NOTES

The third annual mathematical symposium at the University of Notre Dame was held on April 12–13, 1939, on metric geometry. The following papers were presented: *The characterization of pseudo-spherical sets, with applications to determinant theory*, L. M. Blumenthal, University of Missouri; *Some recent results on pseudoplane quintuples*, P. M. Pepper, University of Notre Dame; *A new mode of a locally euclidean surface*, M. Sadowsky, Armour Institute of Technology; *A new characterization of the straight line*, L. M. Blumenthal; *Metric spaces related to the theory of critical points*, Marston Morse, Institute for Advanced Study; *Three metrics arising in the calculus of variations*, Karl Menger, University of Notre Dame; *Some analytical aspects of isometric imbedding*, I. J. Schoenberg, Colby College; *Algebraic treatment of the isometric imbedding into euclidean and related spaces*, Emil Artin, Indiana University and the University of Notre Dame; *On the isometric imbedding into groups*, B. J. Topel, University of Notre Dame; *Universal ordered sets*, A. N. Milgram, University of Notre Dame; *A general theory of relation-preserving imbedding*, Karl Menger.

Professor A. Sommerfeld of the University at Munich has been awarded the Lorentz Medal of the Royal Dutch Academy of Sciences.

On the occasion of the celebration of the fiftieth anniversary of the founding of the University at Sofia, honorary doctorates were awarded to the following mathematicians: Dean G. D. Birkhoff, Harvard University; Professor Wilhelm Blaschke, University of Hamburg; Professor Émile Borel, Sorbonne; Professor Emeritus A. L. Bowley, University of London; Professor G. H. Hardy, University of Cambridge; Professor Paul Montel, Sorbonne; Professor Waclaw Sierpiński, University of Warsaw.

Professors E. Cartan, J. A. Schouten, D. van Dantzig, W. Fock, and B. Kagan have been elected honorary members of the Mathematical Society of Kazan.

Dr. A. P. Guinand of the University of Adelaide, Oxford, and Mr. D. G. Northcott of St. John's College, Cambridge, have been awarded Commonwealth Fund fellowships. They will study at Princeton University.

Professor H. Lebesgue of the College of France has been granted an honorary doctorate by the University at Lwow and by the University at Cracow. Professor Lebesgue has become a member of the editorial committee of Enseignement Mathématique.

Professor M. Picone of the University of Rome has been elected a member of the Royal Academy of Sciences.

Professor S. Timoshenko has been elected correspondant of the French Academy of Sciences.

Professor E. E. DeCou of the University of Oregon has been given the title emeritus. He has retired as head of the department of mathematics but will continue to do some teaching.

Harvard University has conferred an honorary doctorate upon Dr. P. W. Bridgman, professor of mathematics and natural philosophy at Harvard University.

Professor Joseph Bowden of Adelphi College, Garden City, New York, has been given the title emeritus. He will continue to lecture in mathematics.

Professor Otto Dunkel of Washington University has retired with the title emeritus.

Dr. O. G. Harrold has been appointed to a National Research Council fellowship. He will work at the University of Virginia.

The University of Missouri has conferred an honorary doctorate upon Dr. E. R. Hedrick, provost and vice president of the University of California at Los Angeles.

Mr. I. W. Smith has been given the title of professor emeritus by North Dakota State College in Fargo.

Professors Oswald Veblen and Hermann Weyl of the Institute for Advanced Study have been elected honorary members of the London Mathematical Society.

Professor A. Huber has been appointed to a professorship at the University of Vienna.

Dr. Max Müller of the University of Heidelberg has been appointed to an assistant professorship at the University of Tübingen.

Dr. Ernest Peschl of the University of Bonn has been promoted to an assistant professorship.

Professor A. Pflüger has been appointed to a professorship at the University of Freiburg.

Professor W. Schmeidler of the University of Breslau has been appointed to a professorship at the Technical School in Berlin.

Professor William Threlfall of the University of Halle has been appointed to a professorship at the University of Frankfurt.

Mr. P. Vincenzini has accepted a position at the University of Besançon.

Associate Professor V. W. Adkisson of the University of Arkansas has been promoted to a professorship.

Dr. C. B. Allendoerfer of Haverford College has been promoted to an assistant professorship.

Mr. H. F. Archibald of Keuka College, Keuka Park, New York, has been promoted to an assistant professorship.

During 1939–1940 Professor Emil Artin will give monthly lectures in group theory and theory of numbers at the University of Notre Dame.

Assistant Professor J. L. Barnes of Tufts College has been promoted to an associate professorship.

Dr. P. O. Bell of the University of Kansas has been promoted to an assistant professorship.

Dr. G. D. Birkhoff, Perkins professor of mathematics at Harvard University, retired on September 1, 1939, as dean of the faculty of arts and sciences.

Dr. W. Z. Birnbaum of New York University has been appointed to an assistant professorship at the University of Washington.

Assistant Professor L. M. Blumenthal of the University of Missouri has been promoted to an associate professorship.

Assistant Professor Salomon Bochner of Princeton University has been promoted to an associate professorship.

Assistant Professor H. F. Bohnenblust of Princeton University has been promoted to an associate professorship.

Dr. W. D. Cairns, professor of mathematics at Oberlin College for the past forty years, has retired. He will continue to serve the Mathematical Association of America as secretary-treasurer, with office at Oberlin, Ohio.

