Director Keyes tendered the hospitality of the college to the two societies. Excursions into the country about Hanover were arranged for the closing days of the meetings. At the joint session a vote of thanks was extended to the college authorities for their generous cooperation toward a successful occasion.

The meeting of the society included an evening session on Wednesday and the usual morning and afternoon sessions on Thursday, besides the joint session on Friday morning. The attendance included forty-six members. Professor W. W. Johnson presided at the Wednesday session, and Professor H. W. Tyler at the Thursday sessions. The following new members were elected: Professor A. L. Candy, University of Nebraska; Mr. J. R. Carson and Mr. R. S. Hoyt, American Telephone and Telegraph Company; Dr. K. W. Lamson, Columbia University; Professor A. S. Merrill, University of Montana; Mr. F. H. Murray, Harvard University; Mr. H. W. Nichols, Western Electric Company; Professor W. E. Patten, Government Institute of Technology, Shanghai, China. Nine applications for membership were received.

The following papers were read at this meeting:

L. B. Robinson: "A curious system of polynomials."

G. A. Miller: "Groups generated by two operators whose relative transforms are equal to each other."

P. J. Daniell: "Differentiation with respect to a function of limited variation."

B. F. Groat: "Models and hydraulic similarity."

L. C. Mathewson: "On the groups of isomorphisms of a system of abelian groups of order p^m and type $(n, 1, 1, \ldots, 1)$."

C. N. Reynolds: "On the zeros of solutions of linear differential equations of the fourth order."

J. E. Rowe: "Related invariants of two rational sextics."

W. W. Johnson: "The nature and history of Napier's rules of circular parts."

O. E. Glenn: "On a new treatment of theorems of finiteness."

Louise D. Cummings: "The trains for the 36 groupless triads on 15 elements.

Josephine R. Roe: "Interfunctional expressibility problems of symmetric functions (third paper)."

B. F. Groat: "Equations of the elastic catenary."

C. H. Forsyth: "Relative distributions."

W. D. Cairns: "A derivation of the equation of the normal probability curve."

Mary F. Curtis: "Curves invariant under point transformations of special type."

G. D. Birkhoff: "On stability in dynamics."

Daniel Buchanan: "Periodic orbits on a surface of revolution."

A. R. Schweitzer: "On the iterative properties of an abstract group (third paper)."

C. N. Haskins: "On the roots of the function $P(x)$ associated with the gamma function" (preliminary communication).

Christine Ladd-Franklin: "Bertrand Russell and symbol logic."

Abstracts of the papers will appear in the secretary's report in the November *Bulletin.*

The next regular meeting of the society will be held at Columbia University on Saturday, October 26.

The society has recently published Part I. of Volume V. of its series of Colloquium Lectures being the lectures given by Griffith C. Evans on "'Functionals and their applications: selected topics, including integral equations" at the Cambridge Colloquium, 1916.

F. N. COLE,
Secretary