

NOTES

The April, 1927, number of the American Journal of Mathematics (volume 49, No. 2) contains the following papers: *A class of functions harmonic within the sphere*, by H. E. Bray and G. C. Evans; *Notes on formal modular protomorphs*, by O. C. Hazlett; *Irreducible continuous curves*, by H. M. Gehman; *The plane quintic with five cusps*, by M. Lehr; *The convergence of general means and the invariance of form of certain frequency functions*, by E. L. Dodd; *On the interpolatory properties of a linear combination of continuous functions*, by D. V. Widder; *Note on Tschebycheff approximation*, by D. V. Widder; *Generalization of Waring's theorem on fourth, sixth, and eighth powers*, by L. E. Dickson; *On complete systems of irrational invariants of associated point sets*, by C. M. Huber; *Regular maps and their groups*, by H. R. Brahana; *The groups belonging to a linear associative algebra*, by A. Ranum.

The July, 1927, number of the Annals of Mathematics (series 2, volume 28, No. 3) contains: *Sextic surfaces with a double septic curve*, by B. C. Wong; *Determination of a basis for the integral elements of certain generalized quaternion algebras*, by M. D. Darkow; *Expansions in Bessel functions*, by M. H. Stone; *On the Green's function for systems of differential equations*, by W. M. Whyburn; *On Lamé families of surfaces*, by C. E. Weatherburn; *Derivation of the Fredholm theory from a differential equation of infinite order*, by H. T. Davis; *Asymptotic expression for the probability of trials connected in a chain*, by E. D. Pepper; *On certain indefinite quaternary forms representing all integers*, by C. G. Latimer; *Application of algebraic number theory to congruences involving binomial coefficients*, by H. S. Vandiver; *Ternary quadratic forms and congruences*, by L. E. Dickson; *Correspondences between algebraic curves*, by S. Lefschetz; *On the existence and properties of the solutions of a certain differential equation of the second order*, by T. H. Gronwall; *A new definition of almost periodic functions*, by N. Wiener; *A theory of integers, in relation to the iteration of algebraic functions*, by O. E. Glenn; *On systems of total differential equations*, by J. M. Thomas; *On positive solutions of a system of linear equations*, by L. L. Dines; *On completely signed sets of functions*, by L. L. Dines; *Concerning continuous curves and correspondences*, by W. L. Ayres.

The British Association for the Advancement of Science met at Leeds, August 31–September 7, 1927. Professor E. T. Whittaker presided over Section A (mathematical and physical sciences); his address was entitled *The outstanding problems of relativity*.

Cambridge University has awarded its Mayhew prize in applied mathematics to J. Hargreaves, of Clare College, and its Ricardo prize in thermodynamics to J. N. Goodier, of Downing College.

The James Scott prize of the Royal Society of Edinburgh, for the period 1922–1926, "for a lecture or essay on the fundamental concepts of natural philosophy," has been awarded to Sir Joseph Larmor.

Professors A. Einstein, of Berlin, O. Hölder, of Leipzig, F. Schur, of Breslau, and E. Study, of Bonn, have been elected corresponding members of the Bavarian Academy of Sciences.

Professor P. Koebe, of Leipzig, has been elected a member of the Saxon Academy of Sciences.

Dr. Fridjof Nansen, professor of oceanography at the University of Oslo, has been elected a corresponding member of the Prussian Academy of Sciences in the section of mathematical physics.

The Technical School at Darmstadt has conferred an honorary doctorate of engineering on Professor G. Scheffers, of the Berlin Technical School, on the occasion of his sixtieth birthday.

Professor Charles Fabry, director of the institute of optics of the University of Paris, has been elected a member of the Paris Academy of Sciences in the section of physics, as successor to the late Daniel Berthelot.

Professors N. Bohr and A. Einstein have been elected foreign honorary fellows of the Royal Society of Edinburgh.

On the occasion of the meeting of the British Association at Leeds, the University of Leeds conferred an honorary doctorate of science on Professor R. A. Millikan, of the California Institute of Technology.

Professor G. H. Hardy, of Oxford University, has been elected foreign associate of the National Academy of Sciences.

Professor J. S. Ames, of Johns Hopkins University, has been elected chairman of the National Advisory Committee on Aeronautics.

Professor F. R. Moulton has been elected a member of the executive board of the National Research Council.

Dr. Irwin Schrödinger, of the University of Zurich, has been called to the University of Berlin, as successor to Professor Max Planck.

The following have been admitted as private docents in German universities: F. Lettenmeyer, at Munich; B. L. van der Waerden, at Göttingen.

M. Bachelier, of the University of Rennes, has been appointed professor of the differential and integral calculus at the University of Besançon.

Dr. T. M. MacRobert, of the University of Glasgow, has been promoted to a professorship of mathematics.

Mr. L. A. Pars, of Jesus College, and Mr. H. A. Newman, of St. John's College, have been elected university lecturers in mathematics at Cambridge.

Mr. H. E. Arnold has been promoted to an assistant professorship at Wesleyan University.

Dr. Walter Bartke has been appointed assistant professor in mathematical astronomy at the University of Chicago.

Dr. R. W. Barnard has been appointed assistant professor of mathematics at the University of Chicago.

