

OFFICIAL COMMUNICATIONS

MEETINGS OF THE SOCIETY

STANFORD UNIVERSITY, CALIFORNIA, April 5, 1941.

Abstracts must have been in the hands of Associate Secretary T. M. Putnam, University of California, Berkeley, Calif., not later than March 8.

CHICAGO, ILLINOIS, April 11-12, 1941.

Abstracts must have been in the hands of Associate Secretary W. L. Ayres, University of Michigan, Ann Arbor, Mich., not later than March 14. 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 Street, 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 on Saturday afternoon with the following addresses: *Applications of the Rayleigh-Ritz method in the theory of the structure of matter*, by Professor H. M. James; *Engineering applications of the Rayleigh-Ritz method*, by Professor J. P. Den Hartog; *Variational methods for the solution of boundary value problems*, by Professor Richard Courant.

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.

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. 4

APRIL, 1941

Whole No. 499

	Page
Some aspects of the problem of mathematical rigor. By H. B. CURRY.....	221
Space Cremona transformations of order $m+n-1$. By E. J. PURCELL.....	242
Note on autopolar curves. By MALCOLM FOSTER.....	247
On the equation $dy/dx=f(x, y)$. By ANDRÉ GLEYZAL.....	254
Note on interpolation. By G. GRÜNWARD.....	257
On derivatives of orthogonal polynomials. II. By H. L. KRALL.....	261
Note on probability implication. By HANS REICHENBACH....	265
On the analogue for differential equations of the Hilbert-Netto theorem. By RICHARD COHN.....	268
On a convergence theorem for the Lagrange interpolation polynomials. By G. GRÜNWARD.....	271
Discontinuous convex solutions of difference equations. By FRITZ JOHN.....	275
Moment problem for a bounded region. By L. B. HEDGE.....	282
Note on an integral of Bierens de Haan. By T. J. HIGGINS...	286
Elementary proof of a theorem on Lorentz matrices. By E. R. VAN KAMPEN.....	288
Errors in Hayashi's table of Bessel functions for complex arguments. By A. N. LOWAN and GERTRUDE BLANCH.....	291
Recurrence of symbolic elements in dynamics. By RUFUS OLDENBURGER.....	294
Comments on canonical lines. By R. B. RASMUSEN and B. L. HAGEN.....	298
A note on a theorem by Witt. By R. M. THRALL.....	303
Non-involutorial space transformations associated with a $Q_{1,2}$ congruence. By A. B. CUNNINGHAM.....	309
Reflexive Banach spaces not isomorphic to uniformly convex spaces. By M. M. DAY.....	313
Differential and integral invariants of plane curves and horn angles. By J. M. FELD.....	318
On a property of k consecutive integers. By ALFRED BRAUER.	328
A correction to "A remark on the sum and the intersection of two normal ideals in an algebra." By TADASI NAKAYAMA...	332