NOTES

At the meeting of the American Association for the Advancement of Science held at Cambridge, December 26–30, 1922, Professor Harris Hancock of the University of Cincinnati was elected vice-president of Section A, Professor G. A. Miller a member of the Council, and Professor Frank Schlesinger a member of the Committee on Grants for Research in charge of mathematics and astronomy. Professor E. H. Moore delivered his address as retiring president, on the subject, *What is a number system?* Professor Oswald Veblen's address, as retiring vice-president of Section A, was entitled *Geometry and physics,* and was delivered before a joint session of Section A, the American Mathematical Society, and the Mathematical Association of America.

The April, 1922, number (vol. 44, No. 2) of the AMERICAN JOURNAL OF MATHEMATICS contains: *A primary classification of projective transformations in function space,* by L. L. Dines; *A general theory of limits,* by E. H. Moore and H. L. Smith; *Substitution groups whose cycles of the same order contain a given number of letters,* by G. A. Miller; *Boundary value and expansion problems: oscillation, comparison and expansion theorems,* by R. D. Carmichael; *On a theorem in general analysis and the interrelations of eight fundamental properties of classes of functions,* by E. W. Chittenden.

The American Telephone and Telegraph Company has begun publication of a new periodical, THE BELL SYSTEM TECHNICAL JOURNAL, devoted to the scientific and engineering aspects of electrical communication. The two numbers that have appeared contain articles on the mathematical as well as the experimental physics of the telephone and telegraph.

The first number of a new Italian mathematical journal, the BOLLETTINO DELLA UNIONE MATEMATICA ITALIANA, was issued under the date of October, 1922. Professor S. Pincherle, of Bologna, is provisional president of the union.

The Paris Academy of Sciences announces the award of the following prizes for 1922, in addition to those listed in the December number of this BULLETIN (p. 477). Since no memoir was presented on the subject announced for the Grand prize, *The determination of classes of surfaces by given properties of their geodesics* (see this BULLETIN, vol. 26, p. 282), this subject was withdrawn, and the prize awarded to Professor Jean Le Roux, of the University of Rennes, for his mathematical work. The Poncelet prize was awarded to Professor Jules Drach, of the University of Paris, or his mathematical work; the Francœur prize to Dr. Louis Antoine, of the University of Strasbourg, for his work in geometry; the Montyon prize in mechanics to Farid Boulad, of the Egyptian State Railways, for his work in nomography and geometry; the Henri de Parville prize in mechanics to Henri Béghin, of the University of Montpellier, for his

memoir on gyroscopic compasses; the Valz prize to Professor Jean Chazy, of the University of Lille, for his work in celestial mechanics and especially his memoir on the problem of three bodies; the Hughes prize to Camille Raveau, for his work in theoretical physics; the Montyon prize in statistics to Pierre Richard, for his work on the mathematical theory of insurance; the Binoux prize in the history and philosophy of sciences to Professor Gino Loria, for his works on the history of sciences; the Houllevigue prize to Professor Rodolphe Soreau, for his work in aviation and nomography.

The honorary doctorate of the University of Paris has been conferred on Professor A. A. Michelson, of the University of Chicago.

Professor Charles Camichel, of the University of Toulouse, has been elected corresponding member of the Paris Academy of Sciences, in the section of mechanics.

Professor Albert Einstein has been elected a member of the Russian Academy of Sciences.

Professor C. G. Darwin, who is serving as professor of mathematical physics at the California Institute of Technology for the year 1922–23, has been appointed to the newly instituted Tait Chair of Natural Philosophy at the University of Edinburgh.

Associate Professor Emma L. Konantz, of Ohio Wesleyan University, has accepted a permanent appointment at Peking University, effective the second semester of this year. Miss Konantz taught at Peking University while on leave of absence in 1919–21.

Dr. V. E. Pound, of the University of Toronto, has been appointed instructor in mathematics at the University of Buffalo.

Professor G. D. Birkhoff, of Harvard University, will deliver a course of lectures in the graduate school of Yale University during the second half of the present academic year, in the absence of Professor E. W. Brown.

At Columbia University, Professor T. S. Fiske, of the department of mathematics, and Professor C. L. Poor, of the department of celestial mechanics, have been granted leave of absence for the second half year.

Professor Oswald Veblen, of Princeton University, president of the American Mathematical Society, has been granted leave of absence for the second half year.

Professor B. F. Dostal, of the University of Denver, has been appointed professor of mathematics at the Bradley Polytechnic Institute.

Miss Eleanor P. Cushing has been made professor emeritus at Smith College.