

NOTES.

THE San Francisco Section of the AMERICAN MATHEMATICAL SOCIETY will hold its eighth regular meeting at the University of California, on September 30.

AT the meeting of the London mathematical society held on May 11, 1905, the following papers were read: by Mr. J. A. H. JOHNSTON, "On the intersection of two conic sections"; by Mr. H. G. DAWSON, "On a system of conics yielding operators which annihilate a cubic, and its bearing on the reduction of the cubic to the sum of four cubes"; by Lieut. Col. A. CUNNINGHAM, "Higher Pellian factorizations."

THE Royal academy of sciences of Denmark announces the following problem in mathematics, for the best solution of which it offers the academy's gold medal, valued at 320 crowns:

To indicate a rule of multiplication applicable to the numerals mentioned by T. N. Thiele (*Memoirs of the Royal Academy of Sciences and Arts of Denmark*, series 6, II, volume 11 (1886), page 508), and by means of which the product as well as the sum can be obtained, presenting the same three-dimensional form that characterizes the factors. Then examine whether the principal theorems of multiplication and division are all satisfied. It is also desired to examine whether the numerals are susceptible of a geometric interpretation.

Competing memoirs may be written in Danish, Swedish, German, French, English or Latin, and sent under the usual conditions to the secretary, Professor H. G. Zeuthen, University of Copenhagen, before October 31, 1906.

THE Royal academy of sciences of Turin will award the Bressa prize to the person "who, in the opinion of the academy, shall have contributed during the interval 1903-1906 the most important or most useful discovery or written the most celebrated book, in the field of physical or experimental sciences, natural history, pure and applied mathematics, chemistry, physiology, pathology, not excluding geology, history, geography or statistics." Competing books or memoirs must be received by the president of the academy before December 31, 1906. Manuscripts will not be considered. The prize has a money value of 9600 lire.