

and of reciprocals. Several of the old tables now appear in greatly extended form.

As a guarantee of correctness, notwithstanding the resetting of the entire work which this edition involves, the author-publisher continues his offer of \$1 for the first notice of any error.

The tables are a model of typographical excellence, and the profits at the very low price named must be near the vanishing point. T.

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*Manual of Qualitative Blow-pipe Analysis, and Determinative Mineralogy.*  
By F. M. Endlich, Ph.D. New York: The Scientific Publishing Company. 1892.

The author of this work was a pupil of Richter. He has evidently given this particular branch of qualitative analysis much study, and writes as one who is in love with his work. As a result his book is comprehensive and thorough. It contains all of the most recently discovered reactions that are of value, and gives considerable space to the behavior before the blow-pipe of the rarer elements. The determinative tables are very complete, occupying over 130 pages, about one-third of the entire book.

The book needs an index to minerals, since without it, the student, in using the tables, is obliged to use the deductive method exclusively.

On the front of p. 308, a method of detecting potash in muscovite is given that will show potash whether it be present or not. P.

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## Franklin Institute.

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[*Proceedings of the stated meeting, held Wednesday, March 15, 1893.*]

HALL OF THE FRANKLIN INSTITUTE,  
PHILADELPHIA, March 15, 1893

MR. H. R. HEYL, Chairman *pro tem*.

Present, eighty-nine members and six visitors.

Additions to membership since last report, eleven.

The Secretary reported the resignation of Messrs. Philip Pistor and W. M. McAllister from the Committee on Science and the Arts.

On motion, it was decided to fill the vacancies at the next stated meeting.

Mr. James M. Price read a paper on "The Price Metallic Ties," illustrating the subject by the exhibition of diagrams and specimens.

Mr. Alex. E. Outerbridge, Jr., read a paper on "The Modern Traveling Crane," illustrated by several lantern views. Referred for publication.

On account of the lateness of the hour, it was decided to postpone until the next stated meeting the communication of Mr. John M. Hartman, on "Ancient Egyptian Architecture."

For the same reason, the Secretary's report was deferred.

Adjourned.

WM. H. WAHL, Secretary.