

NOTES

The third Pan-American Scientific Congress will be held at Lima Peru, beginning December 20, 1924. The officers of Section II (Mathematical and Physical Sciences) are Vice-Admiral M. M. Carbajal, chairman, and Professor J. R. de la Puente, secretary. The chairman of Subsection 1 (Pure Mathematics, Rational Mechanics, Mathematical Physics) is Professor E. Villarán. Professors E. V. Huntington, of Harvard University, and D. N. Lehmer, of the University of California, have been appointed as the official delegates of the American Mathematical Society to the Congress, and will be in attendance.

The concluding number of volume 25 of the TRANSACTIONS OF THIS SOCIETY (October, 1923) contains the following papers: *Generalized limits in general analysis. Second paper*, by C. N. Moore; *The equilog transformations of euclidean space*, by B. H. Brown; *Invariant sets of equations in Riemann space*, by P. Franklin; *Some properties of spherical curves, with applications to the gyroscope*, by O. D. Kellogg; *The greatest and the least variate under general laws of error*, by E. L. Dodd; *The intersection numbers*, by O. Veblen; *The geometry of paths*, by O. Veblen and T. Y. Thomas. The opening number of volume 26 (January, 1924) contains: *An existence theorem for the characteristic numbers of a certain boundary value problem*, by H. T. Davis; *A theorem on the factorization of polynomials of a certain type*, by L. L. Dines; *A fundamental class of geodesics on any closed surface of genus greater than one*, by H. M. Morse; *The Hilbert integral and Mayer fields for the problem of Mayer in the calculus of variations*, by G. A. Larew; *Normal congruences and quadruply infinite systems of curves in space*, by J. Douglas; *The equivalence of certain regular transformations*, by L. L. Silverman; *Maclaurin expansion of the interpolation polynomial determined by $2n + 1$ evenly spaced points*, by G. Rutledge; *On covariants of linear algebras*, by C. C. MacDuffee; *A generalized problem in weighted approximation*, by D. Jackson.

The second number of volume 46 of the AMERICAN JOURNAL OF MATHEMATICS (April, 1924) contains: *Two-dimensional tensor analysis without coordinates*, by G. Y. Rainich; *Fractional operations as applied to a class of Volterra integral equations*, by H. T. Davis; *Representation of three-element algebras*, by B. A. Bernstein; *The Riemann adjoints of completely integrable systems of partial differential equations*, by C. A. Nelson; *Further types of involutorial transformations which leave each cubic surface of a web invariant*, by V. Snyder.

The opening number of volume 25, series 2, of the ANNALS OF MATHEMATICS contains: *The history of the notations of the calculus*, by F. Cajori; *New applications of a fundamental theorem of substitution groups*, by G. A. Miller; *Geodesic representation between Riemann spaces*, by H. Levy and A. Bramley; *On the residues of figurate numbers*, by O. E. Glenn; *On symmetric forms in n variables, II*, by A. Dresden; *On an infinite system of non-abelian groups of order nm^{n-1}* , by W. E. Edington.

A complete edition, in five volumes, of the works of N. J. Lobatchefsky is being prepared under the auspices of the Mathematical Institute of Moscow and with the support of the Russian government. It is expected that the first volume, which will contain a biography by A. Vassilieff, will appear in 1926.

The Class of Sciences of the Royal Academy of Belgium announces the following subjects for prizes to be awarded in 1925: (1) a contribution to infinitesimal geometry; (2) a contribution to the problem of n bodies in Einstein's theory. Competing memoirs should be presented by August 1, 1925.

The Franklin Institute of Philadelphia has awarded a Franklin medal and an honorary certificate of membership to Sir Ernest Rutherford, Cambridge University.

The National Academy of Sciences has awarded its Watson medal to Professor C. V. L. Charlier, of the University of Lund, and its Henry Draper medal to Professor A. S. Eddington, of Cambridge University. Professor Eddington will lecture on general relativity at the University of California during the first semester of 1924-25, and will conduct a seminar on sidereal astronomy.

Professor Ludwig Bieberbach, of the University of Berlin, has been elected a member of the Prussian Academy of Sciences.

The University of Manchester has conferred its honorary doctorate of science on Professor Niels Bohr.

Professor G. H. Hardy has received an honorary doctorate from the University of Birmingham.

