

## NOTES

The third number of volume 26 of the TRANSACTIONS OF THIS SOCIETY (July, 1924) contains the following papers: *The general theory of a class of linear partial  $q$ -difference equations*, by C. R. Adams; *The summability of the triple Fourier series at points of discontinuity of the function developed*, by B. M. Eversull; *An unusual type of expansion problem*, by M. H. Stone; *On the independence of principal minors of determinants*, by E. B. Stouffer; *A necessary and sufficient condition that two surfaces be applicable*, by W. C. Graustein and B. O. Koopman; *Extensions of relative tensors*, by O. Veblen and T. Y. Thomas; *Geometries of paths for which the equations of the paths admit a quadratic first integral*, by L. P. Eisenhart; *A general mean-value theorem*, by D. V. Widder.

The concluding number of volume 26 of the TRANSACTIONS OF THIS SOCIETY (October, 1924) contains: *Algebras which do not possess a finite basis*, by J. H. M. Wedderburn; *Determination of all the prime power groups containing only one invariant subgroup of every index which exceeds this prime number*, by H. A. Bender; *Invariants of the linear group modulo  $\pi = p_1^{\lambda_1} p_2^{\lambda_2} \cdots p_n^{\lambda_n}$* , by C. Gouwens; *A uniqueness theorem for Legendre and Hermite polynomials*, by K. P. Williams; *A new type of class number relations*, by E. T. Bell; *A new method in the equivalence of pairs of bilinear forms*, by R. G. D. Richardson; *Relative extrema of pairs of quadratic and hermitian forms*, by R. G. D. Richardson.

The concluding number of volume 46 of the AMERICAN JOURNAL OF MATHEMATICS (October, 1924) contains: *A general class of problems in approximation*, by D. Jackson; *On a rational plane quintic curve with four real cusps*, by P. Field; *Projective properties of a ruled surface in the neighborhood of a ruling*, by A. F. Carpenter; *Complete characterization of dynamical trajectories in  $n$ -space*, by L. M. Kells; *Rods of constant or variable cross section*, by C. A. Garabedian.

The first of the CARUS MATHEMATICAL MONOGRAPHS (see this BULLETIN, vol. 28, p. 74) has been published recently by the Open Court Publishing Company under the auspices of the Mathematical Association of America. The general purpose of this series is to contribute to the dissemination of mathematical knowledge. The present volume, a book of 189 pages, is by Professor G. A. Bliss on the topic *Calculus of Variations*; it will be reviewed promptly in this BULLETIN. Members of the Association may secure it at a reduced price through the

Secretary, Professor W. D. Cairns. It is announced that a second monograph, by Professor D. R. Curtiss on *Functions of a Complex Variable*, will appear in the near future.

The University of London has awarded its Sir John William Lubbock memorial prize in mathematics to Miss E. M. Jones, of Royal Holloway College.

On October 5, 1924, a tablet was unveiled at the birthplace of Charles Hermite, at Dieuze, France. Professors Henri Andoyer and Émile Picard represented the Paris Academy of Sciences at the ceremony.

Professor R. Weitzenböck, of the University of Amsterdam, has been elected a member of the Amsterdam Academy of Sciences.

Professor A. V. Vassilief, formerly of the Universities of Kazan and Petrograd, celebrated on December 12, 1924, the fiftieth anniversary of his entrance into teaching. Professor Vassilief was president of the Physico-Mathematical Society of Kazan at the time of the celebration of the centenary of Lobachevsky and the foundation of the Lobachevsky prize.

On the occasion of the meeting of the British Association for the Advancement of Science and the Mathematical Congress, the University of Toronto conferred honorary degrees on Sir David Bruce, Professor G. Koenigs, Sir Charles Parsons, Sir John Russell, Sir Ernest Rutherford (as announced in an earlier issue of this Bulletin), and Professors F. Severi, V. Stekloff, and C. de la Vallée Poussin.

