A', B', C', E' being the minors corresponding to a, b, c, e in the Wronskian

$$W = \left| \, a, \quad \frac{db}{ds}, \quad \frac{d^2c}{ds^2}, \quad \frac{d^3e}{ds^3} \, \right|.$$

The above values for the curvatures are derived directly by Pirondini in *Battaglini's Journal* for 1890.

PRINCETON, NEW JERSEY.

NOTES.

THE closing (October) number of Volume I of the *Transactions* of the AMERICAN MATHEMATICAL SOCIETY contains the following papers : " On surfaces enveloped by spheres belonging to a linear spherical complex," by P. F. SMITH ; " On certain relations among the theta constants," by J. I. HUTCHINSON ; " On groups which have the same group of isomorphisms," by G. A. MILLER ; " Die Hesse'sche und die Cayley'sche Curve," by P. GORDAN ; " Application of a method of D'Alembert to the proof of Sturm's theorem of comparison," by M. BÔCHER ; " Two plane movements generating quartic scrolls," by E. M. BLAKE ; " The invariant theory of the inversion group : geometry upon a quadric surface," by E. KASNER ; " A simple proof of the fundamental Cauchy-Goursat theorem." by E. H. MOORE ; " Notes and errata : Volume I."

THE mathematical section of the British association for the advancement of science held its meeting at Bradford, September 10, 1900, with Major P. A. MacMahon, F.R.S. as presiding officer, and Mr. E. T. Whittaker, secretary. The following papers were read :

(1) MISS F. HARDCASTLE : Report (preliminary) on the present state of the theory of point groups.

(2) MAJOR P. A. MACMAHON : " A property of the characteristic symbolic determinant of any n quantics in n variables."

(3) PROFESSOR CYPARISSOS STEPHANOS : " Sur les relations entre la géométrie projective et la mécanique."

(4) Mr. H. S. CARSLAW : " The use of multiple space in applied mathematics."

(5) MAJOR P. A. MACMAHON : " The asyzygetic and perpetuant covariants of systems of binary quantics."