

## NEW PUBLICATIONS.

## I. HIGHER MATHEMATICS.

- BORTOLOTTI (E.). Italiani scopritori e promotori di teorie algebriche. Modena, O. Ferraguti, 1919. 8vo. 102 pp.
- BOUMAN (P. J.) en ZELM (J. C. VAN). De rekenkundige denkbaarheden in logischen samenhang, met, als proeve van toegepaste logica, een rekenmethode voor de lagere school. Amsterdam, Versluys, 1918. 8vo. 381 pp. Fl. 2.90
- BOUTROUX (P.). Les principes de l'analyse mathématique. Exposé historique et critique. Tome 2. Paris, Hermann, 1919. 8vo. 512 pp. Fr. 20.00
- BRENDEL (M.). See KLEIN (F.).
- CAJORI (F.). A history of mathematics. Second edition revised and enlarged. New York, Macmillan, 1919. 8vo. 10 + 514 pp. \$4.00
- KLEIN (F.), BRENDEL (M.) und SCHLESINGER (L.). Materialien für eine wissenschaftliche Biographie von Gauss. Heft 6: Die Wechselwirkung zwischen Zahlenrechnen und Zahlentheorie bei C. F. Gauss, von Ph. Maennchen. Leipzig, Teubner, 1918. 8vo. 47 pp. M. 3.00
- LENGAUER (J.). Analytische Geometrie. 2te Auflage. Kempten, Kösel, 1918. 113 pp.
- MAENNCHEN (P.). See KLEIN (F.).
- MANNOURY (G.). Over de sociale betekenis van de wiskundige denkvorm. Groningen, Noordhoff, 1917. 8vo. 23 pp. Fl. 0.60
- OPPERMANN (A.). Premiers éléments d'une théorie du quadrilatère complet. Paris, Gauthier-Villars, 1919. 8vo. 76 pp. Fr. 4.00
- SCHLESINGER (L.). See KLEIN (F.).
- SCHUH (F.). Leerboek der theoretische rekenkunde. Eerste deel. Groningen, Noordhoff, 1919. 8vo. 452 pp. Fl. 8.50
- TEIXEIRA DE MATTOS (J.). Over satellietruimten en eenige toepassingen op satellietopperplakken. (Diss.) Amsterdam, H. G. van Dorsten. 8vo. 8 + 125 pp.
- VOLLENHOVE (D. H. T.). De wijsbegeerte der wiskunde van theistisch standpunt. (Diss.) Amsterdam, Wed. G. van Sost, 1918. 8vo. 15 + 444 pp.
- ZELM (J. C. VAN). See BOUMAN (P. J.).

## II. ELEMENTARY MATHEMATICS.

- INGOLD (L.). See KENYON (A. M.).
- KARPINSKI (L. C.). Four-place logarithmic and trigonometric tables, together with interest tables. Ann Arbor, George Wahr, 1918. 30 pp. Paper. \$0.30

- KENYON (A. M.) and INGOLD (L.). Elements of plane trigonometry, with brief tables. New York, Macmillan, 1919. 12mo. 9 + 117 + 18 + 12 pp. \$1.00
- . Elements of plane trigonometry, with complete tables. New York, Macmillan, 1919. 12mo. 9 + 117 + 18 + 124 pp. \$1.20
- LENNES (N. J.). See SLAUGHT (H. E.).
- LIETZMANN (W.). See SCHUSTER (M.).
- LIETZMANN (W.) und ZÜHLKE (P.). Aufgabensammlung und Leitfaden für Arithmetik, Algebra und Analysis. Ausgabe B für Realanstalten, Oberstufe. Leipzig, Teubner, 1918. 334 pp.
- . Geometrische Aufgabensammlung. Ausgabe A für Gymnasien, Oberstufe. Leipzig, Teubner, 1918. 150 pp.
- LIGHTFOOT (J.). An elementary algebra for junior students. London, Russell, 1919. 3s. 6d.
- . Graphic algebra for elementary and intermediate students. London, Russell, 1919. 1s.
- MYERS (G. W.). See PALMER (C. I.).
- PALMER (C. I.) and TAYLOR (D. P.). Solid geometry. Edited by G. W. Myers. Chicago, Scott, Foresman and Company, 1918. 6 + 178 pp.
- ROBERTSON (J.). Dictionary for international commercial quotations to translate units of value from one currency, weight and measure direct into another. London, Oxford University Press, 1918. 8vo. 12 + 208 pp.
- SCHUSTER (M.). Geometrische Aufgaben, herausgegeben von W. Lietzmann. Leipzig, Teubner, 1918. Ausgabe A (Vollanstalten), 3ter Teil: Stereometrie. 3te Auflage. Ausgabe B (Progymnasien und Realschulen): Planimetrie. 4te Auflage. 103 + 118 pp. Geb. M. 2.60 + 2.20
- SLAUGHT (H. E.) and LENNES (N. J.). Solid geometry with problems and applications. Revised edition. Boston, Allyn and Bacon, 1919. 6 + 211 pp. \$1.00
- TAYLOR (D. P.). See PALMER (C. I.).
- WATSON (B. M.) and WHITE (C. E.). Modern arithmetic. New York, Heath, 1918. Primary, 8 + 252 pp. Intermediate, 10 + 254 pp. For upper grades, 9 + 302 pp.
- WHITE (C. E.). See WATSON (B. M.).
- YOUNG (J. W. A.). The teaching of mathematics in the elementary and secondary school. New Impression. New York, Longmans, 1919. 8vo. 8 + 491 pp. \$1.75
- ZÜHLKE (P.). See LIETZMANN (W.).

