

NOTES

At the meeting of the Southwestern Section of this Society, at the University of Missouri on December 1, Professor Henry Blumberg, of the University of Illinois will give an address on *Properties of unrestricted functions*, at the invitation of the program committee.

Three numbers of the TRANSACTIONS OF THIS SOCIETY have recently been published almost simultaneously, from three different presses. These numbers contain the following papers. Volume 23, number 4 (June, 1922): *A proof and extension of the Jordan-Brouwer separation theorem*, by J. W. Alexander; *Oscillation theorems in the complex domain*, by E. Hille; *On certain relations between the projective theory of surfaces and the projective theory of congruences*, by F. E. Wood; *Asymptotic planetoids*, by D. Buchanan; vol. 24, number 1 (July, 1922): *Associated sets of points*, by A. B. Coble; *On algebraic functions which can be expressed in terms of radicals*, by J. F. Ritt; *On the location of the roots of the jacobian of two binary forms, and of the derivative of a rational function*, by J. L. Walsh; *I-conjugate operators of an abelian group*, by G. A. Miller; volume 25, number 1 (January, 1923): *The (1, 2) correspondence associated with the cubic space involution of order two*, by F. R. Sharpe and V. Snyder; *Sur certaines équations aux différences finis*, by N. E. Nörlund; *Differential geometry of an m-dimensional manifold in a euclidean space of n dimensions*, by C. E. Wilder; *Expansions in terms of solutions of partial differential equations. First paper: Multiple Fourier series expansions*, by C. C. Camp; *Euler algebra*, by E. T. Bell.

The opening number of volume 45 of the AMERICAN JOURNAL OF MATHEMATICS (January, 1923) contains: *On the number of solutions in positive integers of the equation $yz + zx + xy = n$* , by L. J. Mordell; *A closed set of normal orthogonal functions*, by J. L. Walsh; *Congruences determined by a given surface*, by Claribel Kendall; *Linear partial differential equations with a continuous infinitude of variables*, by I. A. Barnett; *On the ordering of the terms of polars and transvectants of binary forms*, by L. Isserlis.

The concluding number of volume 23, series 2, of the ANNALS OF MATHEMATICS (June, 1922) contains: *On the positions of the imaginary points of inflexion and critic centers of a real cubic*, by B. M. Turner; *Frequency distributions obtained by certain transformations of normally distributed variates*, by H. L. Rietz; *The associated point of seven points in space*, by H. S. White; *Common solutions of two simultaneous Pell equations*, by A. Arwin; *On the complete independence of Hurwitz's postulates for abelian groups and fields*, by B. A. Bernstein; *On power series with positive real part in the unit circle*, by T. H. Gronwall; *Algebraic surfaces, their cycles and integrals. A correction*, by S. Lefschetz.

The following university courses in mathematics are announced for the academic year 1923-1924, in addition to those listed in the July number of this BULLETIN: