

AT the University of Colorado Professor S. EPSTEEN has been appointed Secretary of the Graduate School. Professor Epsteen has also been elected president of the Colorado mathematical society.

THE following instructors in mathematics have been appointed at the University of Wisconsin : Dr. A. DRESDEN, in the department of letters and science : Dr. H. E. BUCHANAN, Mr. E. E. MOOTS, and Mr. E. H. MOULTON in the school of engineering.

PROFESSOR C. S. SLICHTER, of the University of Wisconsin, has been granted leave of absence during the academic year 1909-1910 to study in Europe.

PROFESSOR O. BIERMANN, of the German technical school at Brünn, died April 28, at the age of 51 years.

PROFESSOR P. MUTH, the author of the *Elementarteiler*, died April 30 at Osthofen, Rheinhausen, at the age of 48 years.

PROFESSOR G. VAILATI died at Rome, May 15, at the age of 46 years.

NEW PUBLICATIONS.

I. HIGHER MATHEMATICS.

- BALL (W. R.). *Récérations mathématiques et problèmes des temps anciens et modernes.* Vol. III. Paris, Hermann, 1909. 8vo. Fr. 5.00
- BOREL (E.). *Eléments de la théorie des probabilités.* Paris, Hermann, 1909. 8vo. 6 + 200 pp. Fr. 6.00
- BURGGRAF (G.). *Die Γ -Function für komplexe Argumente.* Brünn, 1909. 8vo. 33 pp.
- D'ADHÉMAR (R.). *L'équation de Fredholm. Problèmes de Dirichlet et de Neumann.* Paris, Hermann, 1909. 8vo. Fr. 3.50
- DZIOBEK (O.). *Lehrbuch der analytischen Geometrie. Teil I: Analytische Geometrie der Ebene. 2te verbesserte Auflage.* Braunschweig, Graff, 1909. 8vo. 8 + 358 pp. M. 4.50
- HASS (P.). *Zur Definition des Begriffs der eindeutigen analytischen Funktion.* (Diss.) Kiel, 1908. 8vo. 55 pp.
- JORDAN (C.). *Cours d'analyse de l'école polytechnique. 3e édition, revue et corrigée.* Vol. I. Paris, Gauthier-Villars, 1909. 8vo. 16 + 621 pp. Fr. 17.00
- KAMBLY und ROEDER. *Elemente der analytischen Geometrie der Ebene. Neu bearbeitet von A. Thaer.* Breslau, Hirt, 1909. 8vo. 121 pp. M. 1.30