

and metric geometry. This should give an idea of the scope of the book. Dealing as it does with an order of ideas that is familiar to the readers of these pages, a more detailed analysis of the contents would be out of place. We regret the absence in the book of an alphabetical subject index.

J. W. YOUNG.

NOTES.

THE Annual Register of the AMERICAN MATHEMATICAL SOCIETY is now in preparation and will be issued in January. Blanks for furnishing necessary information have been sent to the members. Early notice of any changes since the issue of the last Register will greatly facilitate the work of the Secretary.

THE Chicago Section of the AMERICAN MATHEMATICAL SOCIETY will hold two joint sessions with Sections A and D of the American association for the advancement of science on Monday and Tuesday, December 30–31, 1907, at the University of Chicago. The speakers on Monday afternoon will consider the present status of the teaching of mathematics to students of engineering, both in this country and abroad. On Tuesday morning there will be a symposium on the topic: "What is needed in the teaching of mathematics to students of engineering?" The topics included will be (a) What branches of mathematics are desirable? (b) To what extent should the various branches be taught? (c) What methods of presentation are needed? (d) What are the chief ends to be attained?

Prominent practical engineers and teachers of mathematics and engineering will take part in the programme. There will be a banquet to engineers and mathematicians on Monday evening. Further details will be announced in the printed program, which will be distributed well in advance of the meeting.

TITLES and abstracts of papers intended for presentation before Section A of the American association for the advancement of science at the coming Chicago meeting should be sent to Professor G. A. MILLER, 907 West Nevada street, Urbana, Ill., who has been appointed secretary of Section A to succeed Professor L. G. WELD, who has retired after several years' service in that office.