

NOTES

At the Summer Meeting of the Society in Columbus, the Council of the Society authorized the officers of the Society to enter into negotiations with the authorities of the Johns Hopkins University with a view toward the participation of the Society in the conduct and publication of the AMERICAN JOURNAL OF MATHEMATICS. These negotiations have progressed favorably, and it is hoped that a final arrangement may be announced at the time of the Christmas Meeting in Philadelphia. Although both the TRANSACTIONS and the BULLETIN have been increased in size to approximately 800 pages each, the volume of mathematical papers suitable for publication has so increased that further means of publication must be sought, and an increase in the size of the AMERICAN JOURNAL, which may be realized through the aid of the Society, seems a suitable and a desirable means to this end.

The List of Officers and Members of the American Mathematical Society, 1926, was published as a supplement to the September-October issue of this BULLETIN (vol. 32, No. 5). In addition to the usual lists, it contains a *Historical Note* (pp. 6-7) that places on record for the first time some of the details concerning the formation of the Society and some of the more significant events of its history. The supplement contains also an account of the Prize Funds of the Society, the By-Laws of the Society, and the reports of the Treasurer for 1924 and 1925.

The third number of volume 28 of the TRANSACTIONS OF THIS SOCIETY (July, 1926) contains the following papers: *Double binary forms with the closure property*, by A. B. Coble; *On a class of polynomials in the theory of Bessel's functions*, by J. H. McDonald; *On the zeros of the function $\beta(z)$ associated with the gamma function*, by T. H. Gronwall; *Osculating curves and surfaces*, by P. Franklin; *On Laplace's integral equations*, by J. D. Tamarkin; *On Volterra's integro-functional equation*, by J. D. Tamarkin; *On the discriminant of ternary forms and a certain class of surfaces*, by A. Emch; *On the convergence of certain methods of closest approximation*, by E. Carlson; *Functions of plurisegments*, by A. J. Maria; *Sets of postulates for the logic of propositions*, by B. A. Bernstein; *Multiple sheeted spaces and manifolds of states of motion*, by H. Hotelling; *A theory of a general net on a surface*, by V. G. Grove; *Cubic curves and desmic surfaces*, by R. M. Mathews; *Expansion problems in connection with homogeneous linear q -difference equations*, by M. G. Carman; *Some properties of limited continua, irreducible between two points*, by W. A. Wilson; *Application of the theory of relative cyclic fields to both cases of Fermat's last theorem*, by H. S. Vandiver.

The third number of volume 48 of the AMERICAN JOURNAL OF MATHEMATICS (July, 1926) contains: *On the structure of a continuum, limited and irreducible between two points*, by W. A. Wilson; *The expansion problem*

for a certain system of ordinary linear second order differential equations, by M. G. Carman; *The distribution of the lift over thin wing sections*, by C. A. Shook; *The correspondence between the tangent plane of a surface and its point of contact*, by E. P. Lane; *On multiple iterated integrals*, by H. J. Ettlinger; *Cubic involutions and a C_3* , by H. S. White.

The concluding number of volume 27, series 2, of the ANNALS OF MATHEMATICS (September, 1926) contains: *On classes of ideals in a quadratic field*, by H. H. Mitchell; *Developments in Legendre polynomials*, by M. H. Stone; *On certain two-dimensional varieties of order $r(r-1)/2$ in r -space and certain curves traced on them*, by B. C. Wong; *On class number relations implied by representations as sums of an odd number of squares*, by E. T. Bell; *Table of quadratic residues*, by A. A. Bennett; *Anharmonic groups*, by A. S. Hathaway; *Some general determinant theorems in tensor notation*, by C. M. Cramlet; *Some conditions under which a continuum is a continuous curve*, by H. M. Gehman; *Successive derivatives of a function of several functions*, by L. S. Dederick; *Plane cubic curves in the Galois field of order 2*, by A. D. Campbell; *On certain determinant relations*, by W. H. Metzler; *On the decomposition of tensors*, by J. W. Alexander; *Flow in a Möbius strip*, by B. O. Koopman; *A class of reciprocal functions*, by E. Hille; *Some extensions of the generalized Kronecker symbol*, by J. J. Nassau; *On the indeterminate equation $x^2 - p^2 Du^2 = 1$* , by D. H. Lehmer; *The operations of Boolean algebras*, by O. Frink; *A proof of Petersen's theorem*, by O. Frink; *Geometry of a set of n functions*, by L. Ingold; *Irregular fields*, by E. T. Bell; *On the approximate solution of the integro-differential equations of mathematical physics*, by N. Kryloff; *A new proof of Parseval's identity for trigonometric functions*, by J. Tamarkin; *Tensors whose components are absolute constants*, by T. Y. Thomas; *Some convergence proofs in the vector analysis of function space*, by D. Jackson; *Harmonic cubics*, by T. R. Hollcroft.

