#### OFFICIAL COMMUNICATIONS

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

#### LEXINGTON, KENTUCKY, November 29-30, 1935.

Abstracts must be in the hands of Associate Secretary M. H. Ingraham, University of Wisconsin, Madison, Wisconsin, not later than November 1. All these will appear in the November issue of this BULLETIN. By invitation of the Program Committee, addresses will be delivered by Professor L. L. Dines on *Convex domains and linear inequalities*, and by Professor C. G. Latimer on *The arithmetic of generalized quaternions*.

## CALIFORNIA INSTITUTE OF TECHNOLOGY, PASADENA, November 30, 1935.

Abstracts must be in the hands of Associate Secretary T. M. Putman, University of California, Berkeley, California, not later than November 2. All these will appear in the November issue of this BULLETIN.

# ST. LOUIS, MISSOURI, ANNUAL MEETING, December 31, 1935–January 3, 1936.

Abstracts must be in the hands of Associate Secretary M. H. Ingraham, University of Wisconsin, Madison, Wisconsin, not later than November 26, 1935. Abstracts received by the secretaries by November 2 will appear in the November issue of this BULLETIN. This meeting will be held in conjunction with meetings of the A.A.A.S. and the Mathematical Association of America. By invitation of the Program Committee, addresses will be delivered by Professor Szegö on Some recent investigations concerning the sections of trigonometric and related series, and by Professor Synge on Tensorial methods in dynamics. On Tuesday afternoon, at a joint session with the Mathematical Association and Section A of the A.A.A.S., Professor Carmichael will deliver his retiring address as Chairman of Section A, on Linear differential equations of infinite order. The twelfth Josiah Willard Gibbs Lecture will be delivered by Professor Vannevar Bush on the topic Mechanical analysis.

#### NEW YORK CITY, February 29, 1936.

Abstracts must be in the hands of Associate Secretary J. R. Kline, Low Memorial Library Building, Columbia University, New York City, not later than February 1, 1936.

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

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 Low Memorial Library, Columbia University, New York City.

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, 1934, p. 66), are payable to the Treasurer of the Society, Professor G. W. Mullins, Low Memorial Library, Columbia University, New York City.

### WHOLE NUMBER 434

## CONTENTS

The Summer Meeting at Ann Arbor. By R. G. D. RICH-	PAGE
ARDSON	
The Topological Congress in Moscow. By A. W. TUCKER.	764
The Scientific Congress in Mexico. By E. V. HUNTINGTON	765
Baker on Geometry. By T. R. HOLLCROFT	768
Shorter Notices	773
Notes	777
Abstracts of Papers	782
New Publications	804

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

GEORGE BANTA PUBLISHING COMPANY, MENASHA, WISCONSIN