The London Mathematical Society has recently elected the following honorary members: L. Bianchi, A. Einstein, J. Hadamard, E. Landau, H. Lebesgue, T. Levi-Civita, L. Prandtl, and A. Sommerfeld.

At the meeting of the International Mathematical Congress held during August in Toronto, Professor S. Pincherle, of the University of Bologna, was elected president of the International Mathematical Union, and Professor J. C. Fields, of the University of Toronto, was elected

president of the Congress. A full account of the Congress will appear in an early issue of this BULLETIN.

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

Professor A. B. Coble has been elected a member of the National Academy of Sciences.

Professor O. Chisini has been appointed professor of projective geometry at the University of Cagliari.

At the University of London, Professor G. B. Jeffery, of King's College, has been appointed to the Astor chair of mathematics at University College, and Professor A. E. Joliffe, of Royal Holloway College, has been appointed to the university chair of mathematics tenable at King's College.

Professor O. W. Richardson, of King's College, London, has been appointed third Yarrow research professor of the Royal Society.

Mr. J. C. Burkill, director of studies at Trinity Hall and Fitzwilliam Hall, Cambridge, has been appointed professor of pure mathematics at the University of Leeds.

The following persons have been admitted as privat docents: Dr. P. Finsler, at the University of Cologne; Dr. A. Ostrowski, at the University of Göttingen; Dr. H. Prüfer, at the University of Jena; Dr. E. Schönhardt, at the University of Tübingen; Dr. N. Spampinato, at the University of Catania.

Adjunct Professor P. M. Batchelder, of the University of Texas, has been appointed acting assistant professor of mathematics at Brown University for the academic year 1924-25.

At the University of California, Assistant Professors B. A. Bernstein and Frank Irwin have been promoted to associate professorships, and Dr. Sophia H. Levy has been promoted to an assistant professorship of mathematics. At the Southern Branch, at Los Angeles, Associate Professor G. E. F. Sherwood has been promoted to a full professorship, and Dr. P. H. Daus to an assistant professorship.

At the University of Illinois, Professor H. Blumberg has been granted leave of absence for the academic year 1924-25, and Dr. C. C. Camp has been promoted to the rank of associate.

Dr. R. F. Borden, of Brown University, has been appointed assistant professor of mathematics at George Washington University, Washington, D. C.

At the University of Cincinnati, Associate Professor C. N. Moore has

been promoted to a full professorship and Dr. I. A. Barnett to an assistant professorship of mathematics.

At Cornell University, Assistant Professors W. A. Hurwitz and Arthur Ranum have been promoted to full professorships. Dr. D. S. Morse and Assistant Professor W. L. G. Williams have resigned, to accept assistant professorships at Union College and McGill University, respectively.

Associate Professors J. W. Bradshaw and T. H. Hildebrandt have been promoted to full professorships at the University of Michigan.

At the University of Missouri, Professor G. E. Wahlin, of the University of Illinois, has been appointed professor, Associate Professor Louis Ingold has been promoted to a full professorship and has been granted leave of absence for the year 1924-25, and Dr. Herman Betz, of Yale University, has been appointed assistant professor of mathematics. Dr. E. F. Allen has been promoted to an assistant professorship.

Associate Professor C. L. Arnold has been promoted to a full professorship of mathematics at Ohio State University.

Dr. B. H. Brown and Dr. R. E. Langer have been promoted to assistant professorships of mathematics at Dartmouth College.

Assistant Professor R. W. Burgess, of Brown University, has been granted leave of absence for the academic year 1924-25, and has accepted a position in the office of the Chief Statistician of the Western Electric Company in New York City.

At the University of Arizona, Associate Professor G. H. Cresse has been promoted to a full professorship of mathematics.

Dr. L. S. Dederick of the United States Naval Academy has been appointed professor of mathematics at the University of British Columbia.

Assistant Professor L. C. Emmons, of Michigan Agricultural College, has been promoted to a full professorship of mathematics.

Associate Professor H. S. Everett has been promoted to a full professorship of mathematics and astronomy at Bucknell University.

Assistant Professor Ernest Flammer has been promoted to an associate professorship of mathematics at Queen's University, Kingston, Ontario.

Dr. C. A. Garabedian, of Harvard University, has been appointed assistant professor of mathematics at Northwestern University.

