

NOTES.

A REGULAR meeting of the AMERICAN MATHEMATICAL SOCIETY was held in New York, Saturday afternoon, November 30, at three o'clock, the President, Dr. HILL, in the chair. There were fifteen members present. On the recommendation of the Council, the following persons, nominated at the preceding meeting, were elected to membership: Professor ALEXANDRE S. CHESIN, Johns Hopkins University, Baltimore, Md.; Dr. JONATHAN BRACE CHITTENDEN, Columbia College, New York; Mr. ARTHUR BOWES FRIZELL, University of City of New York, New York; Mr. JOHN ETHAN HILL, Columbia College, New York; Professor ELLEN HAYES, Wellesley College, Wellesley, Mass.; Professor THOMAS EMERY MCKINNEY, Marietta College, Marietta, O.; Professor EDGAR JEROME TOWNSEND, University of Illinois, Champaign, Ill. Three nominations for membership were received. The following papers were read:

(1) Mr. R. A. ROBERTS: "On the locus of the foci of conics having double contact with two fixed conics."

(2) Professor F. MORLEY: "On the common tangents to two similar epicycloids."

(3) Dr. G. W. HILL: "On the convergence of the series used in the subject of perturbations."

At the Annual Meeting of the AMERICAN MATHEMATICAL SOCIETY, which will be held on Friday afternoon, December 27, at three o'clock, the President, Dr. G. W. HILL, will deliver an address entitled: "*Some Remarks on the Progress of Celestial Mechanics since the Middle of the Century.*"

THE mathematical courses of the *Faculté des Sciences* in Paris during the first semester of the current academic year include the following:—Professor Darboux: Principles of geometry and theory of algebraic curves;—Professor Picard: Analogies between the theory of algebraic equations and that of linear differential equations;—Professor Appell: General laws of equilibrium and motion;—Professor Tisserand: Principal methods employed for the determination of orbits of comets, planets, and double stars;—Professor Poincaré: Study of elasticity;—Professor Boussinesq: Fluids; study of their mechanical properties, and the most important motions in which interior friction plays a secondary part. The following supplementary courses are also given:—Mr. Painlevé: Differential and integral calculus;—Mr. Koenigs: Kinematics;—Mr. Andoyer: Rotations of the heavenly bodies on themselves. Mathematical conferences are conducted by Messrs.