

DR. J. E. McATEE, of the University of Illinois, died December 2, 1918.

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## NEW PUBLICATIONS.

### I. HIGHER MATHEMATICS.

- BELL (R. J. T.). See FROST (P.).
- BENEDICT (H. Y.). See KARPINSKI (L. C.).
- CALHOUN (J. W.). See KARPINSKI (L. C.).
- COTES (R.). See KOWALEWSKI (A.).
- CULLIS (C. E.). *Matrices and determinoids. Volume 2.* Cambridge University Press, 1918. 24+555 pp. 42 s.
- DONADT (A.). See LÜBSEN (H. B.).
- FISCHER (L. A.). See HUNTINGTON (E. V.).
- FROST (P.). *An elementary treatise on curve tracing.* 4th edition, by R. J. T. Bell. London, Macmillan, 1918. 16+210 pp. 12s. 6d.
- GAUSS (C. F.). See KOWALEWSKI (A.).
- GIGNANO (E.). *Essays in scientific synthesis.* Translated by W. J. Greenstreet. Chicago, Open Court, 1918. 235 pp. \$2.00
- GREENSTREET (W. J.). See GIGNANO (E.).
- JACOBI (C. G. J.). See KOWALEWSKI (A.).
- KARPINSKI (L. C.), BENEDICT (H. Y.) and CALHOUN (J. W.). *Unified mathematics.* Boston, Heath, 1918. 8 + 522 pp. \$2.80
- KOWALEWSKI (A.). *Newton, Cotes, Gauss, Jacobi. Vier grundlegende Abhandlungen über Interpolation und genäherte Quadratur.* Herausgegeben von A. Kowalewski. Leipzig, Veit, 1917. Geh. 104 pp. M. 4.80
- LÜBSEN (H. B.). *Einleitung in die Infinitesimalrechnung (Differential- und Integralrechnung) zum Selbstunterricht.* Mit Rücksicht auf das Notwendigste und Wichtigste. Neu bearbeitet von A. Donadt. 9te Auflage. Leipzig, F. Brandstetter, 1916. 8vo. 7+440 pp. M. 8.00
- NEWTON (I.). See KOWALEWSKI (A.).
- PIRA (K.). *Om idesystem och talsystem (Smärre Skrifter utg. af Boströmsförbundet, 38-40).* Del 1-3. Stockholm, A. B. A. Johansen, 1913-14. 8vo. 126 + 108 + 184 pp. Kr.1.50+1.25+2.00
- RANSOM (W. R.). *Freshman mathematics brief, simple, practical for the Freshman college classes.* New York, Longmans, 1918. 320 pp. \$1.50
- TOLEDO (L. O. de). *Elementos de aritmética universal. Tomo 2: Coordinatoria, determinantes, algoritmos ilimitados.* Madrid, Librería de la Vda é Hijos de Murillo, 1916. 8vo. 421 pp. Pes. 14.00

- VOIGT (A.). Die Teilbarkeit der Potenzsummen und die Lösung des Fermat'schen Problems. Eine zahlentheoretische Untersuchung. Frankfurt a.M., M. Diesterweg, 1916. 8vo. 12+105 pp. M. 2.00

### II. ELEMENTARY MATHEMATICS.

- ALZÁA (F. de). Nociones de geometría plana. Buenos Aires, A. Garcia Santos, 1917.
- GOMEZ RUIZ (A.). Tratado de trigonometria plana, circular y hiperbolica. (Memorias de la Real Academia de Ciencias, Madrid.) Madrid, De Fortanet, 1917. 4to. 318 pp.
- KING (W. J.). A condensed geometry review with answers. Annapolis, Md., C. G. Feldmeyer, 1918. 8vo. 35 pp.
- MÜLLER (H.). Die Mathematik auf den Gymnasien und Realschulen. Ausgabe A: Für Gymnasien. 2ter Teil: Die Oberstufe. 4te, umgearbeitete Auflage. Leipzig, Teubner, 1917. 14+360 pp.
- TOLEDO (L. O. de). Tratado de álgebra. Tomo 1: Parte elemental. Seg. edition. Madrid, Libreria General de Victoriano Suárez, 1914. 8vo. 11+362 pp. Pes. 10.00
- Tratado de trigonometria rectilínea y esférica. Seg. edition. Madrid, Libreria General de Victoriano Suárez, 1914. 8vo. 285 pp. Pes. 8.00

