

## OFFICIAL COMMUNICATIONS

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

NEW YORK CITY, February 28, 1931.

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 February 7. In order to be printed in the Bulletin in advance of the meeting, abstracts must be in the hands of the Secretary not later than January 6. By invitation of the program committee, Professor C. R. Adams will deliver an address entitled *Linear  $q$ -difference equations*.

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

NEW YORK CITY, April 3-4, 1931.

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 March 13. There will be a symposium on the theory of groups in which Professors H. F. Blichfeldt, L. P. Eisenhart, W. A. Manning, and others will participate. In order to be printed in the Bulletin in advance of the meeting, the abstracts must be in the hands of the Secretary not later than March 6.

CHICAGO, April 3-4, 1931.

Abstracts must be in the hands of Associate Secretary Mark H. Ingraham, University of Wisconsin, Madison, Wisconsin, not later than March 12. In order to be printed in the Bulletin in advance of the meeting, the abstracts must be in the hands of the Associate Secretary not later than March 6. By invitation of the program committee, Professor G. Y. Rainich will deliver an address entitled *Some recent applications of mathematics to physics*.

THE UNIVERSITY OF CALIFORNIA, BERKELEY, CALIFORNIA,  
April 11, 1931.

Abstracts must be in the hands of Associate Secretary T. M. Putnam, University of California, Berkeley, California, not later than March 21. In order to be printed in the Bulletin in advance of the meeting, the abstracts must be in the hands of the Associate Secretary not later than March 6.

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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, 450-459 Ahnaip St., Menasha, Wis., or 501 West 116th St., New York.

Advertising space is available in the Bulletin at \$16 per page, \$9 per half page, \$5 per quarter page, per issue. Address correspondence regarding advertising to H. L. Rietz, University of Iowa, Iowa City, Iowa.

Changes of address of members should be communicated at once to the Secretary of the Society, R. G. D. Richardson, 501 West 116th St., New York.

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, October, 1930, p. 58), are payable to the Treasurer of the Society, G. W. Mullins, 501 West 116th St., New York.

WHOLE NUMBER 376

CONTENTS

	PAGE
The October Meeting in New York. By ARNOLD DRESDEN . . . . .	1
The November Meeting in Los Angeles. By T. M. PUTNAM . . . . .	3
The Thanksgiving Meeting in Missouri. By M. H. INGRAM . . . . .	6
Shorter Notices . . . . .	8
Notes . . . . .	10
Abstracts of Papers . . . . .	13
New Publications . . . . .	45



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