

OFFICIAL COMMUNICATIONS

MEETINGS OF THE SOCIETY

NEW YORK CITY, February 21–22, 1941.

Abstracts must have been in the hands of Associate Secretary, T. R. Hollcroft, 531 West 116th St., New York, N. Y., not later than January 25, 1941. The meeting will open Friday afternoon with a symposium on applied mathematics. By invitation of the Program Committee, the following addresses will be given: Friday afternoon, *Mathematical statistics in mass production* by Dr. W. A. Shewhart, and *Mathematical problems connected with the bending and buckling of elastic plates* by Professor J. J. Stoker; Saturday afternoon, *Partially ordered linear spaces* by Professor H. F. Bohnenblust.

STANFORD UNIVERSITY, CALIFORNIA, April 5, 1941.

Abstracts must be in the hands of Associate Secretary T. M. Putnam, University of California, Berkeley, Calif., not later than March 8. Abstracts received by February 1 will appear in the March issue of this BULLETIN.

CHICAGO, ILLINOIS, April 11–12, 1941.

Abstracts must be in the hands of Associate Secretary W. L. Ayres, University of Michigan, Ann Arbor, Mich., not later than March 14. Abstracts received by February 1 will appear in the March issue of this BULLETIN. Professor M. R. Hestenes will deliver the symposium address entitled *The problem of Bolza in the calculus of variations*.

WASHINGTON, D. C., May 2–3, 1941.

Abstracts must be in the hands of Associate Secretary T. R. Hollcroft, 531 West 116th St., New York, N. Y., not later than April 3. Abstracts received by April 1 will appear in the May issue of this BULLETIN. By invitation of the Program Committee, two addresses will be given: Professor F. J. Murray, *The analysis of linear transformations*; Professor I. M. Sheffer, *Some applications of certain polynomial classes*. There will also be a symposium on the Rayleigh-Ritz method and its applications.

CHICAGO, ILLINOIS, September 2–6, 1941.

NEW YORK CITY, October 25, 1941.

MANHATTAN, KANSAS, November 21–22, 1941.

PASADENA, CALIFORNIA, November 22, 1941.

ANNUAL MEETING: BETHLEHEM, PENNSYLVANIA, December 30, 1941–January 1, 1942.

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 the List of Officers and Members, September, 1940, pp. 79–80) 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. 2 FEBRUARY, 1941 Whole No. 497

	Page
Rational methods in matrix equations. By M. H. INGRAHAM. .	61
Maximum of certain fundamental Lagrange interpolation polynomials. By M. S. WEBSTER.	71
An invariance theorem for subsets of S^n . By SAMUEL EILENBERG	73
Measurability and modularity in the theory of lattices. By M. F. SMILEY.	76
A Stieltjes integral equation. By F. G. DRESSEL.	79
Fourier coefficients of bounded functions. By BERNARD FRIEDMAN.	84
The generalization of a lemma of M. S. Kakeya. By J. GERONIMUS.	93
Note on certain orthogonal polynomials. By DUNHAM JACKSON	96
Note on an inequality of Steiner. By T. RADÓ and P. REICHELDERFER.	102
An additional criterion for the first case of Fermat's last theorem. By BARKLEY ROSSER.	109
Some new properties of transfinite ordinals. By SEYMOUR SHERMAN.	111
The decomposition theorem for abelian groups. By JOEL BRENNER.	116
On the convex solution of a certain functional equation. By H. P. THIELMAN.	118
An unsymmetric Fubini theorem. By R. H. CAMERON and W. T. MARTIN.	121
Linear forms in function fields. By LEONARD TORNHEIM.	126
A note on a theorem of Radó concerning the $(1, m)$ conformal maps of a multiply-connected region into itself. By M. H. HEINS.	128
Non-cyclic algebras of degree four and exponent two with pure maximal subfields. By ROY DUBISCH.	131
Note on normality in quasi-groups. By D. C. MURDOCH.	134
On the first case of Fermat's last theorem. By D. H. and EMMA LEHMER.	139
Proof of a theorem of Hall. By HARRY GOHEEN.	143
On regular families of curves. By HASSLER WHITNEY.	145
Translated functions and statistical independence. By R. P. AGNEW and M. KAC.	148
Note on a certain type of Diophantine system. By E. T. BELL	155
Power series the roots of whose partial sums lie in a sector. By LOUIS WEISNER.	160
On a result of Hua for cubic polynomials. By ALVIN SUGAR. . .	164
Divisors of zero in matric rings. By N. H. MCCOY.	166