K. F. Herzfeld, the Johns Hopkins University, "Surface Properties of Crystals."

Wesley G. France, the Ohio State University, "Crystal Structure and Adsorption from Solution."

A. Frumkin, Karpow Chemical Institute, Moscow, "Theory of Electrocapillarity."

James W. McBain and Robert C. Williams, Stanford University, "A Determination of the Number of Free Electric Charges on Air Bubbles and Oil Droplets Dispersed in Water Containing a Small Amount of Cetyl Sulfonic Acid."

H. B. Bull, the University of Rochester, "The Electrostatics of Flotation."

Donald H. Andrews, the Johns Hopkins University, "Some Evidence on the Nature of Extra Molecular Forces."

W. A. Patrick, the Johns Hopkins University, "The Adsorption of Vapors."

F. E. Bartell and Ying Fu, the University of Michigan, "The Specific Surface Area of Activated Carbon and Silica."

Wilder D. Bancroft, C. E. Barnett and B. S. Belden, Cornell University, "Compound Formation with a Volatile Base or Acid."

Otto Reinmuth, University of Maryland, and Neil E. Gordon, the Johns Hopkins University, "Nature of Interaction between Hydrous Oxides and Mordant Dyes."

Frank K. Cameron and R. A. Lineberry, the University of North Carolina, "Apparent Specific Gravity and Moisture Content of Clays."

Edgar T. Wherry, Clarence S. Ross and Paul F. Kerr, Bureau of Chemistry and Soils, U. S. Department of Agriculture, "Progress in the Study of the Clay Minerals."

K. D. Jacob, W. L. Hill and R. S. Holmes, Bureau of Chemistry and Soils, U. S. Department of Agriculture, "Some Colloidal Properties of Finely Divided Natural Phosphates."

Eugene C. Bingham, Lafayette College, "The Nature of the Different Types of Plastic Flow."

Harry N. Holmes and C. J. B. Thor, Oberlin College, "Adsorption of Fats."

E. S. Paine, Bureau of Chemistry and Soils, U. S. Department of Agriculture, "The Colloids of the Sugar Liquors."

Treat B. Johnson, Yale University, "The Chemistry of Bacteria and the Development of a Practical Technique for the Chemical Analysis of Cells."

S. DeW. Ludlum, A. E. Taft and R. L. Nugent, the Gladwyne Research Laboratory, "Human Blood Serum as a Colloidal System."

J. E. Sweet, Cornell University Medical College, "The Liesegang Phenomenon in Gall Stones."

J. C. W. Frazer, the Johns Hopkins University, "A Study of the Porous Disc Method of Measuring Osmotic Pressures in Aqueous Solutions."

Harry B. Weiser, The Rice Institute, "Adsorption and the Permeability of Membranes."

THE EARLIEST MOTION PICTURES

ON May 8, Stanford University held a semi-centennial celebration in commemoration of the motion picture research conducted by Leland Stanford at his Palo Alto stock farm in 1878 and 1879 with the assistance of Eadweard J. Muybridge and John D. Isaacs. It is believed that this is the first investigation to make use of consecutive instantaneous pictures and, therefore, lies at the basis of the photographic analysis of motion and also the portrayal of movement through the motion picture. Something over two thousand such pictures were taken by Muybridge. Many of those that had to do with the locomotion of the horse were later analyzed by Dr. J. D. B. Stillman, whose book, "The Horse in Motion," was published in 1882. Official delegates from the Academy of Motion Picture Arts and Sciences took part in the exercises. Tablets commemorating the Stanford-Muybridge research were unveiled, one in Memorial Court at the main quadrangle of the university and the other, a duplicate, near the site of the Muybridge studio. Dr. Walter R. Miles, professor of experimental psychology at Stanford University, gave two addresses, "The Stanford-Muybridge Research on the Portrayal of Motion" and "Technique and Results of the Palo Alto Experiments." Other speakers and addresses were as follows: Louis B. Mayer, vice-president of the Metro-Goldwyn-Mayer Corporation, "The Debt of Motion Pictures to the Early Researcher"; Louis H. Tolhurst, motion picture technician, Hollywood, "Evolution of the Motion Picture"; Dr. Alonzo E. Taylor, director of the Food Research Institute, Stanford University, "The Cost and Value of Research"; William C. De Mille, vice-president of the Academy of Motion Picture Arts and Sciences, "The University of the Future of Motion Pictures"; Dr. Robert E. Swain, acting president of Stanford University, "The Relation of the University to Industrial Progress." A talking picture address by the Honorable Ray Lyman Wilbur was made possible through a portable outfit recently developed in the Bell Telephone Laboratories. This address for a specific occasion and presented in a college banquet hall marks an advance in motion pictures that is of much educational significance.

THE INAUGURATION OF RESEARCH BY THE CARNEGIE INSTITUTION OF WASHINGTON

ON May 31, at Cold Spring Harbor, Long Island, the Department of Genetics of the Carnegie Institution of Washington was "at home" to invited guests. The reception was held in celebration of the conclusion of the first quarter century of the work of the institution founded by Andrew Carnegie for the conduct