

OBITUARY NOTICE.

M. PAUL TANNERY.

WE regret to learn of the death of M. Paul Tannery on November 27th ult., at the age of 61. M. Tannery, after studying in the Polytechnique at Paris, devoted himself professionally to the tobacco industry, and became director of the Pantin tobacco works. He was a man of varied interests, his writings dealing with mathematics, philosophy, the history of sciences, philology and Hellenic studies. In addition to papers on these subjects, he wrote treatises on Greek geometry and the history of astronomy, and collaborated in editing the works of Fermat and Descartes. He once gave a course of lectures on the history of Arithmetic at the Sorbonne, and also lectured on Greek and Latin temporarily in the Collège de France. Recently he has taken an active part in drawing public attention towards encouraging the study of the history of the exact sciences.

BOOKS, ETC., RECEIVED.

The Schoolmasters' Year Book and Directory. Pp. 558. 1905. (Swan, Sonnenschein.)

Lectures on the Calculus of Variations. By OSCAR BOIZA. Pp. 272. \$4. 1904. (The University, Chicago Press.)

Introduction à la Géométrie générale. By G. LECHALAS. Pp. x, 58. (Gauthier-Villars.)

An Introduction to the Calculus based on Graphical Methods. By G. A. GIBSON. Pp. vii, 225. 3s. 6d. 1904. (Macmillan.)

Elementary Algebra. Part II. By W. M. BAKER and A. A. BOURNE. Teachers' Edition. 3s. Pp. 277-468. 1905. (Bell.)

Lessons in Experimental and Practical Geometry. By H. S. HALL and F. H. STEVENS. Pp. vi, 94, iii. 1s. 6d. 1905. (Macmillan.)

An Introduction to Projective Geometry and its Applications: An Analytic and Synthetic Treatment. By A. EMCH. Pp. vii, 267. \$2.50. 1905. (Wiley; Chapman & Hall.)

Formelsammlung und Repetitorium der Mathematik. By O. Th. Bürklen. Pp. 227. 80 pf. 1905. (Götschen.)

Schattenkonstruktionen. By J. VONDERLINN. Pp. 118. 80 pf. 1905. (Götschen.)

Darstellende Geometrie. Vol. I. *Elemente Ebenflächige Gebilde.* By R. HAUSSNER. Pp. 207. 80 pf. 1905. (Götschen.)

Gazeta Matematica. Edited by I. IONESCU. Jan., 1905.

Le Calcul Simplifié. By MAURICE D'OCAGNE. P. viii, 225. 5 frs. 1905. (Gauthier-Villars.)

The Annals of Mathematics. Edited by OSMOND STONE and Others. Second Series. Vol. 6, No. 2. Jan., 1905. (Longmans, Green.)

The Solutions of Differential Equations of the First Order as Functions of their Initial Values. G. A. BLISS. *On the Conformal Representation of certain Isosceles Triangles upon the Upper Half-Plane.* L. WAYLAND DOWLING. *Remarks on a Proof that a Continuous Function is uniformly continuous.* N. J. LENNES.

The American Journal of Mathematics. Edited by F. MORLEY. Vol. XXVII., No. 1. 1905. (Kegan Paul.)

Some properties of a generalised Hypergeometric Function. F. H. JACKSON. *The Relation between real and complex Groups with respect to their Structure and Continuity.* S. E. SLOCUM. *Determination of all the characteristic Sub-Groups of any Abelian Group.* G. A. MILLER. *Collineations whose characteristic Determinants have linear Elementary Divisors. Application to Quadratic Forms.* A. B. COBLE. *On certain Elliptic Modular Functions of Square Rank.* J. A. MILLER. *Minors of Azi-Symmetric Determinants.* E. J. NANSON. *On the Forms of Sextic Scrolls having a Rectilinear Directrix.* V. SNYDER.