

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.

- DENJOY (A.). See BAIRE (R.).
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- GIBSON (G.). An introduction to the calculus, based on graphical methods. New York, Macmillan, 1904. 8vo. 13 + 225 pp. Cloth. \$0.90
- JOHNSON (W. W.). Elementary treatise on the differential calculus, founded on the method of rates. New York, Wiley, 1904. 8vo. 14 + 406 pp. Cloth. \$3.00
- LAMBERT (P. A.). Answers to problems in the analytic geometry. New York, Macmillan, 1904. 16mo. 10 pp. \$0.30
- . Answers to problems in the differential and integral calculus. New York, Macmillan, 1904. 16mo. \$0.30
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- ROSSO (U.). Sulla generalizzazione dei metodi di rappresentazione in geometria descrittiva. Nota. Genova, Ciminago, 1904. 8vo. 23 pp.
- SCHLÖMILCH (O.). Übungsbuch zum Studium der höheren Analysis. Teil I: Aufgaben aus der Differentialrechnung. 5te Auflage. Bearbeitet von E. Naetsch. Leipzig, Teubner, 1904. 8vo. 8 + 372 pp. Cloth. M. 8.00
- SHAPOSHNIKOV. Elements of higher analysis. 2d edition. Moscow. 1904. 8vo. 141 pp. (Russian.) M. 3.00
- VRIES (H. DE). Die Lehre von der Zentralprojektion im vierdimensionalen Raume. Leipzig, Göschen, 1905. 8vo. 78 pp. M. 3.00

II. ELEMENTARY MATHEMATICS.

- BÖKELER (A.). Stereometrische Aufgaben aus den Reifeprüfungen der Gymnasialabiturienten. Ravensburg, Alber, 1904. 8vo. 3 + 88 pp. M. 1.20
- BOSS (A.). Elementary algebra, translated by N. de George. St. Petersburg, 1904. 8vo. 519 pp. (Russian.) M. 7.50
- BRYAN (G. H.) and DEAKIN (R.). Certificate algebra. London, Clive, 1904. 8vo. 300 pp. Cloth. 2s. 6d.
- BÜTZBERGER (F.). Lehrbuch der ebenen Trigonometrie, mit vielen Aufgaben und Anwendungen, für Gymnasien und technische Mittelschulen. Resultate und Auflösungen. Zürich, Füssli, [1904]. 8vo. 24 pp. M. 1.50
- CARL (L.). Algebraische Aufgaben zur Einführung in die Arithmetik. 2te Auflage. Oldenburg, Stalling, 1905. 8vo. 4 + 48 pp. M. 0.60
- CHAILAN (E.). Algèbre, à l'usage des élèves de l'enseignement secondaire (premier et deuxième cycles, sections A et B). Paris, Poussielgue, 1904. 16mo. 2 + 74 pp.
- DEAKIN (R.). Algebra. King's Scholarship edition. With papers set at Scholarship examination for four years. London, Clive, 1904. 8vo. 336 pp. Cloth. 2s. 6d.

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DURELL (F.). Plane geometry. Harrisburg, Pa., Myers, Fishel and Co., 1904. 16mo. 320 pp. Half-leather. \$0.75

FONT (N.) et HUGON (C.). Algèbre, à l'usage des élèves du premier cycle, des élèves du deuxième cycle (sections A et B, programmes du 31 mai 1902), et des élèves de l'enseignement primaire supérieur. Marseilles, Ferran, 1904. 16mo. 8 + 290 pp.

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HALL (H. S.) and STEVENS (F. H.). School geometry. Part I-VI. Containing plane and solid geometry, treated theoretically and graphically. London, Macmillan, 1904. 8vo. 468 pp. Cloth. 4s. 6d.

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MARKS (C. J.). Mathematical questions and solutions from "Educational Times." London, Hodgson, 1904. New issue. Vol. 6. 8vo. 6s. 6d.

MARTINAUD (A.). Eléments d'arithmétique et de géométrie, à l'usage de l'enseignement secondaire, rédigés conformément aux programmes officiels de 1902. 3e édition. Paris, Belin, 1905. 12mo. 235 pp.

NARDI (P.). Geometria pratica ad uso degli alunni delle scuole tecniche e professionali. Parte II: Stereometria. Livorno, Giusti, 1904. 16mo.

OTT (K. VON). Tafeln der Logarithmen und anderer beim mathematischen Unterrichte unentbehrlichen Zahlenwerte für Mittelschulen. 5te Auflage. Prag, Calve, 1905. 8vo. 22 + 160 pp. Boards. M. 1.80

QUINN (J. J.). A Socratic study of plane geometry. Syracuse, Bardeen, 1904. 12mo. 272 pp. Buckram. \$1.00

ROSENBERG (K.). Methodisch geordnete Sammlung von Aufgaben aus der Planimetrie und Stereometrie für Lehrer- und Lehrerinnen-Bildungsanstalten, sowie für andere gleichgestellte Lehranstalten. 3te Auflage. Wien, Hölder, 1904. 8vo. 4 + 168 pp. Cloth. M. 1.70

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- HARDY (E.). The elementary principles of graphic statics; specially prepared for students of science and technical schools and those entering for the examinations of the Board of Education in building construction, machine construction, drawing, applied mechanics, and for other similar examinations. New York, Van Nostrand, 1904. 12mo. 3 + 165 pp. Cloth. \$1.50
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