

Woodward, and Professors Birkhoff and Mac-Millan as representatives of the society in the American section of the International Astronomical Union.

The committee on the publication of a mathematical year book presented a preliminary report and was continued and asked to make a further report at a future meeting.

A special feature of the meeting was the reports by Captain Jackson, Dr. Gronwall and Major Veblen on the work in ballistics at Aberdeen and Washington, which occupied the first part of the afternoon session. The titles of these reports are included in the list of papers below.

About fifty members and friends gathered at the midday luncheon; thirty-two attended the dinner at the Faculty Club in the evening. Much satisfaction was expressed at the revival of these pleasant occasions.

The Chicago Section held its regular spring meeting on March 28-29. The San Francisco Section met at the University of California on April 5.

The following papers were read at the New York meeting:

C. J. Keyser: "Concerning groups of dyadic relations in an arbitrary field."

J. K. Whittemore: "Certain functional equations connected with minimal surfaces."

W. B. Fite: "Linear functional differential equations."

L. B. Robinson: "Note on a theorem due to Wilczynski."

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

O. E. Glenn: "Covariants of binary modular groups."

O. E. Glenn: "Modular covariant theory of the binary quartic. Tables" (preliminary report).

O. E. Glenn: "Invariants of velocity and acceleration."

F. H. Safford: "Reduction of the elliptic element to the Weierstrass form."

Philip Franklin: "Computation of the complex roots of the function  $P(z)$ ."

A. R. Schweitzer: "On the history of functional equations" (preliminary report).

E. D. Roe, Jr.: "The irreducible factors of  $1 + x + \dots + x^{n-1}$ . Second paper."

E. D. Roe, Jr.: "The irreducible factors of a circulant."

Dunham Jackson: "Small arc computations and related questions."

T. H. Gronwall: "Qualitative properties of the ballistic trajectory."

Oswald Veblen: "Progress in design of artillery projectiles."

G. D. Birkhoff: "Boundary value and expansion problem for differential systems of the first order."

G. D. Birkhoff: "Note on the closed curves described by a particle moving on a surface in a gravitational field."

G. D. Birkhoff: "Note on the problem of three bodies."

Edward Kasner: "A characteristic property of central forces."

J. F. Ritt: "On weighting factor curves for low elevations."

A. C. Lunn: "Some functional equations in the theory of relativity."

J. R. Kline: "Concerning sense on closed curves in non-metrical plane analysis situs."

R. L. Moore: "On the most general class L of Fréchet in which the Heine-Borel-Lebesgue theorem holds true."

H. S. Vandiver: "On the class number of the field  $\Omega(e^{2i\pi/p^n})$  and the second case of Fermat's last theorem."

F. W. Beal: "On certain points of congruences of circles."

L. L. Silverman: "Regular transformations of divergent series and integrals."

T. C. Fry: "The application of the modern theories of integration to the solution of differential equations."

C. A. Fischer: "Completely continuous transformations and Stieltjes integral equations."

Arnold Emch: "On closed curves described by a spherical pendulum."

H. S. White: "An explicit formula for two old problems."

L. P. Eisenhart: "Triply conjugate systems with equal point invariants."

F. N. COLE,  
Secretary

---

## SCIENCE

A Weekly Journal devoted to the Advancement of Science, publishing the official notices and proceedings of the American Association for the Advancement of Science

Published every Friday by

**THE SCIENCE PRESS**  
LANCASTER, PA. GARRISON, N. Y.  
NEW YORK, N. Y.

Entered in the post-office at Lancaster, Pa., as second class matter