President W. A. Granville, of Gettysburg College, has resigned to

become educational director of the United States National Life and Casualty Company, Chicago.

Professor W. A. Hamilton, formerly of Beloit College, who has been a special lecturer at the University of Wisconsin during the past year, has been appointed head of the department of mathematics at Antioch College, Yellow Springs, Ohio.

Dr. Harold Hotelling, of Princeton University, has been appointed junior assistant at the Food Research Institute, Stanford University.

Dr. H. M. Jeffers, of Iowa State University, has been appointed assistant astronomer at the Lick Observatory.

Professor S. Lefschetz, who is on leave of absence from the University of Kansas, has been appointed visiting professor of mathematics at Princeton University for the academic year 1924-25.

Associate Professor J. J. Luck has been promoted to a full professorship of mathematics at the University of Virginia.

Assistant Professor C. C. MacDuffee, of Princeton University, has been appointed assistant professor of mathematics at Ohio State University.

Associate Professor W. D. MacMillan has been promoted to a full professorship of astronomy at the University of Chicago.

Associate Professor I. L. Miller, of South Dakota State College, has been promoted to a full professorship of mathematics.

At the Case School of Applied Science, Assistant Professor J. J. Nassau has been promoted to an associate professorship of mathematics and astronomy.

Dr. J. A. Nyswander has been appointed assistant professor of mathematics at Swarthmore College.

Assistant Professor E. J. Oglesby, of New York University, has been promoted to an associate professorship of mathematics.

Assistant Professor F. W. Reed, of Ohio University, Athens, Ohio, has been promoted to an associate professorship.

At Worcester Polytechnic Institute, Assistant Professor Harris Rice has been promoted to a full professorship.

Mr. L. V. Robinson, of the University of Virginia, has been appointed assistant professor of mathematics and astronomy at Oklahoma City College.

Assistant Professor R. A. Sheets, of Denison University, has been appointed assistant professor of mathematics at Miami University.

Mr. J. A. Shohat (J. Chokhate), who has held a reading assistantship at the University of Chicago during the past year since he came to this country from Russia, has been appointed instructor in mathematics at the University of Michigan.

Assistant Professor W. G. Simon has been promoted to an associate professorship of mathematics at Western Reserve University.

Dr. L. T. E. Thompson has been appointed physicist at the Naval Proving Ground, Dahlgren, Va.

Dr. F. M. Weida, of Iowa State University, has been appointed assistant professor of mathematics at Montana State College.

At the Massachusetts Institute of Technology, Dr. Norbert Wiener has been promoted to an assistant professorship of mathematics.

Associate Professor K. P. Williams has been promoted to a full professorship of mathematics at Indiana University.

Assistant Professor C. O. Williamson has been promoted to a full professorship of applied mathematics at the College of Wooster.

Dr. Frederick Wood, of the University of Wisconsin, has been appointed professor of mathematics at Lake Forest College.

The following appointments to instructorships are announced:
University of Florida, Mr. C. G. Phipps;
University of Missouri, Dr. L. H. MacFarlan;
New York University, Dr. Constance R. Ballantine;
Smith College, Miss Bess M. Eversull;
Wellesley College, Miss Ethel L. Anderton.

Professor Martin Disteli, of the University of Zurich, died October 25, 1923, at the age of sixty-three years.

Professor Claude Guichard, of the Sorbonne, died May 12, 1924, at the age of sixty-two years.

Professor Giacomo Bellacchi, of the Technical School of Florence, died February 25, 1924, at the age of eighty-four years.

Professor Corrado Segre, of the University of Turin, distinguished for his work in geometry, died May 18, 1924, at the age of sixty years.

Professor Charles Godfrey, late headmaster of the Royal Naval College, Osborne, died April 4, 1924.

Sir Asutosh Mookerjee (Mukhopâdhyây) formerly vice-chancellor of the University of Calcutta and founder-president of the Calcutta Mathematical Society, died May 25, 1924, at the age of fifty-nine years. He had been a member of the American Mathematical Society since 1900.

Professor J. E. Hodgson, of West Virginia University, died April 11, 1924.

Dr. R. S. Woodward, retired president of the Carnegie Institution, died June 29, 1924, at the age of seventy-four years. He had been a member of the American Mathematical Society since its foundation, and served as president from 1898 to 1900.