NOTES

At the twentieth western meeting of this Society to be held on December 28–29, in Cincinnati, (see p. 197, May, 1923) the headquarters for mathematicians will be the Hotel Sinton, where rooms may be secured in advance at rates from $3.00 up.

The San Francisco Section of this Society will hold a special meeting at the University of Washington, in Seattle, on Saturday, December 22. The first session will be in Philosophy Hall, at 10 a. m.

The opening number of volume 25 of the TRANSACTIONS OF THIS SOCIETY (vol. 25, No. 1, Jan., 1923), which has appeared recently, was printed in Hamburg, Germany, by the firm of Lütcke and Wulff, on account of the continued difficulties connected with the printing of scientific journals in this country.

The opening number of volume 24, series 2, of the ANNALS OF MATHEMATICS contains: *Periodicities in the theory of partitions*, by E. T. Bell; *Functionals of summable functions*, by W. L. Hart; *Periodically closed chains of reduced fractions*, by A. Arwin; *On certain linear differential equations of the second order*, by F. H. Murray.

The Class of Sciences of the Royal Academy of Belgium announces the following subjects for prizes to be awarded in 1924: (1) *a contribution to the infinitesimal geometry of curved surfaces*; (2) *a new contribution to the question of the absorption of light in interstellar space*. Competing memoirs should be presented by August 1, 1924.

The Class of Physical Sciences of the Academy of Bologna announces the following subjects for a prize to be awarded in 1925: (1) *a contribution to the theory of the uniformization of an algebraic equation $f(x, y) = 0$ (the expression of x and y in uniform functions of a parameter)*, or an exposition *of the present status of the question*; (2) *a discussion of some important subject in the history of mathematical analysis in the eighteenth century*. If no suitable memoirs are presented on these subjects, the Academy may consider any unpublished work in mathematical analysis. The competition closes December 31, 1924.

The Italian Society of Sciences has awarded its gold medal for 1922 to Professor Gaetano Scorza, of the University of Naples, for his book, *Corpi numerici ed algebre*, and its gold medal for 1923 to Professor Leonida Tonelli for volume I of the treatise *Fondamenti di Calcolo delle Variazioni*.

At the meeting of the Société Mathématique de France on July 11, papers were read by Professor Edward Kasner, on *Ricci curvature and its generalization*, and by Professor J. F. Ritt, on *The algebraic functions which can be expressed by means of radicals*.

Professor Jean Perrin, professor of physical chemistry at the Sorbonne, has been elected a member of the Paris Academy of Sciences, in the section of physics.

Professor H. Villat, of the University of Strasbourg, has been elected a correspondent in the section of mechanics of the Paris Academy of Sciences.

Professor Tullio Levi-Civita has been elected a foreign honorary member of the Royal Society of Edinburgh.

Professor U. Cisotti, of the Technical School at Milan, has been elected a corresponding member of the Reale Academia dei Lincei, and Professor A. E. H. Love of Oxford University a foreign member.

Professor Niels Bohr has received the honorary degree of doctor of science from Cambridge University, and has been elected an honorary member of the Cambridge Philosophical Society.

Cambridge University has conferred the doctorate of science on Professor H. A. Lorentz, of the University of Leiden.

The University of Munich has conferred an honorary doctorate on Professor F. von Lindemann, on the occasion of his seventieth birthday.

At a meeting of the American Philosophical Society on April 10, the James Scott medal was awarded to Sir Joseph Thomson, for his work on the physics of the electron.

The University of St. Andrews has conferred an honorary doctorate on Dr. H. W. Richmond, of Cambridge University, retiring president of the London Mathematical Society.

The *Tables for Interior Ballistics*, which were issued some time ago in blue print form, have now been published in printed form, "For official use only," as "Ordnance Document, No. 2369." These tables were computed in the Ballistic Section of the Ordnance Department, under direction of Professor A. A. Bennett. They are the first tables of the sort available for the U. S. Army, and are made possible by the use of certain mathematical transformations discovered by Professor Bennett. They render obsolete the method of individual trajectory computations for interior ballistics, which has been hitherto the only theoretically accurate procedure.

The firm of Julius Springer, of Berlin, has just announced that it will allow a discount of 25 per cent to members of the American Mathematical Society and to members of the Mathematical Association of America on individual orders of copies of the MATHEMATISCHE ANNALEN, of the MATHEMATISCHE ZEITSCHRIFT, and of volumes of the series edited by R. Courant under the general series title *Die Grundlehren der Mathematischen Wissenschaften*. This discount is based on the Auslandspreis, which is $6.40 per volume for each of the journals, so that the net cost to a member of either organization would be $4.80. The prices of volumes of the Courant series vary, of course, but they will not exceed one cent per page for bound volumes.

