ASSISTANT professor ANNA J. PELL, of Mount Holyoke College, has been appointed associate professor of mathematics at Bryn Mawr College. Dr. OLIVE C. HAZLETT, of Bryn Mawr, has been appointed assistant professor of mathematics at Mount Holyoke.

ASSISTANT professor H. M. SHOWMAN, of the Colorado School of Mines, has been promoted to a professorship of mechanics and engineering.

MR. H. L. OLSON has been appointed instructor in mathematics at Heidelberg University, Tiffin, Ohio.

DR. J. V. DEPORTE, of the New York State College at Albany, has been promoted to an assistant professorship of mathematics.

PROFESSOR E. E. LEVI, of the University of Genoa, was killed in battle October 28, 1917, at the age of 34 years. The Italian society of sciences (the XL) awarded him its gold medal in 1912.

PROFESSOR A. VITERBI, of the University of Pavia, was killed in battle November 18, 1917, at the age of 44 years.

BOOK CATALOGUES:—Galloway and Porter, Cambridge, England, list of 78 titles, including 15 in mathematics.

NEW PUBLICATIONS.

I. HIGHER MATHEMATICS.

BALL (W. W. R.). Cambridge papers. London, Macmillan, 1918. 8vo. 6+326 pp. 6s.

BERICHTE und Mitteilungen veranlasst durch die Internationale Mathematische Unterrichtskommission. 2te Folge, III: Titel und Inhaltsübersicht zur ersten und zweiten Folge der Berichte und Mitteilungen. Leipzig, Teubner, 1917. 8vo. 16+99 pp. M. 4.00

GAUJA (P.). Les fondations de l'Académie des Sciences (1881–1915), avec une préface par A. Lacroix et E. Picard, secrétaires perpetuels de l'Académie des Sciences. Paris, Gauthier-Villars, 1917. 8vo. 6+658 pp. Fr. 12.00

KOENIGSBERGER (L.).   Weierstrass' erste Vorlesung über die Theorie der elliptischen Funktionen.   Leipzig, Teubner, 1917.   8vo.   32 pp.

LACROIX (A.).   See GAUJA (P.).

PICARD (E.).   See GAUJA (P.).

VISCARDINI (M.).   Nota su alcune corrispondenze duali di carattere proiettivo, metrico e statico sulla sfera e sul piano.   Roma, Stabilimento tipo-litografico del Genio Civile, 1918.   12 pp.   2 tavole.

II. ELEMENTARY MATHEMATICS.

ANDERSON (R. F.).   See HALLETT (G. H.).

BASSI (A.).   Esercizi e problemi di algebra complementare.   2a edizione riveduta.   Volume 1 (per la terza classe degli istituti tecnici).   Parte 2.   Livorno, Giusti, 1918.   32mo.   8+210 pp.   L. 2.10

BOSTON SCHOOL COMMITTEE.   Outline of work in mathematics for intermediate classes in elementary grades.   (School documents No. 12.)   Boston, School Committee, 1916.   8vo.   9 pp.

HALLETT (G. H.) and ANDERSON (R. F.).   Elementary algebra.   Boston, Silver-Burdett, 1917.   8vo.   6+402 pp.

KEAL (H. M.) and PHELPS (N. S.).   Eighth grade mathematics.   Chicago, Atkinson, Mentzer and Company, 1917.   8vo.   5+132 pp. $0.65

——.   Secondary mathematics.   Book 1.   Chicago, Atkinson, Mentzer and Company, 1917.   8vo.   224 pp. $0.80

MENDIZABAL TAMBORREL (J. DE).   Tratado de goniometria.   2a edicion.   Mexico, Departamento de Talleres Graficos de la Secretaria de Fomento, 1917.   8vo.   209 pp.

MILNE (R. M.).   Mathematical papers for admission into the Royal Military Academy and the Royal Military College for the years 1908–1917.   Edited by R. M. Milne.   London, Macmillan, 1918.   8vo.   7s.

MYERS (G. W.).   See PALMER (C. I.).

