

MR. F. L. SMITH has been appointed instructor in mathematics at Princeton University.

THE death is announced of Professor EVA S. MAGLOTT, who had held the chair of mathematics in Ohio Northern University for the past thirty-two years.

PROFESSOR CLEVELAND ABBE, of the U. S. Weather Bureau, died October 28 at the age of seventy-eight years. Professor Abbe was a member of the American Mathematical Society from 1892 to 1914.

PROFESSOR A. G. SMITH, head of the department of mathematics and astronomy in the University of Iowa died November 5 at the age of forty-eight years.

BOOK catalogues:—Galloway and Porter, Cambridge, England, catalogue 82, mathematical and physical books, about 680 entries.—G. E. Stechert and Company, 151 West 125th Street, New York, Sets of mathematical periodicals, 42 entries.

NEW PUBLICATIONS.

I. HIGHER MATHEMATICS.

- ANGELESCO (A.). Sur des polynomes généralisant les polynomes de Legendre et d'Hermite et sur le calcul approché des intégrales multiples. (Thèse.) Paris, Gauthier-Villars, 1916. 4to. 3 + 141 pp.
- BAHIER (E.). Recherche méthodique et propriétés des triangles et rectangles en nombres entiers. Paris, Hermann, 1916. 8vo. 7 + 266 pp. Fr. 8.50
- CAJORI (F.). William Oughtred. Chicago, Open Court, 1916. 8vo. 114 pp. \$1.00
- CARSLAW (H. S.). Elements of non-euclidean plane geometry and trigonometry. London, Longmans, 1916. 8vo. 12 + 179 pp. 5s.
- CHEMIN (O.). See PETERSEN (J.).
- GIRAUD (G.). Sur une classe de groupes discontinus de transformations birationnelles quadratiques et sur les fonctions de trois variables indépendants restant invariables par ces transformations. (Thèse.) Paris, Gauthier-Villars, 1916. 4to. 8 + 169 pp.
- GLOBA-MIKHAILENKO (B.). Sur quelques nouvelles figures d'équilibre d'une masse fluide en rotation. (Thèse.) Paris, Gauthier-Villars, 1916. 4to. 3 + 79 pp.

- HARDY (G. H.). The integration of functions of a single variable. (Cambridge Tracts in Mathematics and Mathematical Physics, No. 2.) 2d edition. 8 + 67 pp. 3s.
- KEYSER (C. J.). The human worth of rigorous thinking. Essays and addresses. New York, Columbia University Press, 1916. 8vo. 6 + 314 pp. Cloth. \$1.75
- MIELI (A.). Storia generale del pensiero scientifico dalle origini a tutto il secolo XVIII. Le scuole Ionica, Pythagorica ed Eleata (I Pre-aristotelici, I). Firenze, Libreria della Voce, 1916. 8vo. 16 + 504 pp. L. 12.00
- PETERSEN (J.). Méthodes et théories pour la résolution des problèmes de constructions géométriques, avec application à plus de 400 problèmes. Traduit par O. Chemin. 5e édition. Paris, Gauthier-Villars, 1916. 8vo. 4 + 111 pp. Fr. 4.50
- ROYAL SOCIETY catalogue of scientific papers. Fourth series (1884-1900). Vol. 15, Fitting-Hyslop. Cambridge, University Press, 1916. Demy 4to. Cloth. 50 s.
- VIVANTI (G.). Elementi della teoria delle equazioni integrali lineari. (Manuali Hoepli.) Milano, Hoepli, 1916. 16 + 398 pp. Cloth. L. 4.50

