NOTES.

THE third (July) number of Volume II. of the *Transactions* of the AMERICAN MATHEMATICAL SOCIETY contains the following papers : " On the convergence of continued fractions with complex elements," by E. B. VAN VLECK ; " Geometry within a linear spherical complex," by P. F. SMITH ; " A new determination of the primitive continuous groups in two variables," by H. F. BLICHFELDT ; " Determination of all the groups of order p^m which contain the abelian group of type $(m-2, 1)$, p being any prime," by G. A. MILLER ; " Zur linearen Transformation der ϑ-Reihen," by F. MERTENS ; " On a fundamental property of a minimum in the calculus of variations, and the proof a theorem of Weierstrass," by W. F. OSGOOD ; " Concerning Harnack's theory of improper definite integrals," by E. H. MOORE.

THE July number (volume 23, number 3), of the *American Journal of Mathematics* contains the following articles : " Geometry on the cubic scroll of the second kind," by F. C. FERRY ; " Congruent reductions of bilinear forms," by T. J. I'A. BROMWICH ; " On the imprimitive substitution groups of degree fifteen, and the primitive substitution groups of degree eighteen," by E. N. MARTIN ; " Removal of two terms from a binary quantic by linear transformations," by B. G. MORRISON.

THE July number (second series, volume 2, number 4) of the *Annals of Mathematics* contains the following papers : " Concerning du Bois-Reymond's two relative integrability theorems," by E. H. MOORE ; " On a theorem of kinematics," by P. SAUREL ; " The collineations of space which transform a non-degenerate quadric surface into itself," by R. G. WOOD ; " Note on multiply perfect numbers," by J. WESTLUND ; " The isoperimetrical problem on any surface," by J. K. WHITTEMORE ; " On a surface of the sixth order which is touched by the axes of all screws reciprocal to three given screws," by E. W. HYDE ; " Note sur l'évaluation d'une intégrale définie," by D. SINTSOF.

CORNELL UNIVERSITY.—During the academic year 1901–1902, the following advanced courses will be offered by the department of mathematics, each course extending through the year unless the contrary is explicitly stated : By Professor L. A. WAIT : Advanced analytic geometry, three