The one hundredth anniversary of the announcement by Sadi Carnot of the second law of thermodynamics was celebrated in New York City under the auspices of the Engineering Foundation, on December 4, 1924. Addresses were delivered by Professor M. I. Pupin, of Columbia University, and Dr. W. L. Emmet, of the General Electric Company, on *Carnot's principle*.

On the occasion of the centenary of the Franklin Institute, the University of Pennsylvania conferred honorary degrees on Sir W. H. Bragg, Mr. W. C. L. Eglin, Dr. Charles Fabry, Sir Charles Parsons, Dr. E. W. Rice, Jr., and Dr. Pieter Zeeman.

The General Electric Company has appropriated to Union College a fund of \$25,000 in memory of Dr. C. P. Steinmetz. The income is to be used for scholarships.

The Rensselaer Polytechnic Institute, of Troy, the oldest school of science and engineering in any English-speaking country, celebrated on October 3-4, 1924, the centenary of its foundation. Dr. G. A. Campbell, of the American Telephone and Telegraph Company, represented the American Mathematical Society at the ceremonies. On this occasion

the Institute conferred the honorary degree of doctor of science on Professor A. A. Michelson, president of the National Academy of Sciences.

Professor A. A. Michelson was appointed one of the official representatives of the United States at the third Pan-American Congress, held at Lima, Peru, December 20, 1924—January 6, 1925. The delegates of the American Mathematical Society to this congress were Professors E. V. Huntington and D. N. Lehmer (see this BULLETIN, vol. 30, p. 566), but Professor Lehmer was unable to attend.

Professor A. Einstein will deliver a series of lectures on relativity at Buenos Aires in the spring of 1925, at the invitation of various Argentine scientific bodies.

Professor A. N. Whitehead, of Harvard University, will deliver a series of lectures on *Science and the modern world* under the auspices of the Lowell Institute, of Boston, beginning February 2, 1925.

Professor E. G. Bill, of Dartmouth College, has been appointed chairman of a committee created by the College Entrance Examination Board to consider the desirability of psychological tests to be given by that board.

Dr. Gustav Doetsch, of the University of Halle, has been called to a professorship at the Stuttgart Technical School.

Professor H. A. Wilson, of Rice Institute, has been appointed professor of natural philosophy at Glasgow University.

At St. Olaf College, Northfield, Minnesota, Professor Martin Nordgaard, formerly head of the department of mathematics at Antioch College, has been appointed professor and head of the department of mathematics, and Mr. Arthur Solum of the University of Minnesota has been appointed assistant professor.

At Union University, Schenectady, Professor S. A. Rowland and Mr. L. A. DeRonde have been granted leave of absence and are studying at Chicago and Harvard, respectively.

Mr. G. F. Abrich has been appointed assistant professor of mathematics at Des Moines University.

Dr. G. N. Bauer, has been appointed associate professor of mathematics at the University of New Hampshire.

Professor F. P. Brackett of Pomona College has been granted leave of absence for the first semester of 1924-1925, and is travelling in Europe.

Assistant Professor F. W. Bubb, of Washington University, St. Louis, is on leave of absence for the academic year 1924-1925 and is studying at the University of Chicago as a Research Council fellow in physics.

Miss Mary Campbell, of the University of Texas, has been appointed professor and head of the department of mathematics at South Park Junior College.

Assistant Professor L. J. Comrie of Swarthmore College has accepted a position in the observatory at Northwestern University.

Mr. Victor Doshkess, of Lafayette College, has been promoted to an assistant professorship of mathematics.

Mr. H. K. Fulmer, of the Georgia School of Technology, has been promoted to an assistant professorship of mathematics.

Dr. G. W. Hess has been appointed professor of mathematics and head of the department at Union University, Jackson, Tennessee.

At Lehigh University, Professor P. A. Lambert has been made head of the department of mathematics and astronomy.

Mr. W. H. Lyon has been appointed assistant professor of mathematics at the Kansas State Agricultural College.

Professor H. B. Mitchell, of Columbia University, has resigned to enter business.

Mrs. R. B. Montgomery, of Lynchburg College, has been promoted to an assistant professorship of mathematics.

