

present-day knowledge of plants does not mean that physiological, cytological, genetic, and taxonomic viewpoints are not well presented. In fact, a fair knowledge of biochemistry is needed to get the full import of some paragraphs—and especially the chapter on “Plant Products and their Utilization by Man.” The first chapter, “The Content of Botany,” lays out the whole field of plant science, but a beginning student may well not have enough understanding of the way scientific knowledge has to be organized to get much out of this in the first reading assignment. Much of its content might better be developed at the end of the book, although, of course, some introductory clue as to what botany is all about should be given.

The illustrations used are excellent and well selected;

most of them are original. The photographs are good and show what they purport to. The diagrams display evidence of having been designed by a teacher who knows what students need to be shown. The format of the whole book is pleasing, and the typography is most satisfactory. Why the text figures and the plates are not numbered in one series so that they can be found more easily needs explanation. A spot check of the index indicates that it is adequate, although it would have been helpful to have the pages where illustrations are found designated. The idea of having questions for further thought and study and a list of good reference books is commendable.

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Scientific Book Register

- Maize in the Great Herbals.** John J. Finan. Waltham, Mass.: Chronica Botanica; New York: Stechert-Hafner, 1950. 191 pp. \$3.00.
- Industrial and Safety Problems of Nuclear Technology.** Morris H. Shamos and Sidney G. Roth, Eds. New York: Harper, 1950. 368 pp. \$4.00.
- The Mammals of Victoria and the Dental Characteristics of Monotremes and Australian Marsupials.** National Museum of Victoria, Handbook No. 1. C. W. Brazenor. Melbourne, Australia: Brown, Prior, Anderson Pty., 1950. 125 pp. 7s. 6d., Australian.
- Sir Thomas Browne: A Doctor's Life of Science & Faith.** Jeremiah S. Finch. New York: Schuman, 1950. 319 pp. \$3.50.
- The "Why" of Man's Experience.** Hadley Cantril. New York: Macmillan, 1950. 198 pp. \$2.75.
- Antipyrine: A Critical Bibliographic Review.** Leon A. Greenberg. New Haven, Conn.: Hillhouse Press, 1950. 135 pp. \$4.00.
- Personality and Psychotherapy: An Analysis in Terms of Learning, Thinking, and Culture.** John Dollard and Neal E. Miller. New York-London: McGraw-Hill, 1950. 488 pp. \$5.00.
- Microbiology: With Applications to Nursing.** Catherine Jones Witton. New York: McGraw-Hill, 1950. 692 pp. \$4.50.
- Feelings and Emotions.** The Mooseheart Symposium in cooperation with The University of Chicago. Martin L. Reymert, Ed. New York: McGraw-Hill, 1950. 603 pp. \$6.50.
- Structural Carbohydrate Chemistry.** E. G. V. Percival. New York: Prentice-Hall, 1950. 246 pp. \$5.50.
- Adventure into the Unknown: The First Fifty Years of the General Electric Research Laboratory.** Laurence A. Hawkins. New York: Morrow, 1950. 150 pp. \$3.50.
- An Autobiography.** Sir Arthur Keith. New York: Philosophical Library, 1950. 721 pp. \$4.75.
- The Microtometist's Vade-Mecum: A Handbook of the Methods of Animal and Plant Microscopic Technique.** 11th ed. J. Brontë Gatenby and H. W. Beams, Eds. Philadelphia: Blakiston; London: J. & A. Churchill, 1950. 753 pp. \$8.50.
- Chemistry: Visualized and Applied.** Armand Joseph Courchaine; M. Cordelia Cowan, Ed. New York: Putnam, 1950. 687 pp. \$5.50.
- Chymia: Annual Studies in the History of Chemistry,** Vol. 3. Henry M. Leicester, Ed. Philadelphia: Univ. Pennsylvania Press, 1950. 250 pp. \$4.50.
- Medical Entomology.** 4th ed. of "Medical and Veterinary Entomology." William B. Herms. New York: Macmillan, 1950. 643 pp. \$9.00.
- Electrical Engineers' Handbook: Electric Communication and Electronics.** 4th ed. Harold Pender and Knox McIlwain, Eds. New York: Wiley, 1950. 23 sections. \$8.50.
- Water, Land, and People.** Bernard Frank and Anthony Netboy. New York: Knopf, 1950. 331 pp. \$4.00.
- Principles of Nuclear Chemistry.** Russell R. Williams. New York: Van Nostrand, 1950. 307 pp. \$3.75.
- Applied Mycology and Bacteriology.** 3rd ed. L. D. Galloway. London, Eng.: Leonard Hill, 1950. 184 pp. 12 s.
- Fundamentals of Optics.** 2nd ed. Francis A. Jenkins and Harvey E. White. New York: McGraw-Hill, 1950. 647 pp. \$7.00.
- Negative Ions.** 2nd ed. H. S. W. Massey. New York: Cambridge Univ. Press, 1950. 136 pp. \$2.50.
- Introductory Nuclear Physics.** David Halliday. New York: Wiley; London: Chapman & Hall, 1950. 558 pp. \$6.50.
- Current Trends in the Relation of Psychology to Medicine.** Wayne Dennis et al. Pittsburgh, Pa.: Univ. Pittsburgh Press, 1950. 189 pp. \$3.75.
- The Sea and Its Mysteries.** American edition. John S. Colman. New York: Norton, 1950. 261 pp. \$3.75.