BULLETIN OF THE
AMERICAN
MATHEMATICAL SOCIETY

A HISTORICAL AND CRITICAL REVIEW
OF MATHEMATICAL SCIENCE

EDITED BY
EARLE RAYMOND HEDRICK
WALLIE ABRAHAM HURWITZ JOHN WESLEY YOUNG
WITH THE ASSISTANCE OF
ROBERT WILBUR BURGESS DERRICK NORMAN LEHMER
DUNHAM JACKSON TULLIO LEVI-CIVITA
EDWARD KASNER HENRY LEWIS RIETZ

VOLUME XXIX

JANUARY TO DECEMBER, 1923

PUBLISHED BY THE SOCIETY
LANCASTER, PA., AND NEW YORK
1923
ADVERTISEMENTS

THE
AMERICAN MATHEMATICAL MONTHLY
OFFICIAL JOURNAL 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.
Surveys of the contents of recent books and periodicals constitute a valuable
guide to current mathematical literature.
The "Topics for Undergraduate Mathematical Clubs" have excited wide
interest both in this country and in Great Britain.
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.
Sample copy and all information may be obtained from the

SECRETARY OF THE ASSOCIATION
W. D. CAIRNS
OBERLIN, OHIO

SICELOFF - WENTWORTH - SMITH

Analytic Geometry

A full year's course in analytic geometry
is presented clearly, succinctly, and in
the same practical manner that charac-
terizes all the textbooks in the Went-
worth-Smith Series.

In an unusually simple and natural
manner the essential features of the
analytic method are brought within the
limits of a single semester course.

GINN AND COMPANY
Boston New York Chicago London
Atlanta Dallas Columbus San Francisco

Those who advertise in the BULLETIN deserve our attention