NOTES.

THE July number (volume 13, number 3) of the *Transactions of the American Mathematical Society* contains the following papers: "Quaternion developments with applications," by J. B. SHAW; "Theory of finite algebras," by H. S. VANDIVER; "On the degree of convergence of the development of a continuous function according to Legendre's polynomials," by DUNHAM JACKSON; "Functional differential geometry," by LOUIS INGOLD; "On the extension of a theorem of Poincaré for difference-equations," by E. B. VAN VLECK; "One-parameter projective groups and the classification of collineations," by E. B. VAN VLECK; "Bicombinants of the rational plane quartic and combinants of the rational plane quintic," by J. E. ROWE.

THE July number (volume 34, number 3) of the *American Journal of Mathematics* contains: "Minimal surfaces in euclidean four space," by L. P. EISENHART; "A contribution to the foundations of Fréchet's Calcul Fonctionel," by T. H. HILDEBRANDT; "On the perspective Jonquières involutions associated with the (2, 1) ternary correspondence," by P. P. BOYD; "Some geometrical theorems connected with Laplace's equation and the equation of wave motion," by H. BATEMAN.

THE June number (volume 13, number 4) of the *Annals of Mathematics* contains: "On the rectilinear congruence realizing a circular transformation of one plane into another," by A. EMCH; "On Duhamel's theorem," by R. L. MOORE; "On linear equations with an infinite number of variables," by MAXIME BÔCHER and L. BRAND; "On the theory of correlation with special reference to certain significant loci on the plane of distribution in the case of normal correlation," by H. L. RIETZ.

THE Society for the Promotion of Engineering Education has reprinted as a separate volume the Syllabus of Mathematics compiled by its committee on the teaching of mathematics to students of engineering. The syllabus covers elementary algebra, geometry and mensuration, plane trigonometry, analytic geometry, calculus, and complex quantities.