

MR. L. C. COX, of State College, Pennsylvania, has been appointed instructor in mathematics at Purdue University.

DR. J. R. CONNER, of the Johns Hopkins University, has been appointed associate in mathematics at Bryn Mawr College.

DR. J. I. TRACEY has been appointed instructor in mathematics in the academic department of Yale University.

DR. R. M. WINGER has been appointed instructor in mathematics at the University of Illinois.

MR. H. BATEMAN, of Bryn Mawr College, has accepted a teaching scholarship at the Johns Hopkins University.

MR. W. V. LOVITT, of the University of Washington, has been appointed instructor in mathematics at Harvard University; Mr. A. L. MILLER has been advanced to an instructorship in mathematics.

PROFESSOR A. E. HAYNES, of the University of Minnesota, has retired after thirty-eight years continuous service as a teacher.

PROFESSOR S. W. SHATTUCK, of the University of Illinois, will retire at the end of the present academic year. He has been connected with the department of mathematics since the founding of the University in 1868.

PROFESSOR M. C. ARZELÀ, of the University of Bologna, died at St. Stephen di Magra, March 16, 1912, at the age of 65 years. He was a member of the Academy dei Lincei and of the national Italian society of sciences.

NEW PUBLICATIONS.

I. HIGHER MATHEMATICS.

- ADHÉMAR (R. d'). *Leçons sur les principes de l'analyse. Tome 1: Séries. Déterminants. Intégrales. Potentiels. Equations intégrales. Equations différentielles et fonctionnelles.* Paris, Gauthier-Villars, 1912. 8vo. 6+324 pp. Fr. 10.00
- BACHELIER (L.). *Calculs des probabilités. Tome 1.* Paris, Gauthier-Villars, 1912. 4to. 7+518 pp. Fr. 25.00
- CALVET-AZAL. *Essai sur la notion de quantité imaginaire.* Paris, Gauthier-Villars, 1912. 8vo. 48 pp.