NOTES.

THE April number (volume 13, number 2) of the *Transactions of the American Mathematical Society* contains the following papers: "A generalization of Weierstrass's preparation theorem for a power series in several variables," by G. A. BLISS; "An existence theorem for periodic solutions," by W. D. MAC-MILLAN; "A condition that a function in a projective space be rational," by W. F. OSGOOD; "A method of proving certain theorems relating to rational functions which are adjoint to an algebraic equation for a given value of the independent variable," by J. C. FIELDS: "The dependence of focal points upon curvature for problems of the calculus of variations in space," by M. B. WHITE; "Orthocentric properties of the plane directed n-line," by J. E. HODGSON; "Certain singularities of point transformations in space of three dimensions," by S. E. URNER; "Multiple correspondences determined by the rational plane quintic curve," by J. R. CONNER.

THE April number (volume 34, number 2) of the *American Journal of Mathematics* contains: "The groups of birational transformations of algebraic curves of genus 5," by J. V. MC-KELVEY; "The general theory of linear q-difference equations," by R. D. CARMICHAEL; "Concerning linear projective order," by A. R. SCHWEITZER; "On certain expansions of elliptic, hyperelliptic, and related periodic functions," by F. R. MOULTON; "On cubic birational space transformations," by H. P. HUDSON; "On the definition of multiplication of irrational numbers," by OSWALD VEBLEN.

THE Library of Congress will have ready for distribution in July the first of a series of catalogue cards forming the beginning of a dictionary catalogue of all articles in the Encyklopädie der mathematischen Wissenschaften and the Encyclopédie des Sciences mathématiques. The material for all parts of the two Encyclopedias thus far issued has already been supplied by Brown University, which will continue to supply the material as future parts appear.

AT the meeting of the London mathematical society held on March 14 the following paper was read: By G. T. BENNETT, "The cubic surface as a degenerate quartic."