

NOTES

The April, 1927, number of the *Annals of Mathematics* ((2), vol. 28, No. 2) contains the following papers: *Some relations between a continuous curve and its subsets*, by H. M. Gehman; *Transformations of one principal equation into another*, by R. Garver; *On related maxima and minima*, by N. Miller; *On Fredholm's integral equations, whose kernels are analytic in a parameter*, by J. D. Tamarkin; *On the existence of the absolute minimum in space problems of the calculus of variations*, by L. M. Graves; *The mixed mean function*, by C. A. Shook; *The focal point for the problem of Lagrange with one variable end point*, by L. H. McFarlan; *Differential invariants of affinely connected manifolds*, by T. Y. Thomas and A. D. Michal; *Linear congruences in a general arithmetic*, by H. L. Olson; *Note on a differential equation*, by J. M. Thomas; *On the class of a covariant tensor*, by J. W. Alexander.

The Deutsche Mathematiker-Vereinigung, the Gesellschaft für angewandte Mathematik und Mechanik, the Deutsche Physikalische Gesellschaft, and the Gesellschaft für Technische Physik will meet together at Kissingen in September, 1927.

The International Geodetic and Geophysical Union will meet at Prague, September 3–10, 1927. Dr. William Bowie and Mr. W. D. Lambert, of the Coast and Geodetic Survey, have been appointed as delegates of the United States by the president of the National Academy of Sciences and the chairman of the National Research Council.

Professor Edmund B. Wilson has been elected president of the American Academy of Arts and Sciences.

The Reale Accademia dei Lincei has conferred its royal prize in mathematics on Professor Leonida Tonelli of the University of Bologna. One of the prizes founded by the (Italian) Ministry of Public Instruction has been awarded to Professor Enea Bortolotti, of the Reale Liceo Artistico di Bologna.

The Belgian Academy announces the following subject for its prize in mathematics in 1928: *A contribution to the theory of quasi-analytic functions*. Competing memoirs should reach the Academy by August 1, 1928.

Dr. L. Prandtl, professor of applied mathematics at the University of Göttingen, has been awarded the gold medal of the Royal Aeronautical Society, in recognition of his work in aerodynamics.

The Franklin Institute has awarded Franklin Medals and certificates of honorary membership to Professor Max Planck, of the University of Berlin, and to Dr. G. E. Hale, honorary director of the Mount Wilson Observatory.

The University of Münster has conferred an honorary doctorate on Johann Georg Hagen, director of the Vatican Observatory, on the occasion of his eightieth birthday.

Professors A. S. Eddington, of Cambridge University, and G. H. Hardy, of Oxford University, have been elected corresponding members of the Bavarian Academy of Sciences.

Professors A. Einstein, A. A. Michelson, G. Mittag-Leffler, and W. Nernst, and Madame Curie have been elected honorary members of the Russian Academy of Sciences.

Awards from the Heckscher Fund at Cornell University have been made to Professor J. I. Hutchinson, for the salary of an assistant to spend part of his time on the study of properties of functions defined by certain Dirichlet series, and to Professor Arthur Ranum, for an assistant to spend part of his time on the study of the principles of duality in the differential geometry of surfaces and curves.

Dartmouth College has conferred honorary doctorates on President Max Mason, of the University of Chicago, Professor F. P. Brackett, of Pomona College, and Professor D. C. Miller, of the Case School of Applied Science.

The University of Wisconsin has conferred the honorary degree of doctor of science on Professor G. D. Birkhoff, of Harvard University.

Princeton University has conferred the honorary degree of doctor of science on Professor A. A. Michelson, of the University of Chicago.

Professor E. H. Moore, of the University of Chicago, has received the honorary degree of doctor of science from the University of Kansas and from Northwestern University.

President G. D. Olds, of Amherst College, has received an honorary doctorate of laws from Wesleyan University.

Brown University and the University of Rochester have conferred honorary doctorates on Professor M. I. Pupin, of Columbia University.

Yale University has conferred the honorary degree of doctor of science on Professor A. N. Whitehead, of Harvard University.

The University of Michigan has conferred the degree of doctor of science on Professor emeritus Alexander Ziwet, of that University.

Professor Svante Arrhenius, director of the Nobel Institute for Physical Chemistry, has retired.