At the recent meeting of the Deutsche Mathematiker Vereinigung in Marburg, the yearly dues of that organization were fixed at one-half gold mark. The charge for the JAHRESBERICHT remains at two dollars for members.

At the University of Paris, Dr. Gaston Julia has been promoted to a professorship of general mathematics.

Professor M. Cipolla, of the University of Catania, has been called to the chair of higher analysis in the University of Palermo.

Mr. G. C. Steward, of Gonville and Caius College, has been appointed fellow and lecturer in mathematics at Emmanuel College, Cambridge.

Dr. John Marshall, of University College, Swansea, has been appointed reader in mathematics at Bedford College, University of London.

Mr. R. Stoneley has been appointed assistant lecturer in applied mathematics at the University of Leeds.

Professor C. E. Cullis, of the University of Calcutta, has retired from the Indian Educational Service, and returned to England.

The following have been appointed privat docents: at the University of Genoa, Dr. F. Sbrana, in rational mechanics; at the University of Naples, Dr. S. Cherubino, in calculus, and Dr. M. Pascal, in rational mechanics; at the University of Pisa, Dr. G. Albanese, in analytic geometry, Dr. M. Bedarida, in algebraic analysis, and Dr. F. Cecioni, in calculus; at the University of Münster, Dr. M. Krafft; at the Hanover Technical School, Dr. A. Schur.

Dr. V. D. Gokhale, of the University of Chicago, has been appointed associate professor of mathematics at the University of the Philippines.

Professor E. A. Kholodovsky, assistant professor of mathematics at the Polytechnic Institute of Petrograd, has been appointed assistant in the Lick Observatory.

Professor W. B. Fite, of Columbia University, Treasurer of the American Mathematical Society, has been granted leave of absence for the first half of the academic year 1923–24.

Professor B. H. Camp, of Wesleyan University, during his leave of absence for the academic year 1923–24, plans to study at the University of Paris and with Professor Karl Pearson at the Biometric Laboratory of University College, London.

Professor W. H. Kirchner, of the department of drawing and descriptive geometry at the University of Minnesota, has sabbatical leave of absence for the year 1923–1924, and expects to spend much of his time studying at the University of Palermo.

Professor Archibald Henderson, of the University of North Carolina, has been granted leave of absence on the Kenan Research Foundation for the academic year 1923–1924, and will carry on in Europe researches in the theory of relativity.

Professor W. H. Metzler, of Syracuse University, has been appointed dean of the New York State College for Teachers at Albany.

At the University of West Virginia, Dr. B. M. Turner, of the University of Illinois, has been appointed assistant professor of mathematics.

Dr. F. W. Reed, of Cornell University, has been appointed assistant professor of mathematics at Ohio State University.

Dr. George Rutledge, of the Massachusetts Institute of Technology, has been promoted to an assistant professorship of mathematics.

Assistant Professor J. E. Davis, of the University of Arkansas, has been appointed assistant professor of mathematics at Drexel Institute.

Mr. H. T. Davis, of the University of Wisconsin, has been appointed assistant professor of mathematics at the University of Indiana.

Miss Lena R. Cole has been made head of the department of mathematics at Central Normal College, Danville, Ind.

Dr. Nina M. Alderton has been promoted to be head of the department of mathematics in Mills College.

Professor B. R. Allen, of Westmoorland College, has been appointed associate professor of mathematics in the Kansas State Teachers College at Emporia.

Professor A. A. McSweeny, of the College of Agriculture and Mechanic Arts of the University of Montana, has been appointed head of the department of mathematics at John Tarleton Agricultural College, Stephensville, Texas.

Professor W. W. Weber, dean and professor of mathematics at Southern College, Lakeland, Florida, has been appointed to the chair of mathematics in Lander College, Greenwood, S. C.

Professor S. I. Jones, of Lipscomb College, has become assistant treasurer of the Life and Casualty Insurance Company of Nashville.

At Heidelberg University, Professor J. E. Pierce of James Millikin University has been made head of the department of mathematics.

The following appointments to instructorships in mathematics in American colleges and universities are announced:

Cornell University, Mr. B. F. Kimball;
Heidelberg University, Mr. C. E. Stout;
University of Michigan, Mr. B. F. Dostal;
Southwestern Presbyterian College, Mr. M. L. MacQueen;
University of West Virginia, Dr. M. M. Feldstein;
University of Wyoming, Miss Minnie Holman.

Mr. W. E. Armentrout, who had been instructor in mathematics at the University of Wisconsin, and was under appointment as instructor at Cornell University for the year 1923–1924, was struck by lightning June 18, 1923, at Madison, Wis., and was instantly killed.

Professor A. D. Pitcher, of Western Reserve University, died suddenly from heart failure at his home in Cleveland, on October 5, 1923, at the age of forty-three years. He had been a member of this Society since 1910, and was, at the time of his death, an elected member of its Council.