### III. APPLIED MATHEMATICS.

- ARRHENIUS (S.). The destinies of the stars, by S. Arrhenius. Authorized translation from the Swedish by J. E. Fries. New York, Putnam, 1918. \$1.50
- ATTWOOD (E. L.). Textbook of theoretical naval architecture. 9th impression. New York, Longmans, 1918. 8vo. 12+494 pp. \$3.50
- BECQ (A.). Applications industrielles de l'électricité. Transmission, distribution, et utilisation de l'énergie électrique. Paris, Librairie de l'Ecole spéciale des Travaux publics, 1917. 8vo. 231 pp. Fr. 12.00
- DEVILLERS (R.). Le moteur à explosions. Préface de C. Faroux. Paris, Dunod et Pinat, 1917. 8vo. 8+422 pp. Fr. 8.25
- DONNER (A.). See FESTSKRIFT.
- DORGEOT (E.). La mécanique appliquée, théorique, numérique et graphique. Paris, Dunod et Pinat, 1918. 4to. 613 pp. Fr. 39.00
- FAROUX (C.). See DEVILLERS (R.).
- FESTSKRIFT tillegnad Anders Donner på hans sextioårsdag den 5 nov. 1914 af forne elever. Helsingfors, J. Simellii Arfvingars Boktryckeria-Ktiebolog, 1915. 4to. 410 pp.
- FRIES (J. E.). See ARRHENIUS (S.).
- FÜRST (A.) UND MOSZKOWSKI (A.). Das Buch der 1000 Wunder. München, A. Lange, 1917. Geh. M. 6.00
- HOLMS (A. C.). Practical shipbuilding. A treatise on the structural design and building of modern steam vessels. Volume 1: Text. Volume 2: Diagrams and illustrations. 6th impression. New York, Longmans, 1918. \$20.00
- HUNTINGTON (E. V.). Handbook of mathematics for engineers by E. V. Huntington with tables of weights and measures by L. A. Fischer. New York, McGraw-Hill, 1918. 8vo. 191 pp. \$1.50

- HUTCHINSON (R. W.). Advanced textbook of magnetism and electricity. London, University Tutorial Press, 1917.
- KAYE (G. W. C.). Tables of physical and chemical constants and some mathematical functions. 3d edition. New York, Longmans, 1918. 8vo. 8+153 pp. \$2.25
- X-rays. London, Longmans, 1917.
- KAUFMANN (A.). Theorie und Methoden der Statistik. Ein Lehr- und Lesebuch für Studierende und Praktiker. Tübingen, Mohr, 1913. 8vo. 12+540 pp.
- LOW (D. A.). A pocketbook for mechanical engineers. 7th impression. New York, Longmans, 1918. 8vo. 8+740 pp. \$3.00
- MAUNDER (E. W.). The stars and how to identify them. London, Kelly, 1918. 63 pp.
- MOZSKOWSKI (A.). See FÜRST (A.).
- PLUMMER (H. C.). An introductory treatise on dynamical astronomy. Cambridge, University Press, 1918. Royal 8vo. 18s.
- SCHOUTEN (W. J. A.). On the determination of the principal laws of statistical astronomy. Amsterdam, W. Kirchner, 1918. 128 pp.
- SMITH (H. E.). Mechanics; prepared for the use of midshipmen and adopted as the textbook at the Naval Academy. Annapolis, U. S. Naval Institute, 1918. 8vo. 11+269 pp. \$3.60
- STEINMETZ (C. P.). Engineering mathematics; a series of lectures delivered at Union College. 3d edition, revised and enlarged. New York, McGraw-Hill, 1917. 8vo. 19+321 pp. \$3.00
- STORMER (C.). Sur un problème relatif au mouvement des corpuscules électriques dans l'espace cosmique. (Utgitt for Fridtjof Nansens Fond.) Kristiania, J. Dybwad, 1916. 8vo. 60+91 pp.
- SVENSEN (C. L.). Essentials of drafting; text and problem book for apprentice, trade and evening technical schools. New York, Van Nostrand, 1918. 8vo. 7-14+184+31 pp. \$1.50