Dr. Wolfgang Krull, of the University of Freiburg i. Br., has been promoted to an associate professorship of mathematics.

Dr. Josef Lense, of the University of Vienna, has been appointed **associate professor of applied mathematics** at the Munich Technical School.

Professor Arnold Sommerfeld, of the University of Munich, has been called to the chair of theoretical physics at the University of Berlin, as successor to Professor Max Planck, retired.

Professor A. Lafay, of the Ecole Polytechnique, has been appointed *maitre de conférences* in mathematics at the Institut National Agro nomique.

Professor H. Villat, of the University of Strasbourg, has been appointed to the newly established chair of the mechanics of fluids at the Sorbonne.

Mr. A. S. Besicovitch, of the University of Leningrad, has been appointed university lecturer in mathematics at Cambridge University for a term of three years.

A fellowship in mathematics of \$1,000 annually has recently been established at Brown University by Mr. H. D. Sharpe.

Assistant Professor L. C. Bagby, of the University of South Dakota, has been appointed professor of mathematics at the Linsly Institute of Technology.

Professor L. S. Dederick, of St. Stephen's College, has been appointed mathematician at the Aberdeen Proving Ground.

Assistant Professor W. W. Elliott has been promoted to a professorship of mathematics at Duke University.

Dr. P. A. Fraleigh has been appointed assistant professor of mathematics at the University of Vermont.

Assistant Professor G. I. Gavett has been promoted to an associate professorship of mathematics at the University of Washington.

Assistant Professor Howard Justice has been appointed associate professor at the University of Cincinnati.

Associate Professors J. H. Kindle and Edward S. Smith have been promoted to professorships of mathematics at the University of Cincinnati.

Professor P. H. Linehan, of the College of the City of New York, has been made Director of the Evening Session and of the Division of Vocational Studies.

Miss Muriel Metz has been promoted to an assistant professorship of mathematics at the University of Cincinnati.

Mr. T. H. Milne has been appointed assistant professor of mathematics at the University of Manitoba.

Dr. H. H. Neelley, of Yale University, has been appointed associate professor of mathematics at the Carnegie Institute of Technology.

Dr. C. A. Nelson, of Johns Hopkins University, has accepted a position at Rutgers University.

Dr. B. P. Reinsch, of the University of Illinois, has been appointed associate professor of mathematics at the Southern Methodist University.

Assistant Professor E. E. Whitford, of the College of the City of New York, has been promoted to an associate professorship of mathematics.

Dr. H. A. Zinszer, of the Mississippi State College for Women, has been appointed professor of mathematics at Hanover College.

The following appointments as instructor in mathematics are announced:

Columbia University, Dr. R. G. Archibald (associate), Mr. Joseph Feld, Dr. B. O. Koopman, Mr. H. W. Raudenbush, Dr. P. A. Smith, Mr. G. C. Vedova;

Kenyon College, Mr. Benedict Williams;

Northwestern University, Mr. H. L. Garabedian;

Yale University, Mr. T. C. Benton.

Dr. Wilhelm Ahrens, author of books on mathematical recreations, died at Rostock, April 23, 1927.

Dr. Felix Auerbach, professor of theoretical physics at the University of Jena, is dead.

Dr. Ludwig Burmester, formerly professor of mathematics at the Munich Technical School, is dead.

Dr. Viktor Eberhard, associate professor of mathematics at the University of Halle, is dead.

Dr. Ludwig Maurer, formerly professor of mathematics at the University of Tübingen, died January 10, 1927.

Dr. F. Thieme died March 9, 1926, at the age of seventy-three.

Dr. Anton Gmeiner, professor of mathematics at the University of Innsbruck, died January 11, 1927.

Dr. Ludwig Grossmann, of Vienna, is dead.

Dr. Alois Walter, professor of mathematics at the Montanistische Hochschule at Leoben, is dead.

Professor Giuseppe Bagnera, of the University of Rome, died May 13, 1927.

Mr. G. L. Cathcart, fellow of Trinity College, Dublin, and editor of Salmon's mathematical works, died March 26, 1927.

Professor W. G. Bullard, of Syracuse University, died February 16, 1927. Professor Bullard had been a member of the American Mathematical Society since 1899.

Professor W. W. Johnson, of the United States Naval Academy, died May 14, 1927, at the age of eighty-three. Professor Johnson had been a member of the American Mathematical Society since 1891.