

researches of Schmiedeberg and his pupils. Professor Bunge presents the subject in the form of a series of lectures and has succeeded in making what is generally considered a difficult subject to understand, intensely interesting reading. The chemistry of metabolism, both normal and diseased, is discussed in the light of the most recent advances and views on the subject. Among these researches we might especially mention the synthesis of hippuric acid in the kidney, by Bunge and Schmiedeberg; the formation of urea by Schroder; the origin of uric acid, by Minkowski and Naunyn; pancreatic diabetes, by Minkowski, as well as researches into the chemistry of nucleins, mucins, etc. Descriptions of analytical methods have been for the most part omitted, but references to the original articles, containing them are given in foot notes. The work is eminently scientific and of great practical value. The reader cannot help but think that the author is a chemist and philosopher as well as a physiologist.

Essentials of Histology. (Saunders' Question Compends.) By LOUIS LERY, B.S., M.D., Professor of Histology and Pathology, Vanderbilt University, Medical and Dental Departments; Pathologist to the Nashville City Hospital, etc. Second Edition, thoroughly revised and greatly enlarged. 16mo. volume of 263 pages, with 92 beautiful illustrations. Philadelphia and London: W. B. Saunders & Co. J. A. Carveth & Co., Canadian Agents. 1902. Cloth, \$1.00 net.

This valuable work has been designed not only as an aid to the beginner, but also to help the practitioner who, having graduated at a time when histology was not taught in all the colleges, desires to gain sufficient knowledge of the subject to facilitate his better understanding of pathology. Both these aims it admirably fulfils, as is evidenced by the demand for a second edition in so short a time. In this edition a number of new original illustrations, mostly photo-micrographs, have been inserted to better elucidate the text. The chapter on Technic has been enlarged, a description of the appendix and rectal valves added, and the entire chapter, as, indeed, the entire book, thoroughly and carefully revised. As did the first edition, the work in its present form stands as a model of what a student's aid should be; and we unhesitatingly say that the practitioner as well would find a glance through the book of lasting benefit.