Dr. H. Y. Benedict, professor of applied mathematics and dean of the College of Arts and Sciences at the University of Texas, has been elected president of the University.

Mr. A. H. Blue, of the University of Iowa, has been elected professor of mathematics at West Union College.

Dr. C. C. Camp, of the University of Illinois, has been appointed associate professor of mathematics at the University of Nebraska.

Professor D. F. Campbell has resigned, and associate professor C. I. Palmer has been made professor of mathematics at the Armour Institute of Technology. Professor Palmer is also acting dean of students.

Mr. W. B. Campbell, of Cornell University, has been appointed assistant professor of mathematics at Colgate University.

Associate Professor Arnold Emch has been appointed professor of mathematics at the University of Illinois.

Assistant Professor W. L. Crum, of Harvard University, has been appointed professor of statistics in the Graduate School of Business, Stanford University.

Associate Professor H. J. Ettliger has been appointed professor of mathematics at the University of Texas.

Professor H. S. Everett, of Bucknell University, has been appointed extension professor of mathematics at the University of Chicago.

Assistant Professor M. C. Foster, of Williams College, has been appointed associate professor of mathematics at Wesleyan University.

Assistant Professor W. V. N. Garretson, of Rutgers University, has been appointed head of the department of mathematics at Ouachita College, Arkadelphia, Arkansas.

Assistant Professor Jewell C. Hughes, of the University of Arkansas, has been appointed associate professor of mathematics there.

Dr. C. H. Langford, of Harvard University, has been appointed assistant professor of philosophy at the University of Washington.

Mr. W. T. MacCreadie, of Cornell University, has been appointed assistant professor of mathematics at Bucknell University.

Dr. L. H. MacFarlan has been appointed assistant professor of mathematics at the University of Washington.

Dr. Florence M. Mears, of Cornell University, has been appointed professor of mathematics at Alabama College.

Dr. E. B. Miller, of the University of Wisconsin, has been appointed professor of mathematics at Illinois College, Jacksonville.

Mr. H. C. Schaub, of Cornell University, has been appointed assistant professor of mathematics at Washington and Jefferson College.

Dr. Marion E. Stark, of Wellesley College, has been appointed assistant professor of mathematics there.

Dr. J. M. Thomas has been appointed assistant professor of mathematics at the University of Pennsylvania.

Dr. V. A. Tam has been appointed professor of mathematics at the University of the Philippines.

Dr. W. J. Trjitzinsky has been appointed assistant professor of mathematics at the University of Valparaiso, Valparaiso, Indiana.

Assistant Professor L. A. H. Warren, of the University of Manitoba, has been appointed full professor of mathematics there.

Dr. Louis Weisner has been appointed assistant professor of mathematics at Hunter College.

Mr. P. D. Wilkins of Case School of Applied Science has been appointed assistant professor of mathematics at Bates College.

Dr. W. H. Wilson, of the University of Iowa, has been appointed associate professor of mathematics at the University of Florida.

The following appointments to instructorships in mathematics are announced:

- University of Akron, Ohio, Mr. Samuel Silberfarb;
- University of Arkansas, Mr. C. R. Worth;
- University of Chicago, Dr. F. R. Bamforth;
- Cornell University, Messrs. E. H. Hadlock, R. L. Jeffery, P. W. Swingle,
- C. C. Torrance, and F. G. Williams;
- University of Florida, Mr. C. A. Messick;
- Hunter College, Miss Mary V. Kenny, Dr. Louis Weisner;
- Illinois State Teachers College, Miss Gladys H. Freeman;
- Johns Hopkins University, Mr. Howard Pixley;
- Northwestern University, Dr. Lois W. Griffiths;
- Oklahoma Agricultural and Mechanical College, Mr. H. C. Billings;
- Pennsylvania State College, Dr. Marguerite Darkow, and Miss Marie Johnson;
- University of Rochester, Dr. Raymond Garver;
- Rutgers College, Messrs. M. G. Boyce and C. R. Wilson;
- Stanford University, Miss Rosa L. Jackson;
- Wells College, Miss Ethel I. Moody;
- Junior College at Jefferson City, Miss Frances Baker.

Professor G. Mittag-Leffler, of the University of Stockholm, founder and editor of *Acta Mathematica*, died July 12, 1927, at the age of eighty-one.

Dr. Albert Gockel, professor of cosmic physics at the University of Freiburg, Switzerland, died March 4, 1927.

Dr. Anton Wassmuth, professor of mathematics at the University of Graz, has died, at the age of eighty-two.

Mr. A. C. Bose, controller of examinations at Calcutta University, died December 11, 1926. Mr. Bose had been a member of the American Mathematical Society since 1916.

Dr. William Burnside, formerly professor of mathematics at the Royal Naval College, Greenwich, died August 21, 1927, at the age of seventy-five.

Dr. I. B. Crandall, of the Bell Telephone Laboratories, died April 22, 1927, at the age of thirty-six.

Dr. G. A. Hill, senior astronomer of the Naval Observatory, died August 29, 1927, at the age of sixty-nine.

Professor H. D. Thompson, of Princeton University, has died, at the age of sixty-three. Professor Thompson had been a member of the American Mathematical Society since 1897.