AMERICAN MATHEMATICAL SOCIETY

THE thirtieth summer meeting of the American Mathematical Society was held at Vassar College, Poughkeepsie, New York, Thursday and Friday, September 6–7, 1923, in conjunction with the meeting of the Mathematical Association of America. The college contributed greatly to the success of the meetings by opening its buildings for the entertainment of the visitors.

A joint session of the two societies was held on Thursday afternoon, at which the following papers were read:

I. *An introductory account of the arithmetical theory of algebraic numbers and its recent development,* by Professor L. J. Mordell, of the University of Manchester. (Address presented at the request of the American Mathematical Society.)

II. *Mathematicians and music,* by Professor R. C. Archibald. (Address of the retiring president of the Mathematical Association of America.)

At the joint dinner on Thursday evening, President McCracken, of Vassar College, spoke on the relation of the undergraduate college to research. At the close of the meeting, it was voted to express the thanks of the Society to Vassar College for its hospitality.

The attendance included seventy-nine members of the Society. The secretary announced the election of twenty-seven persons to membership, and the entrance of two additional members of the London Mathematical Society under the reciprocity agreement. Forty-nine applications for membership were received.

At the meeting of the council, a resolution was adopted sanctioning the establishment of a lectureship to be known as the Josiah Willard Gibbs Lectureship, to deal in semi-popular form with some aspect of mathematics or its applications. A committee was appointed to make arrangements for the first lecture, which will probably be given in New York City during the winter of 1923–24.

It was voted that in view of the anticipated meeting of the International Mathematical Congress in Canada in the summer of 1924 the society omit a summer meeting for that year.

At the joint meeting of the society and the association, it was voted to request the secretaries of the two organizations to send a letter to the Physico-Mathematical Society of Japan expressing the sympathy of American mathematicians for their colleagues in Japan under the calamity that has befallen their country through the great earthquake.

The following papers were read at the regular sessions:

Note on five points and a cyclic correspondence: H. S. WHITE.

A generalization of the syllogism: B. A. BERNSTEIN.

Operations with respect to which the elements of a boolean algebra form a group: B. A. BERNSTEIN.

A new type of criteria for the first case of Fermat's last theorem: H. S. VANDIVER.

A method for finding a factor of an integer of the form $8n + 1$: H. S. VANDIVER.

The distribution of primes and the finiteness of the number of discriminants with a given number of classes: G. Y. RAINICH.

A complete system of differential parameters of orders < 3 *of the binary differential cubic:* O. E. GLENN.

Analytic and non-analytic functions in three dimensions: E. R. HEDRICK and LOUIS INGOLD.

A connected and regular point set which contains no arc: R. L. MOORE.

Concerning the sum of a countable infinity of continua in the plane: R. L. MOORE.

A continuum considered as the sum of its prime elements: R. L. MOORE.

The brachistochrone with variable end points: M. E. SINCLAIR.

A new necessary condition for relative extrema in quadratic and hermitian forms: R. G. D. RICHARDSON.

On the summation of trigonometric series by Euler's method: C. N. MOORE.

Concerning a suggested and discarded generalization of the Weierstrass factorization theorem: L. L. DINES.

A theorem on the factorization of polynomials of a certain type: L. L. DINES.

The scientific work of A. M. Liapounoff: DONAT KAZARINOFF.

The quadratic variation of a function: NORBERT WIENER.

Certain orbits with arbitrary masses in the problem of three bodies: F. H. MURRAY.

Applicability with preservation of both curvatures: W. C. GRAUSTEIN.

Isometric W-surfaces: W. C. GRAUSTEIN.

A new kind of representation of curved space: G. Y. RAINICH.

On two circles: NATHAN ALTSHILLER-COURT.

A minimum problem in elementary geometry: F. D. MURNAGHAN.

A generalization of evolutes: J. L. WALSH.

Congruences of circles studied with reference to the surface of centers: J. M. THOMAS.

A theorem in relativity: JOHN EIESLAND.

On a generalization of Kummer's surface in odd n-space: JOHN EIESLAND.

A note on chapter 2 of volume 3 of L. E. Dickson's History of the Theory of Numbers: JOHN MCDONNELL.

Integro-differential invariants of one-parameter groups of Volterra transformations: A. D. MICHAL.

The dynamics of monopoly: G. C. EVANS.

R. G. D. RICHARDSON,
Secretary