

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  
CAROLINE E. SEELY

VOLUME XL, NUMBER 7

JULY, 1934

PUBLISHED BY THE SOCIETY  
MENASHA, WIS., AND NEW YORK  
1934

---

Whole No. 418

PUBLISHED MONTHLY

\$9.00 a Year

Entered as second class matter April 24, 1926 at the post office at  
Menasha, Wis., under the act of August 24, 1912.

## AMERICAN MATHEMATICAL SOCIETY

**Mail Address:** 501 West 116th Street, New York, N.Y., for the Secretary, Treasurer, Librarian, and Clerk.

**Office:** Room 413, Physics Building, Columbia University, New York City.

**President:** Professor A. B. Coble, University of Illinois, Urbana, Ill.

**Secretary:** Dean R. G. D. Richardson, Brown University, Providence, R.I.

**Associate Secretaries:** Professor M. H. Ingraham, University of Wisconsin, Madison, Wis.; Professor J. R. Kline, University of Pennsylvania, Philadelphia, Pa.; Dean T. M. Putnam, University of California, Berkeley, Calif.

**Treasurer:** Professor G. W. Mullins, Barnard College in Columbia University, New York City.

**Librarian:** Professor R. C. Archibald, Brown University, Providence, R.I.

**Clerk:** Dr. Caroline E. Seeley, 413 Physics Building, Columbia University, New York City.

**Editor-in-Chief of the Bulletin:** Professor E. R. Hedrick, University of California at Los Angeles, Los Angeles, Calif.

**Managing Editor of the Transactions:** Professor R. D. Carmichael, University of Illinois, Urbana, Ill.

**Chairman, Colloquium Editorial Committee:** Professor Oswald Veblen, The Institute for Advanced Study, Princeton, N.J.

**Managing Editor of the American Journal of Mathematics:** Professor Abraham Cohen, Johns Hopkins University, Baltimore, Md.

**Representatives of the Society in the Division of Physical Sciences of the National Research Council:** Professors A. B. Coble, E. R. Hedrick, and Dean R. G. D. Richardson.

**Representatives on the Council of the American Association for the Advancement of Science:** Professors M. H. Ingraham and C. N. Moore.

**Chairman, Committee on Arrangements for the Semi-Centennial:** Professor T. S. Fiske, Columbia University, New York City.