

NEW PUBLICATIONS.

I. HIGHER MATHEMATICS.

- ANDION (I.). *La cuadratura del círculo y de la elíptica.* La Pay, R. C. Piuto, 1916. 4to.
- BOOLE (G.). *Collected logical works. Volume 2: Laws of thought (1854).* London, Open Court, 1916. 8vo. 16+448 pp. 15s.
- DUNKEL (O.). See GOURSAT (E.).
- GOURSAT (E.). *A course in mathematical analysis. Differential equations, being Part 2 of Volume 2.* Translated by E. R. Hedrick and O. Dunkel. Boston, Ginn, 1917. 8vo. 8+300 pp. \$2.75
- HANCOCK (H.). *Elliptic integrals (Mathematical Monographs, No. 18.)* New York, Wiley, 1917. 8vo. 104 pp. Cloth. \$1.25
- HEDRICK (E. R.). See GOURSAT (E.).
- HUNTINGTON (E. V.). *The continuum and other types of serial order.* 2d edition. Cambridge, Mass., Harvard University Press, 1917. 8vo. 8+82 pp. Cloth. \$1.00
- INDEX du répertoire bibliographique des sciences mathématiques. 3e édition. Amsterdam, Delsman, 1916. 115 pp.
- JOHNSON (G.). *The arithmetical philosophy of Nicomachus of Gerasa.* (Diss., Pennsylvania.) Lancaster, Pa., 1916. 49 pp.
- LEHMER (D. N.). *Elementary course in synthetic projective geometry.* Boston, Ginn, 1917. 12mo. 13+123 pp. \$0.96
- LIGHT (G. H.). *The dependence of the topography of envelopes of systems of extremals on curvature.* (Diss., Yale.) Lancaster, Pa., 1917. 4to. 32 pp.
- MACROBERT (T. M.). *Functions of a complex variable.* London, Macmillan, 1917. 14+295 pp. 12s.
- MARCH (H. W.) and WOLFF (H. C.). *Calculus. (Modern Mathematical Texts, edited by C. S. Slichter.)* New York, McGraw-Hill, 1917. 8vo. 16+360 pp. \$2.00
- MITCHELL (B. E.). *Complex conics and their real representation.* (Diss., Columbia.) Lancaster, Pa., 1917. 8vo. 4+44 pp.
- RICE INSTITUTE. *The book of the opening of the Rice Institute.* Houston, Rice Institute, 1917. 8vo. Vol. 1. Pp. 14+1-264. Vol. 2. Pp. 265-680. Vol. 3. Pp. 681-1100.
- SEDGWICK (W. T.) and TYLER (H. W.). *A short history of science.* New York, Macmillan, 1917. \$2.50
- SLICHTER (C. S.). See MARCH (H. W.).
- SOPRA la insussistenza del numero π . Palermo, Calogero Sciarrino, 1916. 8vo.
- TYLER (H. W.). See SEDGWICK (W. T.).
- WOLFF (H. C.). See MARCH (H. W.).

II. ELEMENTARY MATHEMATICS.

- ANDREWS (P. L.). Test papers in mathematics: designed to cover the last year's work of preparation for the public schools and for the Royal naval college, Osborne; with an introduction by E. F. Johns. Portsmouth, Gieves (John Hogg), 1916. 8vo. 48 pp. 1s. 6d.
- ATWOOD (G. E.). See MYERS (G. W.).
- BOREL (E.) et MONTEL (P.). Algèbre. Classe de 3 A, 2 et 1 A.B, 3 B, 2 C.D, et enseignement secondaire des jeunes filles. Paris, Colin, 1916. Cartonné. Fr. 3.00
- GOFF (R. R.). Drill book in plane geometry. Boston, Riverdale Press, Brookline, 1916. 7+113 pp.
- JOHNS (E. F.). See ANDREWS (P. L.).
- MONTEL (P.). See BOREL (E.).
- MYERS (G. W.) and ATWOOD (G. E.). Elementary algebra. Chicago, Scott, Foresman and Company, 1916. 12+338 pp.
- ROSENBERG (F.). Test questions in junior algebra. London, University Tutorial Press, 1916. 113 pp. With answers. 1s. 6d; without, 1s.

