

BULLETIN
OF THE
AMERICAN
MATHEMATICAL SOCIETY

EDITED BY

EARLE R. HEDRICK

DAVID R. CURTISS

WILLIAM R. LONGLEY

WITH THE ASSISTANCE OF

HAROLD T. DAVIS

HARRY W. KUHN

THEOPHIL H. HILDEBRANDT

DERRICK N. LEHMER

JOHN R. KLINE

HENRY L. RIETZ

VOLUME XLII, NUMBER 12

DECEMBER, 1936

PUBLISHED BY THE SOCIETY
MENASHA, WIS., AND NEW YORK
1936

Whole No. 447

\$9.00 a Year

PUBLISHED MONTHLY

Entered as second class matter April 24, 1926 at the post office at Menasha, Wis., under the act of August 24, 1912. Acceptance for mailing at the special rate of postage provided for in the act of February 28, 1925, embodied in paragraph 4, section 528, P. L. and R., authorized May 9, 1935.

**PERIODICAL PUBLICATIONS
OF THE
AMERICAN MATHEMATICAL SOCIETY**

**BULLETIN OF THE
AMERICAN MATHEMATICAL SOCIETY**

This journal is published monthly. It is the official organ of the Society. One of its functions is to report official acts of the Society and the details of its meetings, with abstracts of all research papers presented. In addition to these official reports, it publishes also short original papers on mathematical topics, and some of the longer officially invited addresses presented before the Society. These papers form the body of the Bulletin. It contains also announcements and notes on matters of current interest, and reviews of advanced mathematical books.

Price per annual volume, \$9.00. Sets of early volumes are available as follows: vols. 1-36 (1894-1930), \$7.00 each; vols. 37 to date, \$9.00 each. Those numbers of vols. 1-11, which were out of print and scarce have now been reprinted, and complete sets can be obtained through the Society's New York office.

**TRANSACTIONS OF THE
AMERICAN MATHEMATICAL SOCIETY**

This Journal is devoted to research in pure and applied mathematics.

Beginning with 1935, two volumes of three numbers each of the Transactions have been published per year. The price per volume is \$6.00, so that the annual subscription price (six issues) is \$12.00. The Transactions appeared as a quarterly from 1900 to 1934, inclusive, with the exception of the year 1922, when two volumes, of four numbers each, were published (vols. 23-24).

Sets of early volumes are available as follows: vols. 1-21 (1900-1920), \$7.00 each; vols. 22-32 (1921-1930), \$8.00 each; vols. 33-36 (1931-1934), \$9.00 each.

Subscriptions and orders for the Bulletin or Transactions should be addressed to the American Mathematical Society, Menasha, Wisconsin, or Low Memorial Library, 531 West 116th St., New York, N. Y.