

PROFESSOR M. W. HASKELL, of the University of California, has received leave of absence and will spend the coming year abroad.

NEW PUBLICATIONS.

I. HIGHER MATHEMATICS.

- ALEKSEIEF (V. G.). Theory of the rational invariants of binary forms according to Sophus Lie, Cayley, and Aronhold. Dorpat, 1899. 8vo. 8+232 pp. (Russian.)
- . Theory of rectilinear congruences in connection with the theory of surfaces, according to Prof. Darboux's lectures. Moscow, 1899. 8vo. 98 pp. (Russian.)
- ALTMeyer (A.). Ueber Tetraeder mit Höhenschnittpunkt bei einer Fläche zweiter Ordnung. (Diss.) Strassburg, 1901. 8vo. 47 pp.
- BASSET (A. B.). An elementary treatise on cubic and quartic curves. London and New York, Macmillan, 1901. 8vo. 16+255 pp. Cloth. (Cambridge University Press.) 10s. 6d.
- BLACK (C. W. M.). The parametric representation of the neighborhood of a singular point of an analytic surface. (Diss., Harvard University.) 8vo. 1902. (*Proceedings of the American Academy of Arts and Sciences* 37, pp. 281-330.)
- DUPORCQ (E.). Procès-verbaux sommaires du deuxième congrès international des mathématiciens, tenu à Paris du 6 au 12 août 1900. Paris, Imprimerie nationale, 1901. 8vo. 17 pp. (Exposition universelle internationale de 1900; ministère du commerce.)
- EGOROF (D. F.). Partial differential equations of the second order with two independent variables; general theory of the integrals; characteristics. Moscow, 1898. 8vo. 392 pp. (Russian.)
- EMCH (A.). Cyclographic transformation of ordinary space. 8vo. 1901. (*The University of Colorado Studies* 1, pp. 33-43.)
- . On the congruences of twisted curves. 8vo. 1900. (*The University of Colorado Studies* 1, pp. 29-32.)
- ERMAKOF (V. P.). Differential calculus. Lectures delivered at the Kief Polytechnic Institute. Part I: Differentiation of functions; Part II: Investigation of functions; Part III: Applications to geometry. Kief, 1899. 8vo. 52+100 pp. (Russian.)
- FUNK (R.). Die Konfiguration (16₆, 20₃), ihre analytische Darstellung und ihre Beziehungen zu gewissen algebraischen Flächen. (Diss.) Strassburg, 1901. 8vo. 32 pp.
- GAUSS (K. F.). General investigations of curved surfaces, of 1827 and 1825. Translated, with notes and a bibliography, by J. C. Morehead and A. M. Hildebeitel. Princeton, The University Library, 1902. 4to. 8+127 pp. Cloth. \$1.75