NOTES.

THE Spring meeting of the Chicago section of the AMERI-CAN MATHEMATICAL SOCIETY will take place on Saturday, April 9th, at the University of Chicago.

A NEW list of members of the AMERICAN MATHEMATICAL SOCIETY has just been published and distributed to the members of the Society. Extra copies may be obtained from the Secretary.

THE Lobachevsky prize for 1897 has been awarded to Professor SOPHUS LIE, of the University of Leipzig, for the third volume of his work "Theorie der Transformations-gruppen," Leipzig, 1893. The decision was announced at the meeting of the Physico-Mathematical Society of Kazan, November 3, 1897. The following works were awarded honorable mention : L. GÉRARD, Thèse sur la géométrie non-euclidienne, Paris, 1892; E. CESÀRO, Lezioni di geometria intrinseca, Napoli, 1896 ; G. FONTENÉ, L'hyperespace à $n-1$ dimensions, Paris, 1892. Nine works had been submitted to compete for the prize which amounts to 500 rubles. A gold medal was also awarded to Professor FELIX KLEIN, of the University of Göttingen, for the assistance he rendered the committee in assigning the prize. Professor Klein's report, Zur ersten Verteilung des Lobatschewsky-Preises, Gutachten betreffend den dritten Band der Theorie der Transformationsgruppen von S. Lie, has just been published. The next award of the Lobachevsky prize, which is given for a work on geometry, preferably noneuclidean geometry, published during the six years preceding the time of award, will take place on the third of November, 1900 ; all competing works must be sent to the Kazan Physico-Mathematical Society before November, 3, 1899.

AMONG the prizes awarded at the annual meeting of the French Academy of Sciences were the following: *Prix Francœur* (1,000 francs), awarded annually for discoveries or works useful to the progress of mathematical science, to G. ROBIN for the whole of his mathematical works; *Prix Poncelet* (2,000 francs), awarded annually for the work, published during the preceding ten years, which, in the judgment of the Academy, has been most useful to the progress of mathematical science, to R. LIOUVILLE, for the whole of his mathematical and mechanical works.

A statement of the subjects set by the Academy for the next mathematical prizes is given in the BULLETIN for March, 1897.

AT Christmas, 1897, an album containing the photographs of the present and former members of the Mathematischer Verein at Göttingen, was presented to Professor Felix Klein, in remembrance of the fact that his activity as professor has extended through a period of twenty-five years. A further collection for presentation to Professor Klein is being made of the photographs and signatures of all his former students at Göttingen.

THE International Society for the promotion of quaternions and allied mathematics has elected the following officers: President, Sir Robert S. Ball, Cambridge, England; General Secretary, Professor A. Macfarlane, Lehigh University, Bethlehem, Pa.

THE late Professor BRIOSCHI afforded a striking instance of a combination rare in this generation. Though a pure mathematician of the first rank, he had also a distinctly practical side. The Polytechnic School at Milan was founded through his efforts, and at the time of his death he was professor in this institution not only of pure mathematics but also of hydraulics. It appears from the catalogue that his course in the latter subject was concerned with matters of the most immediately practical interest, such as, for example, the damming of rivers.

WE have recently received several catalogues of rare and second-hand mathematical books. Specially worthy of mention are: Catalogue No. 58 of A. Hermann, 8 rue de la Sorbonne, Paris; Antiquariatskatalog Nr. 536 of K. F. Koehler's antiquarium, Kurprinzstrasse 6, Leipzig; and Circular No. 129 of William Wesley & Son, 28 Essex Street, Strand, London. That last mentioned includes many works from the library of the Rev. A. Freeman, late Fellow of St. John's College, Cambridge, England.

PROFESSOR FRIEDRICH WINNECKE, distinguished astronomer, died at Bonn, December 3, 1897.

L. CREMONA, professor of higher mathematics in the University of Rome, has been chosen to succeed the late Professor Sylvester as corresponding member of the Paris Academy of Sciences.

PROFESSOR CHARLOTTE ANGAS SCOTT, of Bryn Mawr College, Bryn Mawr, Pennsylvania, has recently been appointed a collaborator of the " Revue Semestrielle des Publications Mathématiques," with special reference to such American mathematical periodicals as are not already in charge. It is particularly requested that editors whose periodicals have not hitherto been analyzed in the *Revue* will kindly communicate with her without delay.