

NOTES

The July, 1927, number of the Transactions of this Society (volume 29, No. 3) contains the following papers: *The contact of a cubic surface with an analytic surface*, by E. P. Lane; *Dynamical space-times which contain a conformal euclidean 3-space*, by H. P. Robertson; *Reduction of the ordinary linear differential equation of the n th order whose coefficients are certain polynomials in a parameter to a system of n first-order equations which are linear in the parameter*, by C. E. Wilder; *On the "third axiom of metric space,"* by V. W. Niemytzki; *Implicit functions and differential equations in general analysis*, by L. M. Graves; *Concerning acyclic continuous curves*, by H. M. Gehman; *On a general formula in the theory of Tchebycheff polynomials and its applications*, by J. Shohat; *A factorization theory for functions $\sum_{i=1}^n a_i e^{a_i x}$* , by J. F. Ritt; *Arithmetic of logic*, by E. T. Bell; *Functionals of r -dimensional manifolds admitting continuous groups of point transformations*, by A. D. Michal. The October, 1927, number contains: *The differential equation of the elliptic cylinder*, by J. H. McDonald; *On a class of integral equations with discontinuous kernels*, by R. E. Langer and E. P. Brown; *Some third-order irregular boundary value problems*, by L. E. Ward; *Concerning point sets which can be made connected by the addition of a simple continuous arc*, by G. T. Whyburn; *The Notion of Green's function in the theory of integro-differential equations*, by J. D. Tamarkin; *A general theory of nets on a surface*, by V. G. Grove; *Simply transitive primitive groups*, by W. A. Manning; *The expansion problems associated with regular differential systems of the second order*, by M. H. Stone; Errata, volumes 21, 28, 29.

The July, 1927, number of the American Journal of Mathematics (volume 49, No. 3) contains the following papers: *Linear ordinary self-adjoint differential equations of the second order*, by Anna Pell Wheeler; *The singularities of a function defined by a Dirichlet series*, by D. V. Widder; *On entire function interpolation*, by I. M. Sheffer; *Optics in space of constant non-vanishing curvature*, by J. Pierpont; *On an imprimitive group of order 5134*, by J. R. Musselman; *Rational involutorial transformations in S_4 which leave invariant ∞^4 quadric varieties*, by H. C. Shaub; *A three-dimensional quartic variety in four-space*, by B. C. Wong; *Compound singularities of the rational plane quartic curve*, by J. H. Neelley; *Pencils of conics in the Galois fields of order 2^n* , by A. D. Campbell; *On generalized lacunae*, by J. J. Gergen; *Properties of certain aggregate functions*, by L. S. Hill; *The theory of group-reduced distributions*, by J. H. Redfield; *Closure of the tangential process on the rational plane cubic*, by F. E. Allen.

At the meeting of the Society to be held in Chicago on April 6-7, Professors E. P. Lane and E. B. Stouffer will be the principal speakers at a symposium entitled Recent developments in projective differential geometry.