

tent and in what directions the authors of these products of an "infant industry" may be expected to develop. Let us hope that some one will undertake the task.

E. M. BLAKE.

COLUMBIA COLLEGE, *January, 1894.*

## THE TEACHING OF MATHEMATICS IN THE SECONDARY SCHOOLS.

*EXTRACT FROM THE REPORT RENDERED TO THE NATIONAL EDUCATIONAL SOCIETY, DECEMBER 4, 1893, BY THE COMMITTEE ON SECONDARY SCHOOL STUDIES.\**

At the meeting of the National Educational Association held in Saratoga, July 9, 1892, a committee of ten was appointed to organize a series of conferences upon the subjects and methods of instruction in the secondary schools and to prepare a report based upon the results thus obtained. The members of this committee were: Charles W. Eliot, President of Harvard University, Cambridge, Mass., *Chairman*; William T. Harris, Commissioner of Education, Washington, D. C.; James B. Angell, President of the University of Michigan, Ann Arbor, Mich.; John Tetlow, Head Master of the Girls' High School and the Girls' Latin School, Boston, Mass.; James M. Taylor, President of Vassar College, Poughkeepsie, N. Y.; Oscar D. Robinson, Principal of the High School, Albany, N. Y.; James H. Baker, President of the University of Colorado, Boulder, Colo.; Richard H. Jesse, President of the University of Missouri, Columbia, Mo.; James C. Mackenzie, Head Master of the Lawrenceville School, Lawrenceville, N. J.; Henry C. King, Professor in Oberlin College, Oberlin, Ohio.

The persons selected by them to hold the conference upon mathematical studies were the following: Professor William E. Byerly, Harvard University, Cambridge, Mass.; Professor Florian Cajori, Colorado College, Colorado Springs, Colo.; Arthur H. Cutler, Principal of a Private School for Boys, New York City; Professor Henry B. Fine, College of New Jersey, Princeton, N. J.; W. A. Greeson, Principal of the High School, Grand Rapids, Mich.; Andrew Ingraham, Swain Free School, New Bedford, Mass.; Professor Simon Newcomb, Johns Hopkins University, and Washington, D. C.; Professor George D. Olds, Amherst College, Amherst, Mass.; James L. Patterson, Lawrenceville School, Lawrenceville, N. J.; Professor T. H. Safford, Williams College, Williamstown, Mass.

We reproduce below the remarks of the committee in regard to the report of the mathematical conference. The report of the committee, with the reports of the several conferences appended, may be obtained from the U. S. Bureau of Education upon application.—EDITORS.

THE form of the report of the Conference on Mathematics† differs somewhat from that of the other reports. This report is subdivided under five headings: 1st, General Conclusions. 2d, The Teaching of Arithmetic. 3d, The Teaching of

\* U. S. Bureau of Education, Circular No. 205 (1893), 8vo, 249 pp.

† *Ibid.*, pp. 104–116.