

memorial to the late Mr. R. W. H. T. HUDSON; it will probably take the form of an annual prize in geometry. Contributions to the fund may be sent to Mr. Alexander Muir, the University, Liverpool.

THE vacant position at the head of the department of mathematics in the College of the City of New York has been filled by the promotion of assistant professor J. R. SIM. Dr. P. L. SAUREL has been promoted to an assistant professorship of mathematics.

PROFESSOR JAMES W. MASON, who retired in 1903 after nearly twenty-five years service as professor of mathematics in the College of the City of New York, died at Easton, Pa., on January 10, at the age of sixty-nine years. Professor Mason was one of the earliest members of the AMERICAN MATHEMATICAL SOCIETY, having been admitted in May, 1890.

NEW PUBLICATIONS.

I. HIGHER MATHEMATICS.

- ARBICONE (A.). Intorno ad un problema di Leibniz. Memoria. Genova, Istituto Sordomuti, 1904. 8vo. 15 pp.
- BAIRE (R.). Leçons sur les fonctions discontinues, professées au Collège de France. Rédigées par A. Denjoy. Paris, Gauthier-Villars, 1905. 8vo. 8 + 128 pp. Fr. 3.50
- BÖCHER (M.). The fundamental conceptions and methods of mathematics. Address delivered before the Department of Mathematics of the International Congress of Arts and Sciences, St. Louis, Sept. 20, 1904. (*Bulletin of the American Mathematical Society*, Vol. 11, pp. 115-135.)
- BRÖHL (J.). Doppelt unendliche Kurvenscharen, gebildet von Schraubenlinien auf den Flächen der Rotationsflächenschar $x^2 + y^2 = u^2 e^{2z}$. (Diss.) Leipzig, 1904. 8vo. 53 pp. M. 2.00
- BÜRKLEN (O. T.). Formelsammlung und Repetitorium der Mathematik, enthaltend die wichtigsten Formeln und Lehrsätze der Arithmetik, Algebra, algebraischen Analysis, ebenen Geometrie, Stereometrie, ebenen und sphärischen Trigonometrie, mathematischen Geographie, analytischen Geometrie der Ebene und des Raumes, der Differential- und Integralrechnung. 3te, durchgesehene Auflage. Leipzig, Göschen, 1904. 16mo. 227 pp. Cloth. (Sammlung Göschen, No. 51.) M. 0.80
- CIRILLO (C.). Sopra una trasformazione di second'ordine delle funzioni ellittiche. Nota. Chieti, Sciuillo, 1904. 16mo. 18 pp.
- COMPOSTO (S.). Sulla trasformazione dei radicali sovrapposti. Bologna, Cuppini, 1904. 8vo. 55 pp. Fr. 1.50
- CUNNINGHAM (A.). Quadratic partitions. London, Hodgson, 1904. 8vo. Cloth. 12s.