

tures, such as those of boiling water. The presence of salts or other compounds may be accountable for the resistance of the proteins to high temperatures.

D. T. MACDOUGAL

DESERT LABORATORY,
TUCSON, ARIZONA,

THE AMERICAN MATHEMATICAL SOCIETY

THE two hundred and fourteenth regular meeting of the American Mathematical Society was held at Columbia University, on Saturday, February 26, 1921, extending through the usual morning and afternoon sessions. The attendance included thirty-five members. Ex-president H. B. Fine occupied the chair. One hundred and fifteen new members were elected, and twenty-four applications for membership in the society were received.

The council voted to accept the invitation to affiliate with it extended to the society by the American Association for the Advancement of Science.

Professor E. B. Van Vleck was appointed representative of the society in the division of physical sciences of the National Research Council, to succeed Professor H. S. White. The final report of the committee on membership and sales was presented by its chairman, Professor E. R. Hedrick; in all one hundred and thirty-two applications for membership have been received through this very efficient committee. Questions having arisen concerning dues of foreign members, concerning sales and exchanges of publications with foreign societies and libraries, and concerning individual or concerted efforts to aid foreign journals, a committee was appointed by the council to consider these and related problems.

A letter was read to the council from ex-secretary F. N. Cole donating to the society the sum which accompanied the testimonial tendered him at the preceding meeting of the society in recognition of his very distinguished services. It was voted that the council accept the gift and extend to Professor Cole its heartiest appreciation of his generosity; it was further voted that this fund shall constitute, and be designated as, the Cole Fund. A committee was appointed to consider the use to which the income can best be devoted. The council approved the suggestion that the present volume of the society's *Bulletin* be inscribed to Professor Cole.

A letter of felicitation was sent to Professor Mittag-Leffler, of Stockholm, on the occasion of the seventy-fifth anniversary of his birth.

The following papers were read at this meeting:
Coefficient of the general term in the expansion of a product of polynomials: L. H. RICE.

The mathematical theory of proportional representation, with a substitute for least squares: E. V. HUNTINGTON.

On the apportionment of representatives: F. W. OWENS.

On the polar equation of algebraic curves: ARNOLD EMCH.

Generalization of the concept of invariancy derived from a type of correspondence between functional domains. Second proof of the finiteness of formal binary concomitants modulo p : O. E. GLENN.

Concerning the sum of a countable number of point sets: R. L. MOORE.

On the simplification of the structure of finite continuous groups with more than one two-parameter invariant subgroup: S. D. ZELDIN.

Periodic functions with a multiplication theorem: J. F. RITT.

Note on equal continuity: J. F. RITT.

Expressions for the Bernoulli function of order p : I. J. SCHWATT.

The expansion of a continued product: I. J. SCHWATT.

Method for the summation of a family of series: I. J. SCHWATT.

Note on the evaluation of a definite integral: I. J. SCHWATT.

A property of the Pellian equation with some results derived from it: JOHN McDONNELL.

A necessary and sufficient condition that the sum of two bounded, closed and connected point sets should disconnect a plane: ANNA M. MULLIKIN.

Some empirical formulas in ballistics: T. H. GRONWALL.

Summation of a double series: T. H. GRONWALL.

A geometrical characterization of the paths of particles in the gravitational field of a mass at rest: L. P. EISENHART.

The equations of interior ballistics: A. A. BENNETT.

The next meetings of the society will be at Chicago on March 25 and 26, and at New York, in April.

R. G. D. RICHARDSON,
Secretary