

the inclusion of the most recent material in the field. Many of the papers quoted were still in press at the time the book appeared. This inclusion of recent developments that have not yet been widely confirmed, however, has the disadvantage that some of the statements are apt to be superseded in a short time. This appears already to hold for the statement that sex-linked genes are unknown in rats and mice (p. 97), possibly also for the finding of aneuploidy in somatic cells of man (p. 110).

The heaviest stress of the book is on physiological genetics. This does not mean that the number of chapters dealing with this subject has been increased above that found in other textbooks. It means rather that a physiological point of view prevails throughout the book, and physiological material is found scattered in many chapters. The gene-enzyme theory, for example, is stated in the introductory chapter and is used in the chapters on Mendelian segregation to explain the phenomena of dominance and factor inter-

action. The *Drosophila v⁺*-substance appears first in the chapter on sex linkage; self-sterility is discussed in the chapter on "Inbreeding and Selection."

The wealth of material included in the book and the emphasis on physiology have led to the result that relatively little space is devoted to purely formal genetics. Since this field occupies much time in most introductory courses in genetics it appears somewhat doubtful whether the book will gain wide acceptance in the teaching of elementary genetics. It should, however, prove very useful in stimulating superior and advanced students to occupy themselves more deeply with the study of genetics and its fascinating progress in recent years. Even the professional geneticist will read it with pleasure and profit, since he will find clearly presented much material outside his own field of specialization.

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Scientific Book Register

- The Psychoanalytic Study of the Child*, Vol. VII. Ruth S. Eissler *et al.*, Eds. New York: International Univ. Press, 1952. 448 pp. \$7.50.
- Die Entwicklung des Braunen Grasfrosches Rana Fusca Roesel. Dargestellt in der Art der Normentafeln zur Entwicklungsgeschichte der Wirbeltiere.* Fr. Kopsch. Stuttgart: Georg Thieme, 1952. 70 pp. and plates. DM 48.
- Manual of Photogrammetry*. 2nd ed. Box 286, Benjamin Franklin Sta., Washington 4, D. C.: American Society of Photogrammetry, 1952. 876 pp. \$12.50.
- Introduction to Theoretical Physics*. 3rd ed. Leigh Page. New York-London: Van Nostrand, 1952. 701 pp. Illus. \$8.50.
- Physics for Science and Engineering Students*. W. H. Furry, E. M. Purcell, and J. C. Street. New York-Toronto: Blakiston, 1952. 694 pp. Illus.
- The World of Eli Whitney*. Jeannette Mirsky and Allan Nevins. New York: Macmillan, 1952. 346 pp. Illus. \$5.75.
- Essentials of Microwaves*. Robert B. Muchmore. New York: Wiley; London: Chapman & Hall, 1952. 236 pp. Illus. \$4.50.
- The Mechanisms of Disease*. A study of the autonomic nervous system, the endocrine system and the electrolytes in their relationship to clinical medicine. Joseph Stambul. New York: Froben Press, 1952. 746 pp. \$15.00.
- Mathematics at the Fireside: Some Fundamentals Presented to Children*. G. L. S. Shackle. New York: Cambridge Univ. Press, 1952. 156 pp. \$3.25.
- Biological Chemistry: An Introduction to Biochemistry*. Alexander Gero. New York-Toronto: Blakiston, 1952. 340 pp. Illus.
- Die Krankhafte Blutdrucksteigerung*. L. Hantschmann. Stuttgart: Georg Thieme, 1952. 228 pp. Illus. DM 36.
- An Essay on Method*. C. Hillis Kaiser. New Brunswick, N. J.: Rutgers Univ. Press, 1952. 163 pp. \$3.25.
- Personality in the Making: The Fact-Finding Report of the Midcentury White House Conference on Children and Youth*. Helen Leland Witmer and Ruth Kotinsky, Eds. New York: Harper, 1952. 454 pp. \$4.50.
- Industrial High Vacuum*. J. R. Davy. New York-London: Pitman, 1951. 243 pp. \$5.50.
- Rheumatic Fever*. A symposium held at the University of Minnesota on November 29, 30, and December 1, 1951, under the sponsorship of the Minnesota Heart Association. Lewis Thomas, Ed. Minneapolis: Univ. Minnesota Press; London: Geoffrey Cumberlege, Oxford Univ. Press, 1952. 349 pp. Illus. \$10.00.
- A Physiological Approach to the Lower Animals*. J. A. Ramsay. New York: Cambridge Univ. Press, 1952. 148 pp. Illus. \$2.75.
- Diffusion in Solids, Liquids, Gases*. W. Jost; Eric Hutchinson, Ed. New York: Academic Press, 1952. 558 pp. \$12.00.
- Morphogenesis in Plants*. Methuen's Monographs on Biological Subjects. C. W. Wardlaw. London: Methuen; New York: Wiley, 1952. 176 pp. Illus. \$2.25.
- Quantitative Analysis*. William Marshall MacNevin and Thomas Richard Sweet. New York: Harper, 1952. 247 pp. Illus. \$3.75.
- Ink and Paper in the Printing Process*. Andries Voet. New York-London: Interscience, 1952. 213 pp. Illus. \$5.90.
- An Introduction to the Chemistry of the Hydrides*. Dallas T. Hurd. New York: Wiley; London: Chapman & Hall, 1952. 231 pp. Illus. \$5.50.
- Geography of Living Things*. M. S. Anderson. New York: Philosophical Library, 1952. 202 pp. Illus. \$2.75.
- Quantitative Analysis: Elementary Principles and Practice*. Harvey Diehl and G. Frederick Smith. New York: Wiley; London: Chapman & Hall, 1952. 539 pp. Illus. \$5.00.
- Elementary Analysis*. Kenneth O. May. New York: Wiley; London: Chapman & Hall, 1952. 635 pp. \$5.00.