

and it is easiest then to transfer the solution and precipitate to a graduated flask, fill to the mark, mix, filter through a dry paper, and take an aliquot part for the zinc determination. The hydrogen peroxide in the solution may be effectively removed by boiling off about half of the liquid before acidifying. The addition of hydrogen sulphide water after the addition of the acid destroys any trace that may have been left after boiling.

The solution is now ready for the zinc determination, unless the ore contains copper or cadmium, which must, of course, be removed.

PERCY H. WALKER.

CHEMICAL LABORATORY, INTERNATIONAL TEXT-BOOK CO.,
SCRANTON, PA.,
January, 1904.

NEW BOOKS.

ANNUAIRE POUR L'AN 1904, PUBLIE PAR LE BUREAU DES LONGITUDES.
16119. 732 + 80 pp. Price, 1 fr. 50 centimes. Paris: Gauthier-Villars.

Exactly one-half of this volume is an almanac, with nothing in it of chemical interest. The latter half contains physical and chemical tables, and the reviewer is pleased to be able to modify his criticism of the former volume (1903), and to say that *this* volume is well worth its price to the chemist because of the careful revision and the addition of 13 new tables, the thermochemical tables contributed by Berthelot (47 pages) being alone well worth the cost of the book. These physical and chemical tables will, in future, be published only on alternate years, so that the volumes issuing on the even years will be the only ones of value to the chemist.

JOSEPH W. RICHARDS.

THE TECHNOLOGY OF SUGAR. BY J. G. MACKINTOSH. London: Scott, Greenwood & Co.; New York: D. Van Nostrand Co. 1903. 402 pp. Price, \$4.50 net.

A better title would have been "The Technology of Beet Sugar, with Some Supplementary Notes on Cane-Sugar Manufacture." The book will be welcome as a commendable treatise on the technology and history of continental beet sugar-house methods. As a review in English of the classic works of Horsin-Deon and other eminent European sugar-house engineers, it will be useful in the library of the sugar-house and technical school, if only to