It has been decided to hold the next International Mathematical Congress at Bologna, in 1928.

The British Association for the Advancement of Science held its summer meeting of 1926 at Oxford, under the presidency of the Prince of Wales. On this occasion the University of Oxford conferred honorary doctorates on Professor Niels Bohr, Sir Frank W. Dyson, and Professors A. S. Eddington, Vito Volterra, and Wilhelm Wien. The Association will hold its next summer meeting at Leeds, August 31-September 7, 1927.

Cambridge University has awarded its John Winbolt prize jointly to H. Bateman, of Trinity College, and R. J. Smith, of St. John's College, for a theoretical investigation of some elastic problems in thin rectangular plates.

The New York Academy of Sciences offers a prize (the A. Cressy Morrison Prize) to be awarded in December, 1926, for an essay on the intra-atomic activity of the sun.

Recent elections to the section of mathematics of the Reale Accademia dei Lincei are the following: Professor F. Severi, of the University of

Rome, to national membership; Professor G. Scorza, of the University of Naples, to corresponding membership; Professor E. Cartan, of the University of Paris, to foreign membership.

Professor G. Fubini, of the University of Turin, has been elected a fellow of the Italian Society of Sciences.

Professors E. Laura, of the University of Padua, and A. dell'Agnola, of the Higher Commercial School of Venice, have been elected corresponding members of the Reale Istituto Veneto.

Professor A. Palatini, of the University of Pavia, has been elected a corresponding member of the Reale Istituto Lombardo.

Professor Peter Debye, of the Zurich Technical School, has been elected a member of the Danish Academy of Sciences.

Professor Arnold Sommerfeld has been elected an honorary member of the Manchester Literary and Philosophical Society.

Kenyon College has conferred the honorary degree of doctor of laws on Professor M. I. Pupin, of Columbia University.

The Institute of International Education (522 Fifth Avenue, New York City) will award a certain number of fellowships for the year 1927-28 for study in France (American Field Service Fellowships) and for study in Germany (American German Student Exchange Fellowships). For the French fellowships, applications should be addressed to Dr. Stephen P. Duggan, at the Institute, and should reach him by January 1, 1927; for the German fellowships, applications should be addressed to Mr. Carl J. Friedrich, at the Institute, and should reach him by February 15, 1927.

A mathematical institute has recently been endowed at the University of Jerusalem; it will be under the general direction of Professor E. Landau, of Göttingen. The Institute has acquired the library of the late Professor Felix Klein. Dr. B. Amira, of the University of Geneva, will be in charge of the courses in differential and integral calculus and in higher mathematics for students of chemistry.

Johns Hopkins University celebrated its fiftieth anniversary on October 22-23, 1926. Among the alumni who delivered addresses on this occasion were Professors A. B. Coble, of the University of Illinois, and L. P. Eisenhart, of Princeton University.

The following distinguished European mathematical physicists delivered lectures in various American universities in the fall of 1926: Professor H. A. Lorentz, of the University of Leyden, as visiting lecturer on the Schiff foundation; Professor Hermann Weyl, of the Zurich Technical School; Professor Theodor von Karmán, of the Aerodynamical Laboratories at Aachen, under the auspices of the Daniel Guggenheim Fund for the Promotion of Research in Aeronautics.

Dr. Albert Betz, of the University of Göttingen, has been promoted to an associate professorship of applied mathematics.

Dr. Robert Furch, of the Karlsruhe Technical School, has been appointed to an associate professorship of mathematics at the University of Rostock.

Professor P. Koebe, of the University of Jena, has been appointed professor of mathematics at the University of Leipzig.

Dr. Arpad Nadori, of the University of Göttingen, has been promoted to an associate professorship of mathematics.

Professor Ludwig Neder, of the University of Tübingen, has been appointed professor of mathematics at the University of Münster.

Professor Max Planck, of the University of Berlin, has retired.

Dr. Ludwig Schiller, of the University of Leipzig, has been promoted to an associate professorship of applied mathematics and thermodynamics.

Dr. Adolf Schlötzer, of the Munich Technical School, has been appointed professor of practical geometry and geodesy at the Karlsruhe Technical School.

Dr. Erich Schönberg, of the University of Breslau, has been promoted to an associate professorship of mathematics and astronomy.

Associate Professor Gabriel Szegö, of the University of Berlin, has been appointed professor of mathematics at the University of Königsberg.

Dr. Georg Wentzel, of the University of Munich, has been appointed associate professor of mathematical physics at the University of Leipzig.

Dr. E. Zermelo, professor emeritus of the University of Zurich, has been given the title of honorary professor at the University of Freiburg i. Br.

The following have been admitted as privat docents: Dr. Heinrich Behmann, at the University of Halle; Dr. Walther Mayer, at the University of Vienna.

Dr. Lucien Godeaux has been appointed professor of mathematics at the University of Liége, as successor to the late Professor J. Fairon.

