawbacks are discussed on a practical profit-and-loss basis, and testing techniques are given for several of the more important nutrient elements as well as for pH, and also for symptoms of diseases and deficiencies in the plants themselves.

*Science News Letter, March 9, 1940*

## DENDROLOGY

**BOOK OF BROADLEAF TREES**—Frank H. Lamb—*Norton*, 367 p., \$3.75. A discursive but highly informative (and well illustrated) book by one who loves trees and appreciates the many excellent things, especially fine furniture, that are made from wood. He carries us all over the world, to look, listen and admire with him.

*Science News Letter, March 9, 1940*

## PHYSICS

**GENERAL PHYSICS FOR STUDENTS OF SCIENCE**—Robert Bruce Lindsay—*Wiley*, 534 p., \$3.75. A new textbook which uses mathematical methods to provide a serious, rigorous approach intended for science students.

*Science News Letter, March 9, 1940*

## ZOOLOGY

**A BRIEF ANATOMY OF THE TURTLE**—Glenn A. Noble and Elmer R. Noble—*Stanford Univ. Press*, 46 p., 21 pl., \$1. Dominated as it is by the carapace, chelonian anatomy is very difficult for even fairly well advanced students of comparative anatomy. This compact, fully illustrated manual will help considerably.

*Science News Letter, March 9, 1940*

## AERONAUTICS

**AHRIMAN: A STUDY IN AIR BOMBARDMENT**—Oliver Lyman Spaulding—*World Peace Foundation*, 143 p., \$1, cloth; 50c, paper. A retired brigadier general of the U. S. Army takes the Douhet theory of total aerial bombing apart to see what makes it tick. Citing arguments for and against it drawn from past wars,

Gen. Spaulding ends with the conclusion that the waste of this military weapon is terrific and that it has not, in the main, achieved the Douhet objective of destroying civilian morale in a nation. Unfortunately the book was apparently written before the German conquest of Poland by mighty use of air forces.

*Science News Letter, March 9, 1940*

## ASTRONOMY

**THE OBSERVER'S STAR ATLAS**—Harold B. Webb—*Author*, 9251 173rd St., Jamaica, N. Y., 33 p., \$1. A new aid for the astronomer and amateur astronomer in finding and identifying stars in the sky.

*Science News Letter, March 9, 1940*

## MINERALOGY

**AN OUTLINE OF MINERALOGY**—Louis F. Leonard—*Edwards*, 88 p., \$2.50. An aid to the student of mineralogy, to be used together with a regular textbook. Properties and general description of minerals are given under the name of each mineral; supplementary tables of hardness, color, etc., aid in the identification of specimens.

*Science News Letter, March 9, 1940*

## GENERAL SCIENCE—EDUCATION

**MODERN METHODS AND MATERIALS FOR TEACHING SCIENCE**—Elwood D. Heiss, Ellsworth S. Obourn and C. Wesley Hoffman—*Macmillan*, 351 p., \$2.50. Both as a source book of information for those teaching science and as a textbook in courses on the methods of teaching science, this book will be useful. Principles are covered in one section while materials and devices for teaching science, such as pictures, photography, specimens, microscopes, telescopes, motion pictures, etc., are covered in two sections.

*Science News Letter, March 9, 1940*

## NUTRITION

**ACCEPTED FOODS AND THEIR NUTRITIONAL SIGNIFICANCE**—*American Medical Assoc.*, 492 p., \$2. Physicians and others who want to know the exact significance of the seal of acceptance of the American Medical Association on a food product will find the answer in the pages of this book, which give both the method of awarding the seal and information about products which have been accepted. Although somewhat technical, much of the book can be understood by the layman who might find it interesting and profitable for studious reading.

*Science News Letter, March 9, 1940*

## AGRICULTURE—GEOGRAPHY

**SOIL CONSERVATION**—Hugh Hammond Bennett—*McGraw-Hill*, 993 p., \$6. The definitive and authoritative book on soil conservation by the chief of the U. S. Soil Conservation Service of the U. S. Department of Agriculture. Starting in 1903 his defense of America's soil, Dr. Bennett is now the acknowledged leader in the beneficent revolution that must surely bring salvation to American agriculture, forestry and range management. The waste of fertile earth under rain and wind is an urgent national problem; how erosion can be stopped and soil conserved is told in outlining the national program that treats each field, pasture and woodlot according to its requirements and adaptability.

*Science News Letter, March 9, 1940*

## PHYSICS

**FUNDAMENTALS OF PHYSICAL CHEMISTRY** (2d. ed.)—Earl C. H. Davies—*Blakiston*, 447 p., \$3.50. Physical chemistry as taught at West Virginia University. New problems in the earlier chapters and new material provide added improvements.

*Science News Letter, March 9, 1940*

## GEOLOGY—ARCHAEOLOGY

**GEOLOGIC ANTIQUITY OF THE LINDENMEIER SITE IN COLORADO**—Kirk Bryan and Louis L. Ray—*Smithsonian Inst.*, 76 p., illus., 35c. The verdict of two geologists on the era of Folsom Man in America is that it must have been close to 25,000 years ago.

*Science News Letter, March 9, 1940*

## GEOGRAPHY

**FRANCES TOOR'S GUIDE TO MEXICO** (Rev. ed.)—*McBride*, 356 p., \$2.25. Information of the type tourists are perpetually seeking: location of sights, bus fares, itineraries for motoring, catching boats, tips, restaurants, guides, shopping suggestions, and, of course, what to see wherever you go.

*Science News Letter, March 9, 1940*

## ZOOLOGY

**ANIMAL SEX CONTROL, A Practical Guide for Breeders**—Carl Warren; edited by Thomas Durfee—*Orange Judd*, 174 p., \$1.75. The author claims to be able to produce males or females at will, by prenatal treatment of the mother with alkaline or acid solutions. Largest numbers of experiments have been performed on rats, but the method is declared applicable to all mammals.

*Science News Letter, March 9, 1940*