

THE AMERICAN YEARBOOK OF MEDICINE AND SURGERY FOR 1902. VOL. I, GENERAL MEDICINE. Philadelphia: W. B. Saunders & Co. 1902. 700 pp. Cloth, \$3.00 net. Half morocco, \$3.75 net.

This excellent work, which has been issued for a number of years, is under the editorial charge of George M. Gould, M.D., and presents brief summaries of the most important contributions to medical literature made during the preceding year. While naturally intended for practitioners of medicine the book will be found valuable and interesting by those chemists who desire to keep in view the advances in a field closely related to their own in many points. The fundamental importance of chemistry in medicine is becoming more clearly recognized from year to year, and this is well shown by a perusal of the pages of the Yearbook.

J. H. LONG.

INDICATORS AND TEST-PAPERS: Their Source, Preparation, Application, and Tests for Sensitiveness. A Résumé of the Current Facts Regarding the Action and Application of Indicators and Test-Papers Which Have Been Proposed from Time to Time, and are in Present Use in Chemical Manipulation, with a Tabular Summary of the Application of Indicators, Designed for the Use of Chemists, Pharmacists, and Students. BY ALFRED I. COHN, PH.G. Second Edition, Revised and Enlarged. First thousand, New York: John Wiley & Sons; London: Chapman & Hall, Limited, 1902. pp. ix + 267. Price, \$2.00.

The first edition of this work which was reviewed in this Journal, 1899, p. 1176, now appears with an appendix containing the description of ten additional indicators in the style of the previous work. The book is a useful addition to the practical chemist's list of dictionaries. References to original articles are unfortunately not given.

The present writer agrees perfectly with the former reviewer in believing that Mohr's unsupported assumption of the cause of color had better have been omitted, and that the isolated discussion of the theory of indicators could well have been improved in the new edition.

W. R. WHITNEY.

A TEXT-BOOK OF INORGANIC CHEMISTRY. BY DR. A. F. HOLLEMAN, rendered into English by HERMON C. COOPER, PH.D. John Wiley & Sons. 1902. viii + 458 pp. Price, \$2.50.

The difficult task of incorporating the ideas of the newer physical chemistry with the general descriptive matter necessary in a

text intended to introduce the student to chemical studies has been undertaken by the author of this work with boldness and discretion. The theory is not separated from the facts to which it belongs, but it is in every instance treated as an intimate part of them.

The concept of atoms and molecules is developed at an early stage, after a brief treatment of the properties and composition of water. The kinetic theory, dissociation, law of mass action, methods of determining molecular weights and several related topics are discussed, hand in hand with the description of the elements of the halogen group, and are treated with admirable precision and clearness. The question forces itself, however, upon the reader, whether it is wise to compress so large a part of the theory into the first eighty pages.

The presentation of the principles of thermochemistry is very satisfactory and that of the periodic system is adequate, the customary atomic volume curve being reproduced according to recent data.

A good deal of space is devoted to technological processes, eight pages being given, for example, to the manufacture of sulphuric acid. The few words relating to spectrum analysis could scarcely be improved upon.

The book as a whole has a marked air of scholarly distinction, for which part of the credit belongs to the translator. Very few passages bear any of the ear-marks of translation which too often disfigure American editions of foreign scientific books. While the descriptive matter is subordinated to the consideration of principles, it does not seem to the reviewer that the author has gone too far in this direction. It would not be impossible for some college classes to cover the entire ground of the text in a year's work.

LAUNCELOT W. ANDREWS.

A BIBLIOGRAPHY OF THE ANALYTICAL CHEMISTRY OF MANGANESE, 1785-1900. BY HENRY P. TALBOT AND JOHN W. BROWN. City of Washington: Published by the Smithsonian Institution. 1902. pp. viii+124.

This is the fourteenth of the bibliographies pertaining to chemical subjects published by the Smithsonian Institution on recommendation of a Committee of the American Association for the Advancement of Science of which Dr. H. C. Bolton is Chair-