

OFFICIAL COMMUNICATIONS

Meetings of the Society have been fixed at the following times and places:

The usual February Meeting in New York City will be omitted.

NEW YORK CITY, March 30-31, 1934.

Abstracts must be in the hands of Associate Secretary J. R. Kline, 501 West 116th St., New York City, not later than March 9. Abstracts received by the Secretaries by that date will appear in the March issue of the BULLETIN. By invitation of the program committee, there will be a symposium on *Algebraic geometry*, under the leadership of Professors A. B. Coble, Solomon Lefschetz, Oscar Zariski, and Virgil Snyder.

CHICAGO, ILLINOIS, April 6-7, 1934.

Abstracts must be in the hands of Associate Secretary M. H. Ingraham, University of Wisconsin, Madison, Wis., not later than March 9. Abstracts received by the Secretaries by that date will appear in the March issue of the BULLETIN. At this meeting, Professor R. E. Langer will give an address on *The asymptotic solutions of linear ordinary differential equations*.

BERKELEY, CALIFORNIA, June 20, 1934.

Abstracts must be in the hands of Associate Secretary T. M. Putnam, University of California, Berkeley, Calif., not later than May 30. Abstracts received by the Secretaries by May 6 will appear in the May issue of the BULLETIN.

WILLIAMSTOWN, MASSACHUSETTS, SUMMER MEETING AND COLLOQUIUM, September 4-7, 1934.

Abstracts must be in the hands of Associate Secretary J. R. Kline, 501 West 116th St., New York City, not later than August 1. Abstracts received by July 6 will appear in the July issue of the BULLETIN. Professor Norbert Wiener will deliver a series of colloquium lectures which were planned by himself and the late Dr. R. E. A. C. Paley on *Topics from harmonic analysis in the complex domain*.

R. G. D. RICHARDSON, *Secretary of the Society*.

Articles for insertion in the BULLETIN should be addressed to E. R. HEDRICK, Editor of the BULLETIN, University of California at Los Angeles. Reviews should be sent to W. R. LONGLEY, Yale University, New Haven, Conn. Notes should be sent to H. W. KUHN, Ohio State University, Columbus, Ohio.

Subscriptions to the BULLETIN, orders for back numbers, and inquiries in regard to non-delivery of current numbers should be addressed to the American Mathematical Society, 450-459 Ahnaip St., Menasha, Wis., or 501 West 116th St., New York.

The initiation fees and the annual dues of members of the Society (see this BULLETIN, p. 322, May, 1930; and the List of Officers and Members, September, 1932, p. 66), are payable to the Treasurer of the Society, Professor G. W. Mullins, 501 West 116th St., New York City.

WHOLE NUMBER 413

CONTENTS

	PAGE
Note on a Problem of Fréchet. By ROTHWELL STEPHENS.	65
On the Summation of Fourier Series. By R. E. A. C. PALEY, W. C. RANDELS, and M. F. ROSSKOPF.....	69
Curvatures in Riemannian Space. By HARRY LEVY.....	75
A Note on a certain Property of a Family of Curves. By ALBERT WERTHEIMER.....	79
Note on Homogeneous Functionals. By L. S. KENNISON..	80
Note on the Orthogonality of Tchebycheff Polynomials on Confocal Ellipses. By J. L. WALSH.....	84
Derivatives, Difference Quotients, and Taylor's Formula. By HASSLER WHITNEY.....	89
Linear Associative Algebras of Infinite Order whose Elements satisfy Finite Algebraic Equations. By H. H. CONWELL.....	95
The Apparent Contour of the General V_3^n in S_4 . By A. R. WILLIAMS.....	103
On Power Characters in Cyclotomic Fields. By H. S. VANDIVER.....	111
Fermat's Last Theorem and the Second Factor in the Cyclotomic Class Number. By H. S. VANDIVER.....	118
Independent Postulates for the "Informal" Part of Principia Mathematica. By E. V. HUNTINGTON.....	127
Independent Postulates for an "Informal Principia System with Equality." By E. V. HUNTINGTON.....	137
A Cyclic Involution of Order Seven. By W. R. HUTCHERSON.....	143
Note on Relations connecting certain Cases of Convergence in the Mean. By DUNHAM JACKSON.....	152
Concerning Maximal Sets. By G. T. WHYBURN.....	159
Integral Domains of Rational Generalized Quaternion Algebras. By A. A. ALBERT.....	164

For Official Communications and Notices, see the inside of the back cover.