

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:

UNIVERSITY OF WISCONSIN (First Semester).—By Professor E. B. Skinner: Advanced calculus; Theory of numbers.—By Professor H. W. March: Harmonic analysis.—By Professor E. B. Van Vleck: Differential equations; Theory of analytic functions; Integral equations.—By Professor A. Dresden: Calculus of variations.—By Professor C. S. Slichter: Mechanics.—By Professor L. W. Dowling: Projective geometry.

YALE UNIVERSITY.—By Professor J. K. Whittemore: Differential geometry; Special topics in advanced differential geometry.—By Professor W. A. Wilson: Functions of a real variable; Special topics in the theory of aggregates.—By Professor E. J. Miles: Advanced calculus of variations.—By Professor E. W. Brown: Celestial mechanics.—By Professor J. I. Tracey: Higher algebra.—By Professor James Pierpont: Non-euclidean geometry and Einstein's theory.—By Mr. Mikesh: Teachers' course.

Drury College, on the occasion of its fiftieth anniversary in June, 1923, conferred the honorary degree of doctor of laws on Professor B. F. Finkel, of the department of mathematics, founder of the AMERICAN MATHEMATICAL MONTHLY.

Professor G. D. Birkhoff of Harvard University received the honorary degree of doctor of science from Brown University at the June, 1923, commencement.

The following Italian professors have been transferred as indicated: Professor G. Armellini from the chair of higher mechanics at Pisa to that of astronomy at Rome; Professor A. Comessati from the chair of analytic geometry at Cagliari to that of descriptive geometry at Padua; Professor E. Laura from the chair of rational mechanics at Pavia to the same chair at Padua; Professor A. Palatini from the chair of rational mechanics at Messina to that of mathematical physics at Naples.

The following have been appointed to associate professorships: Dr. E. Bompiani, in analytic geometry, at the Milan Technical School; Dr. C. Rosati, in projective and descriptive geometry, at the University of Pisa; Dr. G. Sannia, in analytic geometry, and Dr. G. Vitali, in infinitesimal calculus, at the University of Modena.

Professor G. D. Olds of Amherst has been elected acting President of that college for the academic year 1923–1924, with the understanding that he will be made president at the end of the year. Professor Olds has been professor of mathematics at Amherst since 1891, was dean from 1908 to 1920, and acting president 1920–1921.

Associate Professor R. C. Archibald of Brown University has been promoted to a full professorship of mathematics.

Professor P. J. Daniell, of Rice Institute, has been appointed to the Town Trust chair of mathematics at the University of Sheffield.

Captain D. M. Garrison, of the corps of Professors of Mathematics, U. S. Navy, is retiring from the Navy, and has accepted the professorship of mathematics at St. John's College, Annapolis, Md. Captain Garrison has been a member of the department of mathematics at the U. S. Naval Academy for twenty years, and for the past five years, during the difficult

period of readjustment following the World War, has been head of the department. He will be succeeded as head of the department by Commander A. J. Chantry, Jr., of the corps of Naval Constructors.

Mr. P. Y. Yoder, of the University of Kansas, has been appointed professor of mathematics and physics at Blue Ridge College, Maryland.

Professor J. V. DePorte, of the New York State College for Teachers, has been granted leave of absence for the academic year 1923-24, which he will spend at Johns Hopkins University.

Dr. C. H. Yeaton and Dr. F. E. Carr have been appointed assistant professors of mathematics at Oberlin College.

Professor C. N. Mills, of Heidelberg University, Tiffin, Ohio, has accepted a professorship of mathematics at the South Dakota State Normal School.

Mr. Norman Anning, instructor in mathematics at the University of Michigan, has been promoted to an assistant professorship.

Dr. Frederick Wood, instructor in mathematics at the University of Wisconsin, has accepted a professorship of mathematics in the State Normal School, Indiana, Pennsylvania.

At the University of Iowa, Assistant Professor W. H. Wilson is on leave of absence for the academic year 1923-1924. Mr. R. E. Kennon, instructor in mathematics, has resigned to accept a position as examiner of the Iowa State Insurance Department.

At the University of Texas, Associate Professor E. L. Dodd has been promoted to a full professorship and made chairman of the department. Associate Professor R. L. Moore has been promoted to a full professorship, Adjunct Professor H. J. Ettlinger to an associate professorship, and Dr. P. M. Batchelder and Miss Mary Decherd to adjunct professorships.

Assistant Professor E. W. Pehrson, of the University of Utah, has been promoted to an associate professorship of mathematics.

The following appointments to instructorships in mathematics are announced: Mr. H. E. Arnold and Mr. G. W. Bain, at Wesleyan University; Mr. J. P. Ballantine, of the University of Chicago, at Columbia University; Dr. I. A. Barnett, of the University of Saskatchewan, at the University of Cincinnati; Mr. H. W. Chandler, of the University of Minnesota, at the University of Florida; Mr. T. H. Milne, of the University of Alberta, at the University of Buffalo; Dr. Jesse Osborn, of Cornell University, at the University of Iowa. Dr. I. Maizlish, of the University of Minnesota, has been appointed instructor in physics at Lehigh University.

Dr. C. A. Garabedian, of Harvard University, has received an appointment as Parker Traveling Fellow for the academic year 1923-1924.

Professor W. Killing died February 11, 1923, at the age of seventy-two years.

Professor S. D. Killam, of the University of Alberta, was drowned in Lake Annis, Nova Scotia, July 22, 1923.

Dr. T. M. Blakslee, of Des Moines College, died January 30, 1923.