THE fifth volume of HELMHOLTZ's "Lectures on theoretical physics" has just appeared; it contains the electromagnetic theory of light. This volume will be followed in order by Part 2 of Vol. I: Dynamics of discrete mass-points, edited by O. Krigar-Menzel; Part 1 of Vol. I: The general principles of the physical sciences, edited by A. König; and Vol. III: Mathematical principles of acoustics, edited by A. König and C. Runge. At a later period may be expected Vol. II: Dynamics of continuous masses, Vol. IV: Electrodynamics and theory of magnetism, and Vol. VI: Theory of heat, all to be edited by O. Krigar-Menzel. L. Voss, of Hamburg, is the publisher.

JOHN WILEY AND SONS have in press a work on the elements of the theory of functions, by Professor A. S. CHESSIN, of the Johns Hopkins University.

NEW PUBLICATIONS.

I. HIGHER MATHEMATICS.

APPELL (P.) et LACOUR (E.). Principes de la théorie des fonctions elliptiques et applications. Paris, Gauthier-Villars, 1896. 8vo. 9 and 421 pp.   Fr. 12.00

BASS (E. W.). Differential calculus. New York, Wiley, 1896. 12mo.
                                                                        $4.00

BOHLMANN (G.). See SERRET (J. A.).

BONNEL (J.). Les hypothèses dans la géométrie; éléments de la théorie atomique. Paris, Gauthier-Villars, 1896. 8vo.   Fr. 1.50

BOUQUET. See BRIOT and BOUQUET.

BOYD (J. H.). See BRIOT and BOUQUET.

BRIOT and BOUQUET. The elements of analytical geometry of two dimensions. 14th edition. Authorized English translation by J. H. Boyd. Chicago, Werner School Book Co., 1896. 8vo. 582 pp. Cloth. $2.00

DICKSTEIN (S.). See SCHLEGEL (V.).

EPAPHRODITUS et VITRUVIUS. Traités d'arpentage et de géométrie. Nouveau texte, publié d'après le manuscrit latin 13,084 de la Bibliothèque Royale de Munich par V. Mortet. Avec introduction par P. Tannery. Paris, Gauthier-Villars, 1896. 4to. 4 and 44 pp. avec 2 planches et figures.

FRICKE (R.). Hauptsätze der Differential- und Integralrechnung. Als Leitfaden zum Gebrauch bei Vorlesungen zusammengestellt. (2 Theile.) Theil I. Braunschweig, Vieweg, 1897. 8vo. 9 and 80 pp.
                                                                        Mk. 2.00

FURTWÄNGLER (P.). Zur Theorie der in Linearfaktoren zerlegbaren, ganzzahligen ternären cubischen Formen. [Diss.] Göttingen, Vandenhœck, 1897. 8vo. 63 pp.   Mk. 1.60