

OFFICIAL COMMUNICATIONS

MEETINGS OF THE SOCIETY

NEW YORK CITY, February 27, 1943.

Abstracts must be in the hands of Associate Secretary T. R. Hollcroft, 531 West 116th St., New York, N. Y., not later than January 30, 1943. Abstracts received by December 1 appear in the January issue of this BULLETIN. By invitation of the Program Committee there will be an address by Professor Nathan Jacobson entitled *Some topics in the theory of semi-linear transformations*.

Due to the cancellation of the scientific program for the Annual Meeting, the address by Professor Deane Montgomery on *Transformation groups and spheres* will be given at this meeting.

NEW YORK CITY, April 23–24, 1943.

Abstracts must be in the hands of Associate Secretary T. R. Hollcroft, 531 West 116th St., New York, N. Y., not later than March 26. Abstracts received by February 1 will appear in the March issue of this BULLETIN. By invitation of the Program Committee there will be addresses by Professor R. H. Cameron on Spectral theory and Professor Nelson Dunford on Absolutely convergent trigonometric sums.

CHICAGO, ILLINOIS, April 23–24, 1943.

Abstracts must be in the hands of Associate Secretary W. L. Ayres, Purdue University, Lafayette, Ind., not later than March 26. Abstracts received by February 1 will appear in the March issue of this BULLETIN. By invitation of the Program Committee Professor Emil Artin will give an address entitled *The axiomatic treatment of number theory and class field theory*.

STANFORD UNIVERSITY, CALIFORNIA, April 24, 1943.

Abstracts must be in the hands of Associate Secretary A. D. Michal, California Institute of Technology, Pasadena, Calif., not later than March 27. Abstracts received by February 1 will appear in the March issue of this BULLETIN. By invitation of the Program Committee, Professor A. E. Taylor will deliver an address entitled *Analysis in complex Banach spaces*. There will be a symposium on applied mathematics.

CORVALLIS, OREGON, June 16–17, 1943.

NEW BRUNSWICK, NEW JERSEY, September, 1943.

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, Mass.; in analysis to L. M. GRAVES, University of Chicago, Chicago, Ill.; in other fields to P. A. SMITH, Columbia University, New York, N. Y. Reviews should be sent to VIRGIL SNYDER, Brown University, Providence, R. I., and items for Notes to BULLETIN OF THE AMERICAN MATHEMATICAL SOCIETY, 531 West 116th St., New York, 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, N. Y.

CONTENTS

Vol. 49, No. 1

JANUARY, 1943

Whole No. 520

| | Page |
|--|------|
| Variational methods for the solution of problems of equilibrium and vibrations. By R. COURANT..... | 1 |
| The October Meeting in New York. By T. R. HOLLCROFT.... | 24 |
| Book Reviews..... | 29 |
| Notes..... | 33 |
| Abstracts of Papers | |
| Algebra and Theory of Numbers..... | 37 |
| Analysis..... | 41 |
| Applied Mathematics..... | 51 |
| Geometry..... | 54 |
| Numerical Computation..... | 58 |
| Statistics and Probability..... | 58 |
| Topology..... | 59 |