

## NOTES

The second number of volume 25 of the TRANSACTIONS OF THIS SOCIETY (April, 1923) contains the following papers: *Developments associated with a boundary problem not linear in the parameter*, by R. E. Langer; *Invariant points of a surface transformation of given class*, by J. W. Alexander; *Applications of analysis to the arithmetic of higher forms*, by E. T. Bell; *On the second derivatives of an extremal-integral with an application to a problem with variable end points (supplementary paper)*, by A. Dresden; *Abstract group definitions and applications*, by W. E. Edington; *On the integrals of elementary functions*, by J. F. Ritt; *Invariants of the linear group modulo  $p^k$* , by M. M. Feldstein; *On certain polar curves with their application to the location of the roots of the derivatives of a rational function*, by B. Z. Linfield; *Orthogonal systems of hypersurfaces in a general Riemann space*, by L. P. Eisenhart; *Ruled surfaces with generators in one-to-one correspondence*, by E. P. Lane; *Symmetric tensors of the second order whose first covariant derivatives are zero*, by L. P. Eisenhart.

The second and third numbers of volume 45 of the AMERICAN JOURNAL OF MATHEMATICS (April and July, 1923) contain: *A class of numbers connected with partitions*, by E. T. Bell; *Note on a new type of summability*, by N. Wiener; *On mediate cardinals*, by D. Wrinch; *Periodic oscillations of three finite masses about the Lagrangian circular solutions*, by H. E. Buchanan; *On certain chains of theorems in reflexive geometry*, by F. D. Sutton; *A poristic system of equations*, by L. B. Robinson; *Systems of two linear integral equations with two parameters and symmetrizable kernels*, by M. Buchanan; *The asymptotic expansion of the functions  $W_{k,m}(z)$  of Whittaker*, by F. H. Murray; *Some geometric applications of symmetric substitution groups*, by A. Emch; *On elliptic cylinder functions of the second kind*, by S. Dhar.

The second number of volume 24, series 2, of the ANNALS OF MATHEMATICS contains: *Spherical representation of conjugate systems and asymptotic lines*, by W. C. Graustein; *On a short method of least squares*, by B. H. Camp; *On the convergence of the Sturm-Liouville-series*, by J. L. Walsh; *The functional equation  $g(x^2) = 2ax + [g(x)]^2$* , by J. H. M. Wedderburn; *On convergence factors in triple series and the triple Fourier's series*, by B. M. Eversull; *On the minimizing of a class of definite integrals*, by P. R. Rider; *A pythagorean functional equation*, by E. Hille.

At the meeting of the British Association for the Advancement of Science at Liverpool in September, 1923, Sir David Bruce was elected