III. APPLIED MATHEMATICS.

- ABETTI (A.). Osservazioni astronomiche fatte all'equatoriale di Arcetri nel 1915, ed appendice di M. Maggini. Firenze, tip. Galletti e Cocci, 1916. 4to. 73 pp. L. 4.00
- ANNUAIRE pour l'an 1917, publié par le Bureau des Longitudes. Avec des notices scientifiques par G. Bigourdan, J. Renaud et M. Hamy. Paris, Gauthier-Villars, 1917. 16mo. 8+662 pp. Fr. 2.00
- BIGOURDAN (G.). See ANNUAIRE.
- CANTONE (M.). Corso di fisica sperimentale. Vol. 3, parte 4 e 5 (Acustica ed ottica). Napoli, G. Maio (B. De Rubertis), 1916. 8vo. 8+725 pp. L. 13.00
- CLEMENTS (G. R.). Problems in the mathematical theory of investment. Boston, Ginn, 1917. 12mo. 24pp. Cloth. \$0.32
- DAVENPORT (C. B.). Statistical methods with special reference to biological variation. 3d edition revised. New York, Wiley, 1914. 8+225 pp. \$1.50
- DEL RE (A.). Sopra una formula del Betti relativa alla propagazione del calore, e sopra gli ellissoidi principali e di conducibilità del Boussinesq e del Lamé; formule fondamentali per trasformare, con omografie estensive, formazioni d'ordine qualunque. Napoli, tip. B. De Rubertis, 1916. 8vo. 12 pp.
- DINARO (S.). Il capo meccanico. Nuovo trattato teorico pratico descrittivo di meccanica industriale. Milano, Hoepli, 1916. 8vo. 12+761 pp. L. 6.50
- EREDIA (F.). Aviazione e meteorologia: prolusione tenuta al Collegio Romano il 1° settembre 1916 per l'inaugurazione della scuola civile d'aeronautica. Roma, tip. E. Armani, 1916. 8vo. 14 pp.
- FLEMING (J. A.). The principles of electric wave telegraphy and telephony. 3d edition. London, Longmans, 1916. 16+911 pp. 30s.

- GEPHART (W. F.). Principles of insurance. Vol. 1: "Life"; vol. 2: "Fire." New York, Macmillan, 1917. \$1.50+1.50
- GIORLI (E.). Il meccanico. 7a edizione. Milano, Hoepli, 1915. 16+536 pp. L. 4.50
- GLOVER (J. W.). United States life tables. Washington, Government Printing Office, 1916. 4to. 65 pp. Cloth. \$0.75
- GOFFI (C.). L'apprendista meccanico. Nozioni elementari di disegno geometrico e meccanico, di meccanica, caldaie e di macchine a vapore, etc. Milano, Hoepli, 1914. 16+315 pp. M. 3.00
- HAMY (M.). See ANNUAIRE.
- HEDRICK (E. R.). See SMITH (C. M.).
- JOUGUET (E.). Mécanique des explosifs. Paris, Doin, 1917. 12mo. 20+520 pp. Cartonné. Fr. 6.00
- MAGGINI (M.). See ABETTI (A.).
- NAUTICAL almanac and astronomical ephemeris for the year 1919 for the meridian of the royal observatory at Greenwich, published by order of the Lords commissioners of the Admiralty. Edinburgh, Neill, 1916. 8vo.
- RANELLETTI (C.). Applicazioni di geometria descrittiva. Milano, Hoepli, 1914. 12+201 pp. L. 2.00
- RENAUD (J.). See ANNUAIRE.
- SILVANI (J. B.). Comment on peut expliquer tous les phénomènes observés dans le ciel et sur la terre. Nice, Mathieu, 1916. 8vo.
- SMITH (C. M.). Electric and magnetic measurements. Edited by E. R. Hedrick. New York, Macmillan, 1917. 12mo. 12+373 pp. \$2.40
- STARS at a glance. A handy sky guide on naval lines. London, G. Philip and Son, 1916. 48 pp. 1s.
- VENEZIA, Ufficio idrografico del R. Magistrato alle acque. Norme ed istruzioni per il servizio meteorologico et catalogo alfabetico della biblioteca, dalla lettera A alla lettera C compresa. Venezia, C. Ferrari, 1916. 1 fasc. 8vo. ed 1 fasc. 27 × 37 cm.
- WASHINGTON, Hydrographic office, U. S. Navy. Line of position tables for working sight of heavenly body for line of position by the cosine-haversine formula, Marcq Saint Hilaire method. Published by the Hydrographic office under the authority of the Secretary of the Navy (H. O. No. 171). Washington, 1916. 8vo. 183 pp. \$0.45