Miss Inez Morris has been appointed assistant professor of mathematics at the Indiana State Normal School, Terre Haute.

Dr. J. O. Osborn, of Cornell University, has been appointed teacher of mathematics at Harris Teachers College, St. Louis.

Dr. W. P. Ott, of Vanderbilt University, has been appointed head of the department of mathematics at the University of Alabama.

Dr. G. T. Pugh has been appointed professor of mathematics at Winthrop College.

At Catholic University, Associate Professor O. J. Ramler has been promoted to a full professorship of mathematics.

Mr. P. L. Rea, of Marietta College, has been promoted to an assistant professorship of mathematics.

Professor J. E. Rowe, of the College of William and Mary, has been made Director of Extension.

Mr. C. A. Rupp, of Hamline University, has been appointed adjunct professor of mathematics at the University of Texas.

Mr. J. H. Synnerdahl, of Lake Forest College, has been appointed assistant professor of mathematics at Park College, Parkville, Missouri.

Dr. J. S. Taylor, of the Massachusetts Institute of Technology, has been appointed assistant professor of mathematics at the University of Pittsburgh.

Miss Velma Tisdale, of Southwestern University, Georgetown, Texas, has been promoted to an assistant professorship of mathematics.

Mr. W. M. Whyburn, of South Park Junior College, has been

appointed assistant professor of mathematics at the Agricultural and Mechanical College of Texas.

Dr. R. L. Wilder, of the University of Texas, has been appointed assistant professor of mathematics at Ohio State University.

Mr. W. L. Williams has been appointed adjunct professor at the University of South Carolina.

Professor Helge von Koch, of the University of Stockholm, died March 11, 1924.

The death is announced of Professor August Föppl, of the Munich Technical School, in his seventy-first year.

Professor Karl Wieghardt, of the Dresden Technical School, died June 11, 1924, at the age of fifty.

Mr. F. H. Bradley, fellow of Merton College, Oxford, and writer on logic and philosophy, died September 18, 1924, at the age of seventy-eight.

Dr. J. E. Campbell, F. R. S., fellow and tutor of Hertford College, Oxford, and mathematical lecturer at University College, Oxford, died October 1, 1924.

Professor C. B. Austin, of Ohio Wesleyan University, died September 9, 1924, at the age of seventy-three.

Professor E. L. Larkin, director of Mount Lowe Observatory, died October 11, 1924, at the age of seventy-seven.

The following have been appointed instructors in mathematics:

Athens College (Georgia), Miss Nancy L. Moorefield;  
 Brown University, Mr. F. C. Jonah;  
 University of Buffalo, Mr. H. D. Highet;  
 Case School of Applied Science, Mr. J. E. Merrill;  
 Georgia School of Technology, Messrs. G. S. Bruton, G. W. Nicholson,  
 L. K. Patton, H. H. Pixsley, D. P. Richardson;  
 Hamline University, Mr. E. D. Wells;  
 University of Kansas, Mr. R. H. Marquis;  
 Lehigh University, Mr. C. A. Balof;  
 University of Maine, Mr. E. H. Hadlock;  
 Mercer University, Messrs. C. H. Berryman and J. L. Talley;  
 University of Michigan, Messrs. W. C. Green, A. P. Maslow; J. A. Shohat,  
 G. S. Van Fleet;  
 Purdue University, Mr. J. C. Bennett;  
 University of South Carolina, Mr. R. L. Jones;  
 Southwestern University, Georgetown, Texas, Mr. J. C. Chaney;  
 Swarthmore College, Mr. D. B. McLaughlin;  
 University of Texas, Miss Elizabeth T. Stafford;  
 Union University (Schenectady), Messrs. L. W. Hussey and E. E. Steinert;  
 Washington State College, Miss Eleanor E. Boyd;  
 Washington University (St. Louis), Messrs. H. R. Grumann and E. H. Lund;  
 College of William and Mary, Miss Elizabeth Mercer;  
 University of Wisconsin, Mr. H. S. Pollard;  
 Wofford College, Mr. W. C. Herbert.