

ruler and compass.—By Professor C. J. KEYSER: Analytical geometry of three dimensions; History and significance of central mathematical ideas and doctrines.—By Professor H. W. TYLER: History of mathematical science.—By Professor T. M. PUTNAM: Three famous problems of geometry; Theory of functions of a complex variable.

DR. E. S. ALLEN, of Brown University, has been appointed instructor in mathematics at the University of Michigan.

PROFESSOR J. J. HARDY, who had held the chair of mathematics and astronomy at Lafayette College since 1876, died May 2, 1915, at the age of seventy-one years.

NEW PUBLICATIONS.

I. HIGHER MATHEMATICS.

- CAJORI (F.). History of mathematics. 2d reprint. New York, Macmillan, 1913. 8vo. 422 pp. \$3.50
- CAMPBELL (D. F.). A short course on differential equations. 5th reprint. New York, Macmillan, 1913. 12mo. 123 pp. \$0.90
- . Elements of the differential and integral calculus. 4th reprint. New York, Macmillan, 1913. 12mo. 362 pp. \$1.90.
- CARVALLO (E.). Le calcul des probabilités et ses applications. Paris, Gauthier-Villars, 1912. 8vo. 9+169 pp.
- CREMONA (L.). Opere matematiche. Tomo II. Milano, Hoepli, 1915. 4to. 459 pp. L. 25.00
- ENCYKLOPÄDIE der mathematischen Wissenschaften. Band II 2, Heft 4: E. Hill, Lineare Differentialgleichungen im komplexen Gebiet. Leipzig, Teubner, 1915. Gr. 8vo. Pp. 471-562. M. 2.80
- FINE (H. B.) and THOMPSON (H. D.). Coördinate geometry. 5th reprint. New York, Macmillan, 1914. 12mo. 300 pp. Half leather. \$1.60
- HAEUSSLER (J. W.). Geometrischer und algebraischer Beweis des Fermatschen Satzes durch Ausziehen der n -ten Wurzel und durch Ableitung des Satzes als ganzzahlige Ungleichung. Berlin, M. Krayn, 1912. 8vo. 48 pp.
- HILL (E.). See ENCYKLOPÄDIE.
- LA MARCA (R.). Criteri di congruenza e criteri di divisibilità. Esercizi vari. Torre del Greco, Pantaleo, 1912. 8vo. 30 pp.
- LASKA (W.). Einleitung in die geometrische Funktionentheorie. 2te Auflage. Bremerhaven, 1915. Gr. 8vo. 6+87 pp. M. 2.00
- NEKRASSOW (P. A.). Theory of probabilities. 2d edition, with the addition of the statistical theory of correlation and the elements of nomography. (In Russian.) St. Petersburg, 1912. 8vo. 36+532 pp.
- RIGGS (N. C.). Analytic geometry. 8th reprint. New York, Macmillan, 1914. 12mo. \$1.60
- THOMPSON (H. D.). See FINE (H. B.).