

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

president for the year 1923—24, to preside at the meeting of the Association in Toronto, in the summer of 1924. The address of the retiring president, Sir Ernest Rutherford, was on *The electrical structure of matter*, and the address of Professor J. C. McLennan, of the University of Toronto, president of Section A, was on the *Origin of spectra*. On the occasion of this meeting honorary degrees were conferred by the University of Liverpool on Sir Ernest Rutherford, Professor Niels Bohr, and Professor J. C. McLennan.

On the occasion of the centenary of Pasteur, the following French mathematicians and mathematical physicists were made officers or chevaliers of the Légion d'Honneur: Andoyer, Brillouin, Cartan, Cotton, Hadamard, Langevin, Vessiot, officers; Baire, Drach, Fréchet, Lebesgue Ollivier, Riquier, Valiron, Villat, chevaliers.

The decision of the first committee of award of the Bôcher Prize of this Society was announced December 28, 1923, at the annual meeting in New York. The award was made to Professor G. D. Birkhoff, of Harvard University, for his memoir entitled *Dynamical systems with two degrees of freedom*, published in the TRANSACTIONS OF THIS SOCIETY, volume 18, pages 199-300.

The prize of \$1000 offered by a member of the American Association for the Advancement of Science for a notable contribution to science reported at the Cincinnati meeting has been awarded to Professor L. E. Dickson, of the University of Chicago. The papers upon which the award was based were presented at sessions of the western meeting of this Society, held in connection with the A. A. S.; their titles were: Algebras and their arithmetics, On the theory of numbers and generalized quaternions, and Quadratic fields in which factorization is always unique. The first of these papers, which gives a resume of the work of others and of the authors' own recent work in this field (see p. 65 of this issue), will appear in an early number of this BULLETIN, as will also the third of these papers.

At the annual meeting of this Society in New York, President Veblen announced that the fellowships administered by the National Research Council for physics and chemistry by means of funds from the Rockefeller Foundation had been extended to include mathematics, and that the grant had been increased from \$100,000 to \$125,000 per annum, effective July 1, 1925. By an action taken since this announcement was made, the inclusion of mathematics as one of the possible subjects will take effect at once, on the fund now operative.

On account of proposed absence from this country, Professor E. B. Van Vleck has resigned as a representative of this Society on the National Research Council. The Council of this Society has selected

Professor H. F. Blichfeldt to complete the term which expires on July 8, 1924, and also to represent this Society for the succeeding period of three years.

At the request of the American Section of the International Mathematical Union, the Council of this Society has selected four additional representatives on the Section, for the nine months including the International Congress, namely, Professors A. B. Coble, Arnold Dresden, L. E. Dickson, and Virgil Snyder.

At the inauguration of Dr. G. J. Trueman as president of Mount Allison University, Sackville, New Brunswick, Canada, the honorary degree of doctor of laws was conferred on Professor R. C. Archibald, of Brown University.

Professor L. A. Howland, head of the department of mathematics at Wesleyan University, has been made acting president of that institution.

Assistant Professor Mary Curtis Graustein, of Wellesley College, has returned to the college after two years' leave of absence.

At St. John's College, Annapolis, Maryland, Professor B. H. Waddell and Assistant Professor T. L. Gladden have resigned, and Mr. G. A. Bingley, instructor in mathematics at the United States Naval Academy, has been appointed assistant professor.

At the Carnegie Institute of Technology, Professor O. T. Geckeler has been made head of the department of mathematics; Assistant Professor H. S. Lightcap has been promoted to an associate professorship, and R. P. Johnson, E. A. Whitman, and E. A. Starr have been promoted to assistant professorships.

At Colgate University, Mr. H. A. Dobell has been granted leave of absence for study at the University of Pennsylvania.

Professor H. P. Kean, of Illinois Wesleyan University, has been appointed assistant professor of mathematics at Wittenberg College, Springfield, Ohio.

At Purdue University, Mr. T. E. Raiford has been granted a year's leave of absence; Dr. W. E. Edington has been promoted to an assistant professorship.

At the University of Georgia, Associate Professor D. F. Barrow has been promoted to a full professorship.

Mr. E. F. Weinberg has been appointed head of the department of mathematics at Rollins College, Winter Park, Florida.

Professor C. H. Richardson, of Georgetown College, Kentucky, has been granted leave of absence for the current year, and is studying at the University of Michigan. Mr. Guy Stevenson is acting for the year as professor and head of the department.

Associate Professor S. Lefschetz, of the University of Kansas, has been promoted to a full professorship of mathematics.

Mr. A. S. Hathaway has been appointed professor of mathematics at Friends University, Wichita, Kansas.

At Iowa State College, Assistant Professor E. C. Keifer has resigned to become head of the department of mathematics at James Millikin University.

Professor D. A. Lehman, of Goshen College, has been appointed professor of mathematics at Bluffton College.

At the Colorado Agricultural College, Mr. C. W. Young has been promoted to an assistant professorship, and Mr. A. G. Clark, instructor in mathematics at the University of Wyoming, has been appointed to an assistant professorship.

Associate Professor J. W. Calhoun, of the University of Texas, has been promoted to a full professorship of applied mathematics.

Mr. W. M. Whyburn, of the University of Texas, has been appointed professor of mathematics at South Park College.

The following have been appointed instructors in mathematics:
Carnegie Institute of Technology, Mr. J. H. Simester;
Colgate University, Messrs. J. C. Polley and G. O. Hohl;
Dalhousie University, Dr. F. H. Murray;
University of Georgia, Messrs. F. Cumming and E. M. Everett;
Georgia School of Technology, Messrs. T. P. Branch, J. G. Griffin,
J. G. Evans, W. W. Purks, J. W. Taylor;
Hamline University, Mr. E. L. Michelson;
Iowa State College, Mr. B. A. Rogers;
University of Kentucky, Messrs. T. Andrew and J. N. Nixon;
Purdue University, Mr. C. E. Barr;
Rockford College, Miss Martha P. McGavock;
University of South Carolina, Mr. S. T. Sparkman;
Texas Agricultural and Mechanical College, Mr. H. A. Robinson.

Lady Shaw, wife of Sir Napier Shaw, died September 22, 1923. She was at one time lecturer in mathematics at Newnham College, Cambridge.

Professor Malcolm McNeill, who had been head of the department of mathematics at Lake Forest College for thirty-five years, died suddenly October 5, 1923.

Professor H. F. Stecker, of Pennsylvania State College, died October 30, 1923, at the age of fifty-six years. Professor Stecker had been a member of the American Mathematical Society since 1894.