II. ELEMENTARY MATHEMATICS.

- BRESLICH (E. R.). Second-year mathematics for secondary schools. 2d edition. Chicago, University of Chicago Press, 1916. 12mo. 20 + 348 pp. Cloth. \$1.00
- EVANS (G. W.) and MARSH (J. A.). First year mathematics. New York, Merrill, 1916. 235 pp. \$0.90
- HALE (A. W.). Problems and exercises in algebra and geometry. Boston, Heath, 1916. 8vo. 54 pp. Paper. \$0.36
- HOYT (F. S.) and PEET (H. E.). Everyday arithmetic; two-book course. Boston, Houghton-Mifflin, 1916. \$0.40 + 0.40
- MARSH (J. A.). See EVANS (G. W.).
- MILLIS (J. F.). See STONE (J. C.).
- MILNE (R. M.). Mathematical papers for admission into the Royal military academy and the Royal military college, February-June, 1916. London, Macmillan, 1916. 30 pp. 1s.
- PEET (H. E.). See HOYT (F. S.).
- REMICK (B. L.). See STRATTON (W. T.).
- STONE (J. C.) and MILLIS (J. F.). Solid geometry. Chicago, Sanborn, 1916. Pp. 8 + 277-450. \$0.85
- STRATTON (W. T.) and REMICK (B. L.). Agricultural arithmetic. New York, Macmillan, 1916. 8vo. 10 + 239 pp. \$0.50

III. APPLIED MATHEMATICS.

- ANNUAIRE pour l'an 1916 publié par le Bureau des Longitudes, contenant des notices par G. Bigourdan et E. Picard. Paris, Gauthier-Villars, 1916. 6 + 657 pp. + 3 cartes magnétiques. Cartonné. Fr. 2.00

- BATTELLI (A.) e CARDANI (P.). Trattato di fisica sperimentale ad uso delle università. Volume 3 (Calore). Milano, F. Vallardi, 1916. 8vo. 12 + 423 pp. L. 11.00
- BAZARD (—). Cours de mécanique. Tome 5: Moteurs à combustion interne. Paris, Geisler, 1916. 8vo. 382 pp. Fr. 12.00
- BERG (E. J.). Electrical engineering. Advanced course. New York, McGraw-Hill, 1916. 8 + 332 pp.
- BERGET (A.). See CHAPPUIS (J.).
- BIGOURDAN (G.). See ANNUAIRE.
- BYERLY (W. E.). Introduction to the use of generalized coordinates in mechanics and physics. Boston, Ginn, 1916. 118 pp. \$1.25
- CARDANI (P.). See BATTELLI (A.).
- CHAPPUIS (J.) et BERGET (A.). Cours de physique, à l'usage des candidats aux écoles du gouvernement, conforme aux derniers programmes. 2e édition, entièrement refondue par J. Chappuis et M. Lamotte. Paris, Gauthier-Villars, 1916. 4 + 702 pp. Relié. Fr. 19.00
- FLAMARD (E.). Etude sur les méthodes nouvelles de la statique des constructions. Paris, Gauthier-Villars, 1914. 6 + 114 pp. Fr. 5.00
- LAMOTTE (M.). See CHAPPUIS (J.).
- LÉMERAY (E. M.). Le principe de relativité. Cours libre professé à la faculté des sciences de Marseille pendant le premier trimestre 1915. (Bibliothèque des actualités scientifiques.) Paris, Gauthier-Villars, 1916. 16mo. 4 + 156 pp. Fr. 3.75
- MAUNDER (E. W.). The stars as guides for night marching in north latitude 50°. London, C. H. Kelly, 1916. 2s.
- PICARD (E.). See ANNUAIRE.
- ROUBAUDI (C.). Traité de géométrie descriptive, à l'usage des élèves des classes de mathématiques spéciales et des candidats à l'École polytechnique. Paris, Masson, 1916. Gr. 8vo. 6 + 552 pp. Fr. 15.00
- SKINNER (E. B.). Tables reprinted from a mathematical theory of investment. Boston, Ginn. 8vo. Pp. 218-242. Cloth. \$0.36
- VECELLIO (A.). Equilibrio cosmico. Parte I: L'equilibrio nel mondo fisico. Feltre, tip. P. Castaldi, di O. Boschiero, 1916. 8vo. 89 pp. L. 1.00
- WHITE (J. D.). Steering by the stars: for night-flying, night-marching, and night boat-work between latitudes 40° N. and 60° N. London, J. D. Potter, 1916. 1s.