

Nov.,

ASSISTANT PROFESSOR S. I. BAILEY has been promoted to an associate professorship of astronomy at Harvard University.

DR. E. P. CHILDS has been appointed professor of physics in the University of New Mexico.

MR. J. M. POOR has been appointed instructor in astronomy in Dartmouth College.

PROFESSOR W. C. TINDALL, until recently head professor of the department of mathematics in the Missouri State University, died on September 17th.

THE University of Pennsylvania has given its alumnæ mathematical fellowship for women to Miss R. H. VIVIAN.

FATHER CYPRIEN, of the monastery of Mount Athos, formerly the well-known explorer, Prince C. Wiasemsky, contributes to the *Revue générale des Sciences* for the 15th of September, 1898, an article entitled: "New theory of transcribed spheres."

PROFESSOR H. POINCARÉ, of the University of Paris, contributes an article "On the foundations of geometry" to the October number of the *Monist*.

NEW PUBLICATIONS.

I. HIGHER MATHEMATICS.

ADAM (C.). See DESCARTES.

ALLEN (J.). See TANNER (J. H.).

BREUER (A.). Elementar entwickelte Theorie und Praxis der Funktionen einer complexen Variablen in organischer Verbindung mit der Geometrie. Vienna, Daberkow, 1898. 8vo. 8 and 205 pp.

DESCARTES. Oeuvres de Descartes. Publiées par Charles Adam et Paul Tannery, sous les auspices du ministère de l'instruction publique. Correspondance, II (mars 1633-décembre 1639). Paris, Cerf, 1898. 4to. 23 and 657 pp.

FATTOR (L.). Di una costruzione delle coniche per punti e per tangenti. Cividale, Fulvio, 1898. 8vo. 7 pp.

GIUDICE (F.). Nozioni sulle trasformazioni puntuali e sui gruppi continui. Brescia, Appolonio, 1898. 8vo. 10 and 144 pp.

GOETTLER (J.). Conforme Abbildung eines von confocalen elliptischen und hyperbolischen Kurven unter Ordnung begrenzten Flächenstückes auf der Halbebene. (Programme.) Passau, Waldbauer, 1898. 8vo. 34 pp. M. 1.00