

OFFICIAL COMMUNICATIONS

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

LINCOLN, NEBRASKA, November 27, 1926. (Southwestern Section.)

Abstracts must be in the hands of the Secretary of the Section, Professor Louis Ingold, Columbia, Mo., not later than November 6.

PHILADELPHIA, Annual Meeting, December 28-30, 1926.

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 November 30. Professor G. D. Birkhoff will deliver an address as retiring president on the topic: *A mathematical critique of some physical theories*. Professor H. B. Williams will deliver the Gibbs Lecture on the topic: *Mathematics and the biological sciences*.

CHICAGO, December 31, 1926-January 1, 1927.

Abstracts must be in the hands of the Assistant Secretary of the Society, Professor Arnold Dresden, 2114 Vilas St., Madison, Wis., not later than December 3.

NEW YORK CITY, February 26, 1927.

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 5.

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, Los Angeles, Calif. 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.

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 Street, New York.

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

WHOLE NUMBER 344

CONTENTS

	PAGE
The Forty-Ninth Regular Meeting of the San Francisco Section. By B. A. BERNSTEIN.....	417
The Borel Theorem and its Generalizations. By T. H. HILDEBRANDT.....	423
Some Recent Work in the Calculus of Variations. By ARNOLD DRESDEN.....	475
Note on the Mersenne Number $2^{139}-1$. By D. H. LEHMER.....	522
On the Serial Relation in Boolean Algebras. By B. A. BERNSTEIN.....	523
Note on Horospheres. By JAMES PIERPONT.....	525
Some Theorems concerning Measurable Functions. By L. M. GRAVES.....	529
A General Theory of Representation of Finite Operations and Relations. By B. A. BERNSTEIN.....	533
Isolated Singular Points of Harmonic Functions. By G. E. RAYNOR.....	537
A List of Errors in Tables of the Pell Equation. By D. H. LEHMER.....	545
Pringsheim on Complex Variables. By T. H. HILDEBRANDT.....	551
White on Cubic Curves. By C. H. SISAM.....	555
Reymond's History of Science. By FLORIAN CAJORI..	556
The Arithmetic of Nicomachus. By D. E. SMITH....	557
Shorter Notices.....	561
Notes.....	565
New Publications.....	571

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