PALMER (C. I.) and TAYLOR (D. P.).   Teachers' handbook for Palmer and Taylor's plane geometry; edited by G. W. Myers.   (Lake Mathematical Series.)   Chicago, Scott, Foresman and Company, 1917.   8vo.   14+232 pp. $2.50

PHELPS (N. S.).   See KEAL (H. M.).

TAYLOR (D. P.).   See PALMER (C. I.).

III. APPLIED MATHEMATICS.

ANNUAIRE pour l'an 1918 publié par le Bureau des Longitudes.   Avec des notices scientifiques par G. Bigourdan, J. Renaud, M. Hamy et E. Picard.   Paris, Gauthier-Villars, 1918.   16mo.   10+870 pp.   Fr. 2.00

ARMAGAT (E. H.) et DÉCOMBE (L.).   La statique des fluides, la liquéfaction des gaz et l'industrie du froid.   1re et 2e partie.   Paris et Liège, Béranger, 1917.   6+265 pp.   Fr. 18.00

AUGHTIE (H.).   Applied mechanics, second year.   London, Routledge, 1918.   8vo.   2s. 6d.

BAILEY (W. B.) and CUMMINGS (J.).   Statistics.   Chicago, McClurg, 1917.   6+153 pp.   Cloth. $0.60

BIGOURDAN (G.). See ANNUAIRE.

BOSTON SCHOOL COMMITTEE. Special syllabus, drawing and manual training; grades 1–8, 1917–1918. (School documents Nos. 13–14.) 2 volumes. Boston, School Committee, 1917. 8vo.

COUSIN (A.). Résumé pratique de navigation. Long cours. Plaisance. Cabotage. 2e édition. Paris, Challamel, 1917. 8vo. Cartonné. Fr. 6.50

CUMMINGS (J.). See BAILEY (W. B.).

DECANTE (E.). Tables d'azimut pour tous les points situés entre les cercles polaires et les astres dont la déclination est compris entre 0° et 48°. 3e édition augmentée. Tome 8: 59° à 66°. Paris, Gauthier-Villars, 1917. 8vo. Fr. 6.00

DÉCOMBE (L.). See ARMAGAT (E. H.).

DUNWOODY (H.). Mechanics, sound, light, thermo-mechanics and hydraulics. London, Chapman and Hall, 1918. 8vo. 13s. 6d.

ELDERTON (W. P.). Frequency curves and correlation. Addendum with diagram and errata. London, Layton, 1917. 22 pp. 1s. 6d.

HAMY (M.). See ANNUAIRE.

HARTMAN (W. B.). Machine shop practice. New York, Appleton, 1917. 10+247 pp. Cloth.

HOSMER (G. L.). Navigation. New York, Wiley, 1918. 12 mo. 9+214 pp. Cloth. $1.25

HUGHES (C. H.). Handbook of ship calculations, construction and operation. A book of reference for ship owners, ship officers, ship and engine draughtsmen, marine engineers and others engaged in the building and operating of ships. New York, Appleton, 1917. 24+740 pp. Leather.

KNIBBS (G. H.). The mathematical theory of population applied to the data of Australian population statistics. Appendix A. Volume 1. Melbourne, McCarron, Bird and Company, 1917. 16+466 pp.

MORITZ (F.). Méthode de transformation des diagrammes de Watt (volume et pression) en diagrammes entropiques par le réseau entropique. Paris, Gauthier-Villars, 1917. 16mo. 10 pp. Fr. 1.80

MUIR (W. C. P.). A treatise on navigation and nautical astronomy including the theory of compass deviations prepared for use as a textbook at the U. S. Naval Academy. Fourth edition revised and enlarged. Annapolis, Md., The United States Naval Institute, 1918. 18+784 pp. $4.20

D'OCAGNE (M.). Principes de la nomographie. Application des nomogrammes à l'alignement aux différents cas de résolution des triangles sphériques. Paris, Gauthier-Villars, 1917. 8vo. 42 pp. Fr. 1.50

PERRY (H.). Theories of energy. New York, Putnam, 1918. 8+231 pp. Cloth. $1.75

PICARD (E.). See ANNUAIRE.

RENAUD (J.). See ANNUAIRE.

THOMAS (A. O.). Rural arithmetic. New York, American Book Company, 1918.