MR. ALBERT M. SAWIN has been made instructor in mathematics at Syracuse University.

The deaths are announced of DR. HERRMAN SCHAEFFER, honorary professor of mathematics at the University of Jena, of Professor CHARLES PIAZZI SMITH, the astronomer, and of Mr. LEANDER J. McCORMICK, founder of the observatory bearing his name at the University of Virginia.

Two errors in noticing appointments have occurred in recent numbers of the BULLETIN. Dr. H. LIEBMANN has become privat docent at Leipzig, not Königsberg, and Mr. F. E. ROSS has been appointed instructor at the University of Nevada, not Nebraska.

NEW PUBLICATIONS.

I. HIGHER MATHEMATICS.

CANTOR (M.). Vorlesungen über Geschichte der Mathematik. Vol. 2, zweiter Halbband : 1550–1668. 2te Auflage. Leipzig, Teubner, 1899. 8vo. 12 pp. and pp. 481–943.   M. 12.00

FREDHOLM (I.). Sur une équation aux dérivées partielles du quatrième ordre. (*Öfversigt af Kongl. Vetenskaps-Akademiens Förhandlingar*, Stockholm, 1899.) 8vo. Pp. 935–940.

FUHRMANN (W.). Beiträge zur Transformation algebraisch-trigonometrischer Funktionen. Teil II. Königsberg, 1899. 4to. 30 pp.
M. 1.50

GERLACH (R.). Die Metrik in projektiven Koordinaten. (Diss.) Zürich, 1899. 8vo. 114 pp.

LING (G. H.) and MILLER (G. A.). Proof that there is no simple group whose order lies between 1092 and 2001. (*American Journal of Mathematics*, Vol. 22, pp. 13–26.) 4to.

MILLER (G. A.). Note on Netto's Theory of substitutions. (*Annals of Mathematics*, 2d series, Vol. 1, pp. 71–73.) 4to.

OTTI (H.). Eigenschaften der Besselschen Funktionen zweiter Art. (Diss.) Bern, 1899. 8vo. 55 pp.

ROTHROCK (D. A.). Invariants of the finite continuous groups of the plane. (Diss.) Leipzig, 1899. 8vo. 31 pp.

STENDER (H.). Invariante Flächen und Kurven bei konformen Gruppen des Raumes. (Diss.) Leipzig, 1899. 8vo. 59 pp.

II. ELEMENTARY MATHEMATICS.

ADAM (V.). Taschenbuch der Logarithmen. 28ste Auflage. Wien, 1899. 12mo. 9 + 99 pp. Cloth.   M. 1.00

ANDRE (P.). Nouveau cours de géométrie à l'usage de tous les établissements d'instruction, contenant plus de onze cents problèmes résolus et à résoudre, trois traités complets (levé des plans, arpentage, partage des terres), des notions de nivellement et un grand nombre de questions usuelles. 24e édition. Paris, André, 1900. 18mo. 7 + 497 pp.

——. Algèbre élémentaire (No. 1), théorique et pratique, à l'usage des institutions, des écoles professionnelles et des écoles normales. 20e édition. Paris, André, 1899. 18mo. 216 pp.   Fr. 1.60

BERTRAND (J.). Algebra, translated by M. V. Pirozhinkov. Part I. St. Petersburg, 1899. 8vo. 581 pp. (Russian.)

BURENIN (K.). See MALININ (A.).

BYCHKOV (F.). Collection of problems and examples in elementary algebra. 15th edition, revised. St. Petersburg, 1899. 8vo. 580 pp. (Russian.)   M. 5.00

DUFAILLY (J.). Algèbre. 12e édition. Paris, Delagrave [1899]. 8vo. 286 pp.   Fr. 4.00

GAUSS (F. G.). Fünfstellige vollständige logarithmische und trigonometrische Tafeln. 60ste Auflage. Halle, 1899. 8vo. 166 + 35 pp. Cloth.   M. 2.50

GAZZANIGA (P.). See VERONESE (G.).

GODDARD (E. C.). See LYMAN (E. A.).

LYMAN (E. A.) and GODDARD (E. C.). Plane Trigonometry. Five-place logarithmic and trigonometric tables, adapted from Gauss's Tables. Boston, Allyn and Bacon, 1899. 12mo. 8 + 91 + 66 pp. Cloth.

MALININ (A.) and BURENIN (K.). Text-book of algebra, with a collection of problems, for gymnasia, etc. 10th edition. Moscow, 1900. 8vo. 416 pp. (Russian.)   M. 3.50

NIKULTSEV (P.). Algebra, with a collection of problems. Part I. Theoretical part. 4th edition. Moscow, 1900. 8vo. 377 pp. (Russian.)   M. 5.00

PINCHERLE (S.). Gli elementi dell'aritmetica ad uso delle scuole secondarie inferiori. 9a edizione riveduta e migliorata. Bologna, Zanichelli, 1900. 16mo. 8 + 343 pp.   Fr. 2.00

PIROZHINKOV (M. V.). See BERTRAND (J.).

SAGORSKI (E.). Anleitung zur Aufstellung der Determination geometrischer Konstruktionsaufgaben. Pforta, 1899. 8vo. 74 pp.   M. 1.50

SEIFFERT (A.). Die Herstellung der Raumgebilde als Ausgangspunkt, Entwicklungsprincip und Endziel des geometrischen Unterrichts. Charlottenburg, 1899. 4to. 24 pp.   M. 2.20

SIMON (P.). Guide méthodique de résolution des problèmes de géométrie élémentaire. Paris, 1899. 8vo. Boards.   Fr. 4.00

SKERRY. Practical papers in mensuration. London, 1899. 8vo. 140 pp. Cloth.   2s.

VERONESE (G.) e GAZZANIGA (P.). Elementi di geometria ad uso dei ginnasi e licei. Parte I e Parte II. Verona, Drucker, 1900. 16mo. 18 + 119 and 6 + 240 pp.

VIOLA (F.). La planimetria indipendente dal concetto di misura. Padova, Prosperini, 1899. 8vo. 80 pp.

III. APPLIED MATHEMATICS.

ALASIA (C.). Calcolo grafico ed applicazioni della statica grafica: Città di Castello, Lapi, 1899. 8vo. 97 pp., 7 plates. Fr. 4.00

DESSAU (B.). See FELICI (A. R.).

FELICI (A. R.). Ueber die mathematische Theorie der electrodynamischen Induktion. Uebersetzt von B. Dessau. Herausgegeben von E. Wiedemann. Leipzig, Engelmann, 1900. 12mo. 121 pp. Cloth. (Ostwald's Klassiker der exakten Wissenschaften, No. 109.)
M. 1.80

GROSS (T.). See STURM (C.).

MASCART. Eléments de mécanique, rédigée conformément au programme de l'enseignement scientifique dans les lycées. 7e édition. Paris, Hachette, 1900. 8vo. 200 pp. Fr. 3.00

RAYLEIGH. See STRUTT (J. W.).

STRUTT (J. W.) [Baron Rayleigh]. Scientific papers. Vol. I : 1869–1881. London and New York, Macmillan, 1900. 8vo. 15 + 562 pp. Cloth. (Cambridge University Press series.) $5.00

STURM (C.). Lehrbuch der Mechanik (cours de mécanique). Uebersetzt von T. Gross. Vol. II. Berlin, Calvary, 1900. 8vo. 23 + 403 pp. M. 8.00

WIEDEMANN (E.). See FELICI (A. R.).