

NOTES.

At the annual meeting of the London mathematical society held on November 9 the following papers were read: By J. E. CAMPBELL, "The invariants of the linear partial differential equation of the second order, having two independent variables"; by H. HILTON, "On invariants of a canonical substitution"; by C. T. BENNETT, "The system of lines on a cubic surface"; by G. H. HARDY and J. E. LITTLEWOOD, "The relations between Borel's and Cesaro's methods of summation"; by W. P. MILNE, "A method of establishing the 27-line configuration on a cubic surface"; by H. BATEMAN, "Mathematical analogues of mental phenomena."

At the meeting of the Edinburgh Mathematical Society on November 10, the following papers were read: By W. P. MILNE, "The system of cubic curves circumscribing two triangles and apolar to them"; by W. P. MILNE, "An easy geometrical representation of the sextic covariant of a binary quartic"; by T. HUGH MILLER, "On the numerical calculation of natural logarithms."

At the meeting of December 8 the following papers were read: By WILLIAM PEDDIE: "The mechanical solution of an n -ic equation, and exhibition of a model for the determination of the roots of a cubic; by D. M. Y. SOMMERVILLE: "Einstein's principle of relativity in its kinematical aspect" and "Note on Legendre's and Bertrand's proofs of the parallel postulate by infinite areas."

The officers of the society for the year 1911-1912 are: president, D. M. Y. SOMMERVILLE; vice-president, A. G. BURGESS; secretary, PETER COWRIE.

THE first congress of Russian professors of mathematics will be held at St. Petersburg January 9-16, 1912.

A NEW journal, entitled the "*Vector*," has been established at Warsaw. It will be devoted to mathematical and physical science in general and especially to questions of method and pedagogy.

THE publishing house of Gauthier-Villars in Paris announces the following mathematical works in press: Works of Hermite,