is there any suggestion of motility on their part.

ROBERT B. WYLIE
UNIVERSITY OF IOWA

THE AMERICAN MATHEMATICAL SOCIETY

THE twenty-ninth summer meeting of the American Mathematical Society was held at the University of Rochester, Thursday and Friday, September 7-8, 1922, in conjunction with the meeting of the Mathematical Association of America. Special features of the session included visits to the research laboratories of the Eastman Kodak Company and to the buildings of the Bausch and Lomb Optical Company, a chamber concert at the Eastman School of Music, and an automobile drive through the environs of Rochester, arranged by the alumni of the university. A resolution was passed expressing the thanks of the society for the generous hospitality extended.

The attendance included seventy members of the society. The secretary announced the election of ten persons to membership in the society; twenty-one applications for membership were received.

At the meeting of the council, committees were appointed as follows: Professors C. N. Haskins, T. S. Fiske and H. S. White on award of the Bôcher Memorial Prize; Professors D. R. Curtiss, Dunham Jackson and H. H. Mitchell on nomination of officers for 1923.

The medal presented to the society by the Royal Academy of Belgium on the occasion of its one hundred and fiftieth anniversary was exhibited.

A reciprocity agreement was ratified with the London Mathematical Society which grants to members of one society membership in the other at half-rates.

The session of Friday morning was especially marked by a paper read by Professor C. A. Fischer, at the request of the program committee, on "Functions of lines."

The following papers were read at this meeting:

Condition that a tensor be the curl of a vector: L. P. EISENHART.

A new class of topological invariants for two-sided manifolds: S. LEFSCHETZ.

The (1, 2) *quaternary correspondence associated with certain space involutions:* F. R. SHARPE and V. SNYDER.

On the summability of the double Fourier series: C. N. MOORE.

The theory of sets and the foundation of arithmetic: N. J. LENNES.

Kirkman parades: F. N. COLE.

On the definition of a simple closed surface: R. L. MOORE and J. R. KLINE.

The theory of functions of one Boolean variable: K. SCHMIDT.

Representation of rectilinear motion by the geodesics of a surface: A. MYLLER.

Note on steady fluid motion: S. D. ZELDIN.

Real representatives of analytic complex curves: W. C. GRAUSTEIN.

Extension of Bernstein's theorem to Sturm-Liouville sums: ELIZABETH CARLSON.

A Bohr-Langmuir contact transformation: G. C. EVANS.

An elementary theory of competition: G. C. EVANS.

Groups in which the number of operators in a set of conjugates is equal to the order of the commutator subgroup: G. A. MILLER.

Expansions in terms of solutions of partial differential equations. First paper: Multiple Fourier expansions: C. C. CAMP.

On the minimum of the sum of a definite integral and a function of a point: E. H. CLARKE.

A simple proof of a fundamental lemma concerning the limit of a sum: H. J. ETTLINGER.

Application of Duhamel's theorem to the convergence proof for approximate solutions of differential equations: A. H. COWLING.

Two theorems on multiple integrals: P. FRANKLIN.

An extension of the theorem of Bayes, by the use of a certain limit: E. L. DODD.

Fundamental systems of protomorphic formal modular seminvariants of binary forms: W. L. G. WILLIAMS.

An example in potential theory: O. D. KELLOGG.

On certain systems of differential equations containing a parameter: F. H. MURRAY.

Periodic solutions in the problem of three bodies: F. H. MURRAY.

Functions of lines: C. A. FISCHER.

The expansion of a certain function: I. J. SCHWATT.

The summation of a family of deranged series: I. J. SCHWATT.

The sum of the harmonic series: I. J. SCHWATT.

R. G. D. RICHARDSON,
Secretary