

THE FIFTIETH REGULAR MEETING OF THE SAN FRANCISCO SECTION

The fiftieth regular meeting of the San Francisco Section of the Society was held at the University of California on Saturday, October 30, 1926. Professor Cajori acted as temporary chairman till the arrival of the chairman, Professor Blichfeldt. The total attendance was forty, including the following twenty-two members of the Society:

Alderton, Allardice, A. B. D. Andrews, Bernstein, Blichfeldt, Buck, Cajori, Corbin, R. L. Green, M. W. Haskell, E. R. Hedrick, Hotelling, Frank Irwin, D. H. Lehmer, D. N. Lehmer, Sophia Levy, W. A. Manning, J. H. McDonald, F. R. Morris, Pauline Sperry, A. R. Williams, Wong.

The following officers were elected for the year: Chairman, Professor R. E. Allardice; Secretary, Professor B. A. Bernstein; Program Committee, Professors E. T. Bell, Daniel Buchanan, Frank Irwin, B. A. Bernstein (ex officio).

The Section accepted the invitation of President Klinck of the University of British Columbia that the 1927 Summer meeting be held in June at the University of British Columbia. It was decided to hold the next fall meeting on October 29, 1927, at the University of California.

Titles and abstracts of papers read at the meeting follow. Professor McDonald's paper was delivered at the request of the Program Committee. The papers of Professors Bell and Wear were read by title.

1. Professor J. H. McDonald: *The relations between the algebraic and transcendental solution of certain problems.*

The problems referred to belong to the integral calculus. The determination of integrals requires us to decide whether two elliptic integrals are transformable into each other, whether a given radical admits an Abel-pseudo-elliptic integral, whether a given algebraic relation has an associated elliptic integral. These problems admit enunciations which are arithmetic, algebraic, or function-theoretic. It is the object of the colloquium to consider the different aspects of these problems and to present contributions to their solution.