Mr. A. E. Ingham, of Trinity College, Cambridge, has been appointed reader in mathematical analysis at the University of Leeds.

Professor L. D. Ames, of the Texas Technological College, has been appointed professor of mathematics at the University of Southern California.

Mr. C. F. Barr, of Purdue University, has been appointed assistant professor of mathematics at the University of Wyoming.

Dr. E. M. Berry, of Purdue University, has been appointed head of the department of mathematics at Lynchburg College.

Mr. E. C. Bower, of the United States Naval Observatory, has been appointed assistant professor of mathematics and astronomy at Ohio Wesleyan University.

Associate Professor Abraham Cohen, of Johns Hopkins University, has been promoted to a full professorship of mathematics.

Associate Professor H. B. Curtis, of Marquette University, has been appointed head of the department of mathematics at Lake Forest College.

Mr. D. C. Harkin has been appointed lecturer in mathematics at the University of Manitoba.

At Cornell University, Professor W. A. Hurwitz has been made chairman of the department of mathematics.

Miss Myra I. Johnson has been appointed professor of mathematics at Blackstone College for Women.

Mr. G. A. Lyle, of Lehigh University, has been appointed adjunct professor of mathematics at the Texas Technological College.

President G. D. Olds, of Amherst College, has resigned; he will continue in office until his successor has been appointed. President Olds was for many years professor of mathematics at Amherst.

Associate Professor H. R. Phalen, of the Armour Institute of Technology, has been appointed professor of mathematics at St. Stephen's College.

At the University of Wyoming, Professor O. H. Rechard has been made head of the department of mathematics.

Professor H. L. Rietz, of the University of Iowa, has been appointed actuary of the Pension Commission of Chicago, to investigate the pension systems of the city.

Professor L. V. Robinson, of Oklahoma City University, has been appointed adjunct professor of mathematics at the Texas Technological College.

Professor S. A. Rowland, of Union College, has been appointed professor of mathematics at Ohio Wesleyan University.

Associate Professor Mary E. Sinclair, of Oberlin College, has been promoted to a full professorship of mathematics.

Assistant Professor H. L. Smith, of the University of Minnesota, has been appointed assistant professor of mathematics at Louisiana State University.

Associate Professor F. W. Sparks, of Louisiana State Normal College, has been appointed associate professor of mathematics at the Texas Technological College.

Assistant Professor J. S. Turner, of Iowa State College, has been promoted to an associate professorship of mathematics.

Mr. A. H. Wait, of the University of Wisconsin, has been appointed adjunct professor of mathematics at the Texas Technological College.

The following appointments as instructor in mathematics are announced: Cornell University, Mr. A. G. Montgomery and Mr. H. L. Schug; Hunter College, Miss Laura Guggenbühl; Lehigh University, Mr. L. J. Paradiso and Mr. G. W. Riddle; Montana State School of Mines, Mr. Alexander Maslow; University of Nebraska, Mr. H. P. Doole; University of New Hampshire, Mr. M. R. Solt; New York University (Washington Square College), Miss Elizabeth Berger; Princeton University, Mr. M. S. Knebelman; Texas Technological College, Mr. P. K. Rees.

The death is announced of Dr. Alexander Beck-Ustni, formerly professor of astronomy and mathematics at the Riga Technical School.

The death is announced of Professor A. von Sourek, of the University of Sofia.

The death is announced of Professor Theodor Des Coudres, of the department of theoretical physics of the University of Leipzig.

Professor Adolf Krazer, of the Karlsruhe Technical School, died August 7, 1926, at the age of sixty-eight.

The death is announced of Dr. Bernhard Pattenhausen, formerly professor of geodesy and mathematics at the Dresden Technical School.

Dr. J. L. E. Dreyer, formerly director of Armagh Observatory, Ireland, died September 14, 1926, at the age of seventy-four. He was known for his work in the history of astronomy.

Sir Peter R. S. Lang, emeritus professor of mathematics at the University of St. Andrews, died July 5, 1926, at the age of seventy-five.

Dr. H. A. Howe, dean of the College of Liberal Arts of the University of Denver, and director of the Chamberlin Observatory of the University has died at the age of sixty-seven.

Professor W. J. Hussey, director of the observatory of the University of Michigan, died in London, October 28, 1926, at the age of sixty-four. Professor Hussey was en route to Bloemfontein, South Africa, to assist in the establishment of a university observatory station there.

Dr. F. E. Nipher, professor emeritus of physics at Washington University, died October 6, 1926, at the age of seventy-eight.

Mr. P. C. H. Papps, of the Mutual Benefit Life Insurance Company, Newark, died May 18, 1926. Mr. Papps was a member of the American Mathematical Society.

Professor G. H. Scott, dean of Illinois College, and formerly professor of mathematics at Yankton College, died September 12, 1926.

Dr. C. A. Waldo, professor emeritus at Washington University, died October 1, 1926, at the age of seventy-four.