

THE following appointments to instructorships in mathematics are announced: Dr. C. D. BROOKS, at Northwestern University; Mr. B. E. CARTER, at Colby College; Mr. E. E. MOOTS, at the University of Wisconsin; Mr. C. J. WEST, at the University of Ohio; Mr. R. S. POND, at the University of Georgia.

PROFESSOR J. WEINGARTEN, of the University of Freiburg, died June 16, at the age of 74 years.

PROFESSOR J. V. SCHIAPARELLI, former director of the astronomical observatory at Milan, died July 4, at the age of 75 years.

PROFESSOR L. RAFFY, of the University of Paris, died June 9, at the age of 55 years.

NEW PUBLICATIONS.

I. HIGHER MATHEMATICS.

EPSTEIN (P.). See PASCAL (E.).

FUCHS (C. A.) and LUDWIG (F. K.). *Zur Geometrie zweier und mehrerer Kreise.* Komotau, Benker, 1910. 8vo. 54 pp. M. 1.30

HIME (H. W. L.). *Anharmonic coordinates.* London, Longmans, 1910. 12mo. 7s. 6d.

LUDWIG (F. K.). See FUCHS (C. A.).

MONTEIL (P. L.). *Théorie du point (2e partie). Géométrie curviligne.* 2e édition, revue, corrigée et considérablement simplifiée. Paris, Chapelot, 1910. 4to. 82 pp.

MÜLLER (E.). See SCHRÖDER (E.).

NETTO (E.). *Die Determinanten.* Leipzig, Teubner, 1910. 8vo. 6 + 129 pp. Cloth. M. 3.60

PASCAL (E.). *Repertorium der höheren Mathematik. 2te völlig umgearbeitete Auflage der deutschen Ausgabe, herausgegeben von H. E. Timerding und P. Epstein. Band II, erste Hälfte: Grundlagen und ebene Geometrie.* Leipzig, Teubner, 1910. 8vo. 16 + 534 pp. M. 10.00

SALMOIRAGHI (A.). *Guida pratica della geometria moderna.* Milano, Allegretti, 1910. 8vo. 24 + 120 pp. L. 5.00

SCHIMANSKI (E.). *Die algebraischen Invarianten der projektiven Gruppen der Ebene und die geometrische Charakterisierung dieser Gruppen.* (Diss.) Königsberg, 1910. 8vo. 95 pp.