Assistant Professor Alonzo Church of Princeton University has been promoted to an associate professorship.

Mr. O. C. Collins of the University of Nebraska has been promoted to an assistant professorship.

Assistant Professor T. F. Cope of Queens College has been promoted to an associate professorship.

Dr. A. P. Cowgill of Syracuse University has been promoted to an assistant professorship of applied mathematics.

Assistant Professor D. C. Dearborn of Catawba College, Salisbury, North Carolina, has been promoted to an associate professorship.

Dr. K. S. Ghent of the University of Oregon has been promoted to an assistant professorship.

Associate Professor R. F. Graesser of the University of Arizona has been promoted to a professorship and to the chairmanship of the department of mathematics.

Dr. Israel Halperin of Harvard University has been appointed to an assistant professorship at Queen's University, Kingston, Ontario, Canada.

Dr. R. A. Higdon of Iowa State College has been promoted to an assistant professorship.

Dr. Grace M. Hopper of Vassar College has been promoted to an assistant professorship.

Dr. I. M. Hostetter of Howard College has been promoted to a professorship.

Assistant Professor R. D. James of the University of California has been appointed to a professorship and the chairmanship of the department of mathematics at the University of Saskatchewan.

Dr. Caroline A. Lester of the New York State College for Teachers has been promoted to an assistant professorship.

Dean G. H. Ling of the University of Saskatchewan has retired.

Assistant Professor M. H. Martin of the University of Maryland has been promoted to an associate professorship.

Associate Professor A. D. Michal of the California Institute of Technology has been promoted to a professorship.

Dr. Harriet F. Montague of the University of Buffalo has been promoted to an assistant professorship.

Associate Professor A. F. Moursund of the University of Oregon has been named chairman of the department of mathematics.

Assistant Professor Rufus Oldenburger of Armour Institute of Technology has been promoted to an associate professorship.

Dr. T. S. Peterson of Shipley School, Bryn Mawr, Pennsylvania, has been appointed to an assistant professorship at the University of Oregon.

Dr. Everett Pitcher of Lehigh University has been promoted to an assistant professorship.

Assistant Professor G. B. Price of the University of Kansas has been promoted to an associate professorship.

Associate Professor P. R. Rider of Washington University has been promoted to a professorship.

Dr. A. E. Ross of St. Louis University has been promoted to an assistant professorship.

Assistant Professor H. C. Shaub of Washington and Jefferson College has been promoted to an associate professorship.

Associate Professor H. M. Sheffer of Harvard University has been promoted to a professorship.

Dr. A. H. Smith of Purdue University has been promoted to an assistant professorship.

The following appointments to instructorships are announced: Adelphi College: Dr. H. J. Riblet; Alborz College (Teheran, Iran): Mr. E. S. Kennedy; Brown University: Dr. D. W. Hall, Mr. L. B. Hedge; Cornell University: Dr. Fritz Herzog; Duke University: Dr. R. P. Boas, Jr.; Emory University: Dr. G. B. Lang; Harvard University: Mr. M. H. Heins, Mr. E. N. Nilson; Haverford College: Mr. E. E. Betz; University of Minnesota: Mr. Fulton Koehler; New York University: Dr. H. E. Robbins; Oberlin College: Dr. R. W. Wagner; Ohio State University: Mr. M. Hendrickson, Dr. P. V. Reichelderfer, Dr. W. S. Snyder; University of Oregon: Mr. C. F. Kossack; Princeton University: Mr. J. W. Tukey; Purdue University: Dr. C. E. Clark, Mr. J. J. Eachus; Rensselaer Polytechnic Institute: Dr. B. A. Lengyel; Stanford University: Dr. A. C. Schaeffer; Wells College: Dr. Dorothy Manning; University of Wyoming: Mr. T. C. Doyle.

The death of Professor H. H. Barnum, head of the department of mathematics at Robert College, Istanbul, Turkey, is reported. He was sixty-one years of age.

The death of F. C. Boon, who was from 1909 to 1936 principal master in mathematics at Dulwich College, is reported in the Mathematical Gazette.

Professor Emeritus Philipp Furtwängler of the University of Vienna died April 21, 1939, at the age of seventy.

Professor Joseph Kloboucek of the University of Prague died on April 18, 1939, at the age of sixty-four years.

Dr. S. L. Loney, who was professor of mathematics at the University of London from 1888 until 1920, died on May 16, 1939, at the age of seventy-nine years.

Professor E. Meissner of the Zurich Polytechnic School died March 18, 1939, at the age of fifty-six years.

Professor Pilo Predella died January 4, 1939, at the age of seventy-five years.

Professor H. Schotten, former editor of Zeitschrift für mathematischen und naturwissenschaftlichen Unterricht, died in Berlin at the age of eighty-two years.

Professor G. Tzitzéica of the University of Bucharest died February 4, 1939, at the age of sixty-five years.

Professor T. E. Mason of Purdue University died May 26, 1939. Professor Mason had been a member of the Society since 1913.

Dr. W. C. Risselman died at Inglewood, California, on June 26, 1939 at the age of thirty-nine years. He was head of the department of mathematics at Arizona State Teachers College, Flagstaff, from 1929 to 1937 when he was taken ill. His membership in the Society dated from 1928.