#### OFFICIAL COMMUNICATIONS

### MEETINGS OF THE SOCIETY

CHICAGO, ILLINOIS, September 2-6, 1941.

Abstracts must be in the hands of Associate Secretary W. L. Ayres, University of Michigan, Ann Arbor, Mich., not later than July 29. The Colloquium Lectures on Mathematical relations and structures will be given by Professor Oystein Ore. The Josiah Willard Gibbs Lecture on Statistical genetics and evolution will be given by

Professor Sewall Wright.

This meeting is held in connection with the University of Chicago celebration of its fiftieth anniversary, and the University and the Society have collaborated in a program of special significance for this meeting. There will be a Conference on Algebra, a Conference on the Theory of Integration, and four general lectures under the title Trends in Research. These lectures will be: Abstract spaces, Professor M H. Stone; Analytic number theory, Professor H. A. Rademacher; The calculus of variations, Professor G. A. Bliss; Topology, Professor Solomon Lefschetz. The speakers in the Conference on Algebra will be: Professors Garrett Birkhoff, John von Neumann, N. H. McCoy, Nathan Jacobson, J. F. Ritt, Oscar Zariski, and Dr. O. F. G. Schilling; and in the Conference on the Theory of Integration: Professors Salomon Bochner, G. B. Price, T. H. Hildebrandt, R. L. Jeffery, Norbert Wiener, Garrett Birkhoff, and Nelson Dunford.

NEW YORK CITY, October 25, 1941.

Abstracts must be in the hands of Associate Secretary T. R. Hollcroft, 531 West 116th Street, New York, N. Y., not later than September 26. Abstracts received by August 1 will appear in the September issue of this BULLETIN. By invitation of the Program Committee, Professor I. J. Schoenberg will give an address entitled Some analytical aspects of isometric imbedding.

## Manhattan, Kansas, November 21-22, 1941.

Abstracts must be in the hands of Associate Secretary W. L. Ayres, Purdue University, Lafayette, Ind., not later than October 24. Abstracts received by October 1 will appear in the November issue of this BULLETIN. By invitation of the Program Committee, Professor G. B. Price will give an address.

### PASADENA, CALIFORNIA, November 22, 1941.

Abstracts must be in the hands of Associate Secretary T. M. Putnam, University of California, Berkeley, Calif., not later than October 25. Abstracts received by October 1 will appear in the November issue of this BULLETIN.

Annual Meeting: Bethlehem, Pennsylvania, December 29-31, 1941.

ITHACA, NEW YORK, September, 1942.

Annual Meeting: New York City, December, 1942.

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 A. A. Albert, University of Chicago, Chicago, Ill.; in analysis to L. M. Graves, University of Chicago, Chicago, Ill.; in other fields to P. A. Smith, Barnard College, Columbia University, New York, N. Y. Reviews should be sent to Virgil Snyder, 214 University Ave., Ithaca, N. Y., and items for Notes to H. W. Kuhn, Ohio State University, Columbus, Ohio. All other communications to the editors should be addressed to the Managing Editor, Tomlinson Fort, Lehigh University, Bethlehem, Pa.

The initial fees and the annual dues of members of the Society (see this BULLETIN, May, 1930, p. 322; and May, 1941, pp. 337-338) are payable to the Treasurer of the Society, B. P. Gill, Low Memorial Library, 531 West 116th St., New York, N. Y.

# **CONTENTS**

Vol. 47, No. 6	JUNE, 1941	Whole No.	501 Page
	nents in the theory of cont		405
On biorthogonal matr	cices. By Y. K. Wong		424
On spherical cycles. B	By Samuel Eilenberg		432
	nce geometry with applica M. Blumenthal		435
The finite differences	of polygenic functions. By	R. P. Isaacs	444
On the asymptotic lin	es of a ruled surface. By (	Guido Fubini	448
	sts for the convergence of		452
The double cosets of	a finite group. By J. S. Fi	RAME	458
	tinuity of arc-preserving t d W. T. Puckett, Jr		468
	ries of projective geometry		475
A note on quasi-metr	ic spaces. By G. E. Albe	RT	479
Cesàro summability o	of a class of series. By M.	S. MACPHAIL	483
	the group of homograp		488
On the mapping of qu	uadratic forms. By L. L.	Dines	494
On the representation	is, $N_3(n^2)$ . By C. D. Olds		499
Some more uniformly	convex spaces. By M. M	[. DAY	504
	metrically embedded in eu	-	508
	t of the tangent to an arbi		509
	approximation of two re	•	512
Note on a theorem on	quadratic residues. By K	ai-Lai Chung	514