

the author named after his maternal grandfather, Henry Steven Hartmann, is the narrator.

The book is divided into three parts: Uncharted Territory; The Second Battle Against Pain; and Moments of Destiny. This is a most exciting history of the development of a number of surgical and anesthesiological accomplishments, including neurophysiology and surgery; thyroid, gall-bladder and hernia management; local and spinal anesthesia; thoracic surgery in connection with altered pulmonary physiology during the open chest; and corneal transplantation. Many world-shaking events in the medical field are vividly described in conversations with various workers involved with these discoveries and developments. Among the noted physicians in the discussions, and whose photographs are shown, are: Doctors Will and Charles Mayo, Ferdinand Sauerbruch, Johannes von Mikulicz, Ludolph Brauer, Eduard Zirm, Vladimir Petrovich Filatov, John B. Murphy, Theodor Kocher, Sir James Paget, William Stewart Halsted, Sigmund Freud and Sir Morell Mackenzie. Although the setting for the story is mainly in Germany, considerable space is given to New York, Chicago and Baltimore.

Developments in the United States are apparently less familiar to the author, who locates one city in the wrong state, and omits certain specific accomplishments that are well known in this country. Nevertheless this book will have wide appeal to both physicians and the laity. It will be a useful reference book for medical students, both graduate and undergraduate. It is an enlightening presentation for anyone interested in the background of present-day techniques and therapeutic measures.

The paper, printing, binding and illustrations are all very good. The last 33 pages of the book are devoted to an excellent bibliography, and an adequate index.

HUBERTA M. LIVINGSTONE, M.D.

**Clark's Applied Pharmacology.** Ninth Edition. BY ANDREW WILSON, M.D., PH.D., F.R.F.P.S., Professor of Pharmacology and General Therapeutics, University of Liverpool, AND H. O. SCHILD, M.D., PH.D., D.Sc.,

Reader in Pharmacology in the University of London at University College, London. Cloth. \$10.00. Pp. 750, with 165 illustrations. Little, Brown & Co., 34 Beacon St., Boston 6, 1959.

This is a student textbook of pharmacology. It is aimed at bridging the gap between this subject as a science and the art of therapeutics. In these fields of increasing complexity the authors have well accomplished their aims. The basic actions of drug groups are presented in rather dogmatic fashion without indicating divergent viewpoints or controversial aspects. This is in line with the method of Professor Clark in the first edition in 1923.

A general discussion of the principles of drug action and their administration leads on to specific consideration of the action of drugs on the various body systems and organs. In addition to revision of most of the chapters, new ones on the pharmacology of tuberculosis and psychopharmacology have been added.

There is not entire logic or consistency in certain aspects. For instance, in Chapter 8 on "Pharmacology of the Central Nervous System I, Anaesthetics," in the discussion of chloroform (p. 203) it is stated that "chloroform is more powerful than any other volatile anesthetic . . . hence the apparatus required is of the simplest description." In discussion of the very next agent halothane (Fluothane) p. 205, the authors state "This is a potent inhalation anesthetic . . . because of its high potency its administration requires special apparatus to control the concentration of the vapour."

The format of the book is excellent. The illustrations, of which 65 are new, are very contributory. All-in-all, the volume is comparable to the more elementary medical textbooks by American authors.

O. SIDNEY ORTH, M.D.

**Textbook of Toxicology.** BY KENNETH P. DuBOIS, M.Sc., Ph.D., Professor of Pharmacology and Director of U. S. Air Force Radiation Laboratory, The University of Chicago, and E. M. K. Geiling, Ph.D., M.D. Frank P. Hixon Distinguished Service Professor Emeritus of Pharmacology, The University of Chicago. Cloth. \$6.50. Pp.