

The Detection of Poisons and Strong Drugs, including the quantitative estimation of medicinal principles in certain crude materials. By Dr. WILHELM AUTENRIETH, Professor in the University of Freiburg. Authorized translation from the third enlarged German edition, by WILLIAM H. WARREN, Ph.D., Professor of Chemistry, Medical Department of Washington University, St. Louis, Mo. Seventeen illustrations. Philadelphia: P. Blakiston's Son & Co., 1012 Walnut Street. 1905.

In the translation of Professor Autenrieth's work for English-speaking students of medicine and pharmacy, the translator has endeavored to adhere as closely as possible to the original as was consistent with clearness. The author has compiled an excellent guide book for the laboratory of the toxicologist. The detection of blood has been briefly considered, as has also the biological researches of blood. The last chapter deals with the quantitative estimation of certain active principles in crude materials used in medicine. A most useful laboratory book. A. J. H.

A Text-Book of Medical Chemistry and Toxicology. By JAMES W. HOLLAND, M.D., Professor of Medical Chemistry and Toxicology, and Dean Jefferson Medical College, Philadelphia. Octavo volume of 600 pages, fully illustrated, including 8 plates in colors. Philadelphia and London: W. B. Saunders & Co. Canadian agents: J. A. Carveth & Co., Limited, 434 Yonge Street, Toronto. 1905. Cloth, \$3.00 net.

Dr. Holland possesses the faculty of making even the most difficult and complicated chemical theories and formulæ easy and clear. This is probably due to his thirty-five years of practical experience in teaching chemistry and medicine. Recognizing that to understand physiologic chemistry students must first be informed upon points not referred to in most medical text-books, the author has included in his work the latest views of equilibrium of equations, mass-action, cryoscopy, osmotic pressure, dissociation of salts into ions, the effects of ionization upon electric conductivity, and the relationship between purin bodies, uric acid, and urea. Chemical substances he has treated from the standpoint of the medical student and physician, giving much more space to toxicology than is given in any other text-book on chemistry. The chapters on the clinical chemistry of milk, gastric contents, and the urine, and that on water supply and filtration are full of practical information. Dr. Holland's work will undoubtedly be gladly received by the profession, presenting as it does the mature experience of a practical teacher.