

THE FEBRUARY MEETING OF THE SAN  
FRANCISCO SECTION.

THE thirteenth regular meeting of the San Francisco Section of the AMERICAN MATHEMATICAL SOCIETY was held on Saturday, February 29, 1908, at Stanford University. Professor Hoskins presided. The following thirteen members were present:

Professor R. E. Allardice, Professor H. F. Blichfeldt, Professor R. L. Green, Professor M. W. Haskell, Professor L. M. Hoskins, Professor D. N. Lehmer, Mr. Joseph Lipke, Dr. J. H. McDonald, Professor W. A. Manning, Professor Irving Stringham, Mr. W. H. Stager, Mr. J. D. Suter, Professor S. D. Townley.

The following papers were read at this meeting:

(1) Professor D. N. LEHMER: "A discussion by synthetic methods of the covariant conic of two given conics."

(2) Mr. JOSEPH LIPKE: "Ein Fehler im König'schen Beweise des Reciprocitätsgesetzes in der Theorie der quadratischen Reste."

(3) Professor G. A. MILLER: "Generalization of the positive and negative numbers." (By title.)

(4) Professor L. M. HOSKINS: "A general diagrammatic method of representing propositions and inference in the logic of classes."

(5) Dr. J. H. McDONALD: "On certain types of continued fractions considered from a common point of view."

(6) Mr. J. D. SUTER: "On the surface  $F_1(u) = u/(1 - u^4)$ ,  $F_2(v) = v/(1 - v^4)$ " (preliminary report).

(7) Professor H. F. BLICHFELDT: "On a certain basis of geometry" (preliminary report).

(8) Professor L. M. HOSKINS: "General algebraic solutions in the logic of classes."

Abstracts of the papers follow below in the order as given above.

1. Professor Lehmer gave a discussion by synthetic methods of the problem: To find the locus of a point in the plane such that the four tangents from it to two fixed conics shall be harmonic. The proof is made to depend on the theorem: Given a point row of the second order and a pencil of rays of the second order projective to it, at most four rays of the pencil