

## NEW BOOKS.

MANUAL OF CHEMICAL ANALYSIS AS APPLIED TO THE ASSAY OF FUELS, ORES, METALS, ALLOYS, SALTS AND OTHER MINERAL PRODUCTS. BY EUGENE PROST, D.Sc., of the University of Liège. Translated from the original by J. CRUIKSHANK SMITH, B.Sc., F.C.S., some time Chief Assistant Department of Technological Chemistry, Glasgow, and West of Scotland Technical College. London, Eng.: Maclaren and Sons, New York: D. Van Nostrand Co. 1904. vii + 300 pp. Cloth. Price, \$4.50 net.

The author has brought together in this hand-book a collection of methods for the analysis of the chief mineral products, both native and manufactured, with which the industrial or metallurgical chemist has to deal. These methods have been selected from those which have commended themselves to the author, or have been communicated to him by "specialists of large experience."

The subject-matter is divided into three parts, of which Part I includes the analysis of fuels, of water for hardness only, and of the important compounds of each of the common metals, arranged in chapters under each metal. Part II deals with the analysis of irons and steels, and of copper, zinc, lead, aluminum, tin, nickel, and antimony, while Part III describes the analyses of such alloys as the brasses, bronzes, aluminum alloys, anti-friction metals, fusible metals, and alloys of silver and gold.

The analytical procedures are preceded by a brief description of the important properties of the commercial product under discussion, and, frequently, by typical results of analysis.

Every author who places before his co-workers a collection of analytical procedures which he is willing to guarantee to be reliable is worthy of full recognition for the boon conferred, provided, of course, that he speaks from a full experience. In the present instance the methods presented appear to be mostly those of recognized usefulness, and these methods are described in considerable detail. It is natural that the selection of processes should reflect the usage of the continental laboratories abroad, and this brings the book, as a whole, somewhat out of accord with American analytical practice. While it does not appear to contribute much material for which freshness or originality can be claimed, it is, nevertheless, to be respected in its purpose, as outlined above, and both practising analysts and students will find it worthy of attention.

The translator has done his part commendably, the proof-readers somewhat less so, as errors and crooked lines are not by any means lacking (notably on page 75, and in equations on pages 57, 108, 121, and 130). The peculiar quality of paper chosen appears to be responsible for indistinctness in many small letters and figures.

H. P. TALBOT.

PHARMACOLOGY OF THE FLUID EXTRACTS IN COMMON USE. BY JOHN S. WRIGHT. Indianapolis: Eli Lilly and Co. 1905. 225 pp. Price, 50 cents.

It is a valuable little handbook containing much information in a very concise form, useful alike to the busy practitioner of medicine and to the dispensing pharmacist. Being brief, it does not go into minute details or into a discussion of doubtful points. The list of common and botanical synonyms and general index make it easily possible to ascertain the pharmacological action of any drug described in the book. In order to make it more valuable and complete, a few drugs not exhibited in the form of fluid extracts, are included. The last pages are devoted to poisons and antidotes, weights and measures, and a very complete list of abbreviations used in prescription writing. It is printed upon good paper and bound in flexible leather.

W. H. BLOME.