

OFFICIAL COMMUNICATIONS

MEETINGS OF THE SOCIETY

NEW YORK CITY, October 28, 1944.

Abstracts must be in the hands of Associate Secretary T. R. Hollcroft, 531 West 116th St., New York, 27, N. Y., not later than September 30. By invitation of the Program Committee there will be an address by Professor Gordon Pall entitled *The arithmetical invariants of quadratic forms*.

ANNUAL MEETING: CHICAGO, ILLINOIS, November 24–25, 1944.

Abstracts must be in the hands of Associate Secretary T. R. Hollcroft, 531 West 116th St., New York, 27, N. Y., not later than October 20. Abstracts received by October 1 will appear in the November issue of this BULLETIN. Professor John von Neumann will deliver the Annual Gibbs Lecture on *The ergodic theorem and statistical mechanics*. By invitation of the Program Committee there will be an address by Professor Will Feller entitled *Limit theorems in the theory of probability*.

LOS ANGELES, CALIFORNIA, November 25, 1944.

Abstracts must be in the hands of Associate Secretary A. D. Michal, California Institute of Technology, Pasadena, 4, Calif., not later than October 28. Abstracts received by October 1 will appear in the November issue of this BULLETIN. By invitation of the Program Committee there will be an address by Professor Gabor Szegő entitled *On the capacity of a condenser*, and an address by Dr. František Wolf entitled *Summability and uniqueness of trigonometric integrals*.

NEW YORK CITY, February 24, 1945.

NEW YORK CITY, April 27–28, 1945.

CHICAGO, ILLINOIS, April 27–28, 1945.

STANFORD UNIVERSITY, CALIFORNIA, April 28, 1945.

J. R. KLINE, *Secretary of the Society*

Articles for insertion in the BULLETIN should be typewritten, double spaced, and the author should keep a complete copy. Papers in algebra and theory of numbers should be sent to SAUNDERS MACLANE, 474 Widener, Harvard University, Cambridge, 38, Mass.; in analysis to R. E. LANGER, North Hall, University of Wisconsin, Madison, 6, Wis.; in other fields to P. A. SMITH, Columbia University, New York, 27, N. Y. Reviews should be sent to VIRGIL SNYDER, 214 University Ave., Ithaca, N. Y., and items for Notes to BULLETIN OF THE AMERICAN MATHEMATICAL SOCIETY, 531 West 116th St., New York, 27, N. Y. All other communications to the editors should be addressed to the Managing Editor, TOMLINSON FORT, Lehigh University, Bethlehem, Pa.

The initial fees and annual dues of members of the Society (see this BULLETIN, May, 1930, p. 322; and September, 1942, Part 2, pp. 89–90) are payable to the Treasurer of the Society, B. P. GILL, 531 West 116th St., New York, 27, N. Y.

CONTENTS

Vol. 50, No. 9 SEPTEMBER, 1944 Whole No. 540

	Page
Integral Theorems in Three-Dimensional Potential Flow. By R. v. MISES.....	599
David Hilbert and His Mathematical Work. By HERMANN WEYL.....	612
Book Review.....	655
Notes.....	658
Abstracts of Papers	
Algebra and Theory of Numbers.....	664
Analysis.....	666
Applied Mathematics.....	672
Geometry.....	674
Statistics and Probability.....	678
Topology.....	679
New Publications.....	682

GEORGE BANTA PUBLISHING COMPANY, MENASHA, WISCONSIN