This contains within itself the enunciation of many problems in elementary geodesy. He asks if one should not seek to introduce by elementary methods this geometry into the secondary schools.

C. L. E. MOORE.

NOTES.

THE July number (volume 9, number 3) of the *Transactions* of the AMERICAN MATHEMATICAL SOCIETY contains the following papers: "Brilliant points of curves and surfaces," by W. H. ROEVER; "Continuous increasing functions of finite and transfinite ordinals," by O. VEBLEN; "Projective differential geometry of curved surfaces (third memoir)," by E. J. WILCZYNSKI; "Invariants of the function $F(x, y, x', y')$ in the calculus of variations," by A. L. UNDERHILL; "The integration of a sequence of functions and its application to iterated integrals," by R. G. D. RICHARDSON.

THE July number (volume 30, number 3) of the *American Journal of Mathematics* contains the following papers: "Determination of conjugate points for discontinuous solutions," by O. BOLZA; "Mathematical logic as based on the theory of types," by B. RUSSELL; "Invariantive reduction of quadratic forms in the $GF[2^n]$," by L. E. DICKSON; "The motion of a particle attracted toward a fixed center by a force varying inversely as the fifth power of the distance," by W. D. MACMILLAN.

THE concluding (July) number of volume 9 of the *Annals of Mathematics* contains the following papers: "On the spherical representation of a surface," by P. SAUREL; "The absolute minimum in the problem of the surface of revolution of minimum area," by Miss M. E. SINCLAIR; "Note on the roots of Bessel functions," by C. N. MOORE; "A smooth closed curve composed of rectilinear segments with vertex points which are nowhere dense," by E. R. HEDRICK; "Evaluation of the probability integral," by F. GILMAN; "On a second theorem of the mean," by C. N. HASKINS; "Another proof of a theorem in multiply perfect members," by R. D. CARMICHAEL; "A theorem concerning equal ratios," by J. L. COOLIDGE; "Note on certain iterated and multiple integrals," by W. A. HURWITZ.