### III. APPLIED MATHEMATICS.

- BLANCHARD (A. H.). American highway engineers' handbook. By A. H. Blanchard and seventeen associate editors. New York, Wiley, 1919. 25 + 1658 pp. \$5.00
- BRESTER (A.). A summary of my theory of the sun. The Hague, W. P. Stockum, 1919. 62 pp.

- BUE (A. DEL). *Lezioni di meccanica generale. Parte 2: Dinamica.* Città di Castello, Soc. tip. Leonardo da Vinci, 1919. 8vo. 171 pp.  
L. 5.50
- COMSTOCK (G. C.). *The Sumner line or line of position as an aid to navigation.* New York, Wiley, 1919. 6 + 70 pp. 12mo. \$1.25
- FRENCH (J. W.). See STEINHEIL (A.).
- FULLER (C. E.) and JOHNSTON (W. A.). *Applied mechanics. Volume 2: Strength of materials.* New York, Wiley, 1919. 11 + 556 pp. \$3.75
- GARUFFA (E.). *L'aviazione: aeroplani, idrovolanti, eliche. 2a edizione, interamente rifatta e aumentata. (Manuali Hoepli.)* Milano, Hoepli, 1919. 24mo. 23 + 915 pp. L. 20.00
- . *Turbine a vapore, con un capitolo sulle turbine a gas: teoria, calcolazione, costruzioni. (Manuali Hoepli.)* Milano, Hoepli, 1919. 24mo. 15 + 782 pp. + tavola. L. 22.50
- HARTMANN (O.). *Astronomische Erdkunde. 5te Auflage.* Stuttgart, Grub, 1918. 83 pp.
- JOHNSTON (W. A.). See FULLER (C. E.).
- LORIA (G.). *Metodi de geometria descrittiva. 2a edizione, riveduta e migliorata. (Manuali Hoepli.)* Milano, Hoepli, 1919. 24mo. 20 + 353 pp. L. 6.00
- MACFARLANE (A.). *Lectures on ten British physicists of the nineteenth century. (Mathematical Monographs, No. 20.)* New York, Wiley, 1919. 143 pp. \$1.50
- PERNOT (F. E.). *Electrical phenomena in parallel conductors. Volume 1: Elements of transmission.* New York, Wiley, 1918. 12 + 332 pp. \$4.00
- SMITH (O. S.). *Arithmetic of business.* Chicago, Lyons and Carnahan, 1917. 8vo. 6 + 448 pp. \$1.10
- SOUTHALL (J. P. C.). *Mirrors, prisms and lenses.* New York, Macmillan, 1918.
- STEINHEIL (A.) and VOIT (E.). *Applied optics: the computation of optical systems; edited by J. W. French from the "Handbuch der angewandten Optik."* Volume 2. London, Blackie, 1919. 213 pp. 12s. 6d.
- VERHOECKX (P. M.). *De vierdimensionale wereld der relativistische natuurkunde.* Maestricht, typographie de Leiter-Nypels, 1918. 4to. 56 pp.
- VOIT (E.). See STEINHEIL (A.).