

## OFFICIAL COMMUNICATIONS

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

BOULDER, COLORADO, SUMMER MEETING AND COLLOQUIUM,  
August 27-30, 1929.

Abstracts must be in the hands of the Secretary of the Society, Professor R. G. D. Richardson, 501 West 116th St., New York City, not later than July 30. Professor Virgil Snyder will deliver his retiring presidential address, entitled *The problem of the cubic variety in four-way space*; and Professor R. L. Moore will deliver a series of colloquium lectures on *Point-set theory*.

NEW YORK CITY, October 26, 1929.

Abstracts must be in the hands of the Secretary of the Society, Professor R. G. D. Richardson, 501 West 116th St., New York City, not later than October 5.

CALIFORNIA INSTITUTE OF TECHNOLOGY, PASADENA, November 29, 1929.

Abstracts must be in the hands of Associate Secretary B. A. Bernstein, University of California, Berkeley, Calif., not later than November 1. By invitation of the Program Committee, Professor M. W. Haskell will deliver an address on *Autopolar configurations in two and three dimensions*.

ANN ARBOR, MICHIGAN, November 29-30, 1929.

Abstracts must be in the hands of Associate Secretary M. H. Ingraham, University of Wisconsin, Madison, Wisconsin, not later than November 7.

BETHLEHEM, PENNSYLVANIA, ANNUAL MEETING, December 27-28, 1929.

Abstracts must be in the hands of Associate Secretary M. H. Ingraham, R. G. D. Richardson, 501 West 116th St., New York City, not later than November 30. A symposium on the differential equations of applied mathematics will be arranged, and will be announced in detail later.

DES MOINES, IOWA, December 30-31, 1929.

Abstracts must be in the hands of Associate Secretary M. H. Ingraham, University of Wisconsin, Madison, Wisconsin, not later than November 30. There will be the usual joint session with Section A of the American Association for the Advancement of Science and with the Mathematical Association of America. The Josiah Willard Gibbs Lecture will be held on Monday afternoon. More detailed announcements will be made later.

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

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Articles for insertion in the BULLETIN should be addressed to E. R. HEDRICK, Editor of the BULLETIN, University of California at Los Angeles. 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, Menasha, Wis., or 501 West 116th Street, New York.

The initiation fees (\$5.00) and the annual dues (\$6.00) of members of the Society are payable to the Treasurer of the Society, W. B. FITE, 501 West 116th Street, New York.

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