

ographies of Benjamin Osgood Peirce, and Cleveland Abbe, and the bound volume distributed. The following biographies forming a part of Volume IX. have been completed and distributed: William Bullock Clark by John M. Clarke; Arnold Hague by Joseph P. Iddings; Eugene Waldemar Hilgard by Frederic Slate; James Dwight Dana, by L. V. Pirsson; James Mason Crafts, by Charles R. Cross; Lewis Boss, by Benjamin Boss, and Alpheus Spring Packard, by T. D. A. Cockerell. That of Charles Sedgwick Minot is now in page proof.

The Report of the National Academy of Sciences has been issued and the fourth Annual Report of the National Research Council will be issued in separate form in a few days. The Proceedings have reached the third number of the sixth volume.

Since the last meeting, two members have died. Louis V. Pirsson, elected 1913, died December 8, 1919, and Horatio C. Wood, elected in 1879, died in 1919. This leaves an active membership of 175 members, 1 honorary member and 31 foreign associates. Gustav Retzius, foreign associate, died on July 12, 1919.

C. G. ABBOT,
Home Secretary

MATHEMATICAL MEETINGS AT THE UNIVERSITY OF CHICAGO

THE twenty-seventh summer meeting and ninth colloquium of the American Mathematical Society will be held at the University of Chicago during the week beginning Monday, September 6, 1920. The sessions of the Mathematical Association of America will occupy Monday morning and afternoon. The council of the society will meet on Monday evening. The regular sessions of the society will occupy Tuesday morning and afternoon and Wednesday morning. The joint dinner of the society and the association will be held on Tuesday evening.

The University of Chicago will open two of its dormitories, one for men and one for women, during the week of the meeting, and meals will be provided on the university grounds. Advance information on these matters can be obtained from Professor H. E. Slaught.

The colloquium will open Wednesday afternoon and will extend through Saturday morning. It will consist of two courses of five lectures each, as follows: I. Professor G. D.

Birkhoff, of Harvard University: "Dynamical systems." The last forty years have witnessed fundamental advances in the theory of dynamical systems, achieved by Hill, Poincaré, Levi-Civita, Sundman, and others. The lectures will expound the general principles underlying these advances, and will point out their application to the problem of three bodies as well as their significance for general scientific thought. The following topics will be treated: Physical, formal, and computational aspects of dynamical systems. Types of motions such as periodic and recurrent motions, and motions asymptotic to them. Interrelation of types of motion with particular reference to integrability and stability. The problem of three bodies and its extension. The significance of dynamical systems for general scientific thought.

II. Professor F. R. Moulton, of the University of Chicago: "Certain topics in functions of infinitely many variables." I. On the definition and some general properties of functions of infinitely many variables. II. On infinite systems of linear equations. III. Infinite systems of implicit functions. IV. Infinite system of differential equations. V. Applications to physical problems.

THE SOUTHWESTERN DIVISION OF THE AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE

A MEETING of the council of the American Association for the Advancement of Science, held in Washington on April 26, approved the organization of the Southwestern Division of the Association, which was tentatively made in a meeting of delegates held at the University of Arizona, Tucson, Arizona, on Saturday, April 10.

At that meeting Dr. D. T. MacDougal was delegate from the American Association. Local delegates came from Prescott, Phoenix, and Tucson, Arizona Albuquerque, New Mexico and El Paso, Texas.

Dr. Edgar L. Hewett, of the School of American Research, director of the Archaeological Institute, director of the State Museum at Santa Fe, N. M., and the Archaeo-