

OFFICIAL COMMUNICATIONS

Meetings of the Society have been fixed at the following times and places:

NEW YORK CITY, March 26–27, 1937.

Abstracts must be in the hands of Associate Secretary T. R. Hollcroft, 531 West 116th St., New York, N. Y., not later than March 5; they will appear in the March issue of this Bulletin. By invitation of the Program Committee, Professors Hille, Tamarkin, Widder, Bochner, and Bohnenblust will participate in a symposium on *Laplace integrals*. An informal conference on *Algebraic geometry* will be held in New York on March 25; those interested should write to Professor O. Zariski, The Johns Hopkins University, Baltimore, Md.

STANFORD, CALIFORNIA, April 3, 1937.

Abstracts must be in the hands of Associate Secretary T. M. Putnam, California Hall, Berkeley, California, not later than March 6; they will appear in the March issue of this Bulletin.

CHICAGO, ILLINOIS, April 9–10, 1937.

Abstracts must be in the hands of Associate Secretary M. H. Ingraham, University of Wisconsin, Madison, Wis., not later than March 6, they will appear in the March issue of this Bulletin. By invitation of the Program Committee, Professor W. T. Reid will deliver an address entitled *Boundary-value problems in the calculus of variations*.

STATE COLLEGE, PENNSYLVANIA, SUMMER MEETING AND COLLOQUIUM, September 7–10, 1937.

Abstracts must be in the hands of Associate Secretary T. R. Hollcroft, 531 West 116th St., New York, N. Y., not later than August 3. Abstracts received by the Secretaries not later than July 9 will appear in the July issue of the Bulletin. Professor John von Neumann will deliver a series of colloquium lectures on *Continuous geometry*. By invitation of the Program Committee, Professor Hassler Whitney will give an address entitled *Topological properties of differentiable manifolds*.

NEW YORK CITY, October 30, 1937.

Abstracts are due by October 2.

R. G. D. RICHARDSON, *Secretary of the Society*.

Articles for insertion in the BULLETIN should be addressed to the Managing Editor, D. R. CURTISS, Northwestern University, Evanston, Ill. Reviews should be sent to W. R. LONGLEY, Yale University, New Haven, Conn. Notes should be sent to H. W. KUHN, Ohio State University, Columbus, Ohio.

Subscriptions to the BULLETIN, orders for back numbers, and inquiries in regard to non-delivery of current numbers should be addressed to the American Mathematical Society, 450–459 Ahnaip St., Menasha, Wis., or Low Memorial Library, 531 West 116th St., New York, N. Y.

The initiation fees and the annual dues of members of the Society (see this BULLETIN, p. 322, May, 1930; and the List of Officers and Members, September, 1936, p. 67) are payable to the Treasurer of the Society, Professor P. A. Smith, Low Memorial Library, 531 West 116th St., New York, N. Y.

WHOLE NUMBER 450

CONTENTS

| | PAGE |
|--|------|
| The Annual Meeting of the Society. By J. R. KLINE. . . . | 145 |
| Shorter Notices. | 158 |
| Notes. | 159 |
| Abstracts of Papers. | 165 |



For official Communications and Notes, see the inside of the back cover.