

BULLETIN
OF THE
AMERICAN
MATHEMATICAL SOCIETY

A HISTORICAL AND CRITICAL REVIEW
OF MATHEMATICAL SCIENCE

EDITED BY

F. N. COLE VIRGIL SNYDER J. W. YOUNG
ALEXANDER ZIWET D. E. SMITH
T. LEVI-CIVITA R. C. ARCHIBALD

VOLUME XXII., NUMBER 2

NOVEMBER, 1915

PUBLISHED BY THE SOCIETY
LANCASTER, PA., AND NEW YORK
1915

Entered at the Post Office at Lancaster, Pa., as second class matter
PUBLISHED MONTHLY, EXCEPT AUGUST AND SEPTEMBER

Whole No. 242

\$5.00 a year

LATEST TEXTBOOKS

Rietz, Crathorne and Taylor's School Algebra

By H. L. RIETZ, Professor, and A. R. CRATHORNE, Associate in the University of Illinois, and E. H. TAYLOR, Professor in the Eastern Illinois State Normal School. (*American Mathematical Series.*) **First Course.** xiii+271 pp. 12mo. \$1 00. **Second Course.** x+235 pp. 12mo. 75 cents.

The first volume of this two-book course contains ample material for work thru a school year. The study of algebra is taken up as an extension of arithmetic, and the pupil is made to feel that new symbols are introduced not arbitrarily, but because of real advantages in representing numbers. Applications to a great variety of concrete problems are given. The work closes with a simple treatment of quadratic equations.

In the second volume, special attention is directed to the following features: the method of reviewing topics of the first year course, the live character of the problems, the simple treatment of the idea of a function, and the methods used in extending the number concept.

Young and Schwartz's Elementary Geometry

By J. W. YOUNG, Professor of Mathematics in Dartmouth College, and A. J. SCHWARTZ, William McKinley High School, St. Louis. (*American Mathematical Series.*) x+223 pp. 12mo. 85 cents.

The authors of this book believe that it is a pedagogical mistake to begin a course in geometry in the conventional way with formal demonstrations. The first chapter, therefore, gives an informal treatment of the elementary constructions, which is accompanied by a large number of applied problems in geometric drawing. In the course of this discussion the pupil will gradually gain a fair appreciation of the meaning of a geometric proof and much drill in simple demonstrations. Formal statements of proofs do not occur until chapter III.

Townsend's Functions of a Complex Variable

By E. J. TOWNSEND, Professor and Head of the Department of Mathematics in the University of Illinois. (*American Mathematical Series.*) 384 pp. 8vo. \$4.00.

This book is based upon a course of lectures given by the author for a number of years at the University of Illinois. It is intended as an introduction to the subject, suitable for seniors and first year graduate students. It presupposes a knowledge of calculus such as is usually given in the undergraduate course.



Henry Holt and Company

34 W. 33d St.
New York

6 Park St.
Boston

623 S. Wabash Ave.
Chicago