

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 XXIII., NUMBER 9

JUNE, 1917

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

1917

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

Whole No. 259

\$5.00 a year

Latest Successful Text=Books

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. Complete in one volume, unabridged, \$1.25.

EDUCATIONAL ADMINISTRATION AND SUPERVISION :

It shows four well defined aims in the teaching of first year algebra : (1) it should prepare for Plane Geometry, Physics and allied subjects which follow it; (2) Algebra should be taught as an extension of Arithmetic; (3) new difficulties should be presented one at a time; (4) functionality is a fundamental notion and the one about which the work in graphing should center. Through-out, emphasis is placed on the thought side of Algebra. To this end many exercises are translations of English expressions into Algebraic expressions or vice versa.

Young and Schwartz's Plane Geometry

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

H. E. COBB, *Lewis Institute, Chicago, Ill.*: While providing for sufficient drill in demonstrating theorems it seems to have eliminated the extreme formalism which characterizes the usual textbook. The approach to formal proofs thru concrete and informal work is well planned. The use of symmetry as a method of proof will no doubt enable pupils to attack demonstrations with greater understanding and ease. The exercises meet to a great extent the present-day demand for practical applications in geometry.

C. A. EWING, *The Tome School, Port Deposit, Md.*: Its reading gave me a very enjoyable evening. I picked it up to glance through it, but became so interested that I did not put it down until I had given it a careful reading. The introductory chapter is a gem. I know of no other text that makes such a logical approach to the subject. Another feature that delighted me was the careful treatment of the idea of motion. The whole text is built on such original lines that the book itself is an answer to the oft-heard question, Why another geometry ?

Finney and Brown's Modern Business Arithmetic

By H. A. FINNEY, of the Walton School of Commerce, Chicago, and J. C. BROWN, Principal of the State Normal School, St. Cloud, Minn. Brief Course. 298 pp. 8vo. 85 cents. Complete Course. 488 pp. 8vo. \$1.10.

CAROLYN RODGERS, *John Wanamaker Commercial Institute, New York City*: I find it a most comprehensive book and have asked that it be put into our school as our text. The authors are to be congratulated on the quality and arrangement of the subject-matter, and the publishers deserve much credit for the excellent style and type of the book.

THE BUSINESS EDUCATOR: School and business experience have been appealed to and combined in the preparation of the materials of the book. Illustrations and problems are concrete and modern. Drawings and Graphs is the title of one chapter, and a most illuminating and practical one it is, too. Commercial teachers will find much valuable material in this book to vitalize recitations.

HENRY HOLT AND COMPANY

19 West 44th Street
NEW YORK

6 Park Street
BOSTON

2451 Prairie Avenue
CHICAGO