

The American Mathematical Monthly

OFFICIAL ORGAN OF

The Mathematical Association of America

**Is the Only Journal of Collegiate Grade in
The Mathematical Field in this Country**

This means that its mathematical contributions can be read and understood by those who have not specialized in mathematics beyond the Calculus.

The Historical Papers, which are numerous and of high grade, are based upon original research.

The Questions and Discussions, which are timely and interesting, cover a wide variety of topics.

The Book Reviews embrace the entire field of collegiate and secondary mathematics.

The Curriculum Content in the collegiate field is carefully considered. Good papers in this line have appeared and are now in type awaiting their turn.

The Notes and News cover a wide range of interest and information both in this country and in foreign countries.

The Problems and Solutions hold the attention and activity of a large number of persons who are lovers of mathematics for its own sake.

There are other journals suited to the Secondary field, and there are still others of technical scientific character in the University field: but the MONTHLY is the only journal of Collegiate grade in America suited to the needs of the non-specialist in mathematics.

THE MATHEMATICAL ASSOCIATION OF AMERICA now has over eleven hundred individual members and over seventy-five institutional members. There are already nine sections formed, representing twelve different states. The Association has held so far two national meetings per year, one in September and one in December. The sections, for the most part, hold two meetings each year. All meetings, both national and sectional, are reported in the Official Journal, and many of the papers presented at these meetings are published in full.

The slogan of the Association is to include in its membership every teacher of collegiate mathematics in America and to make such membership worth while. Application blanks for membership may be obtained from the Secretary at Oberlin, Ohio.

Whole No. 267

CONTENTS

	PAGE
The Rôle of the Concept of Infinity in the Work of Lucretius. By Professor C. J. KEYSER - - -	321
On the Invariant Net of Cubics in the Steinerian Transformation. By Professor ARNOLD EMCH - - -	327
Some Theorems of Comparison and Oscillation. By Professor TOMLINSON FORT - - -	330
Note on Infinite Systems of Linear Equations. By Dr. W. L. HART - - -	334
An Undervalued Kirkman Paper. By Professor LOUISE D. CUMMINGS	336
Pierre Laurent Wantzel. By Professor FLORIAN CAJORI -	339
Additive Functions of a Point Set. By Professor R. D. CARMICHAEL - - . - - - -	348
Shorter Notices - - - - -	355
Notes - - - - -	362
New Publications - - - - -	366

Changes of address of members, exchanges, and subscribers should be communicated at once to the Secretary of the American Mathematical Society, 501 West 116th Street, New York.

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, 41 North Queen St., Lancaster, Pa., or 501 West 116th Street, New York.

The initiation fees and annual dues of members of the American Mathematical Society are payable to the Treasurer of the American Mathematical Society, Professor J. H. TANNER, Cornell University, Ithaca, N. Y.

Articles for insertion in the BULLETIN should be addressed to the
BULLETIN OF THE AMERICAN MATHEMATICAL SOCIETY,
501 West 116th Street, New-York, N. Y.

The following dates have been fixed for the meetings of the Society :

A. M.	A. M.
Sat., Feb. 23, 1918, 11:00	Sat., Oct. 26, 1918, 11:00
Sat., Apr. 27, " "	Fri.-Sat., Dec. 27-28, 1918.