

filterable viruses, acute rheumatic fever and skin reactions to bacilli causing abortion diseases in cattle and on the effect of vitamin A-deficient diets, as compared with normal diets, in experimental schistosomiasis, or blood fluke disease.

The Division of Parasitology of the Agricultural Experiment Station, in cooperation with the department of medical zoology, has carried on the study of the tropical diseases of calves and horses, on fluke diseases of domestic pigeons, and has made a survey of the active parasites of the island from the standpoint of both human and animal diseases.

Fourteen gibbons and 439 rhesus monkeys were added during the year to the primate colonies on the island of Santiago in order to make available conditioned animals free from disease with known histories.

A program of weekly conferences and lectures for the medical profession has been successfully developed. Dr. Bachman recommends that plans be made for the creation and maintenance of a department of tropical physiology. The importance of this work in relation to the investigations that are now being conducted can not be overemphasized.

The school has collaborated during the past year with scientific men associated with the University of Chicago, the University of Wisconsin, Duke University, the Columbia School of Medicine, the University of Puerto Rico, the Presbyterian Hospital, the Agricultural Experiment Station at Rio Piedras, the Puerto Rico Reconstruction Administration, the American Leprosy Association and the National Committee on Maternal Health.

#### RESEARCH GRANTS OF THE VIRGINIA ACADEMY OF SCIENCE

THE Research Committee of the Virginia Academy of Science met on November 18 to make the regular awards for the encouragement of scientific research in Virginia. It had available for distribution \$650.15, which included the sum of \$125 from the American Association for the Advancement of Science. It had in hand eleven applications for grants amounting to \$960. After careful consideration of each request the following awards were made:

To Miss M. Katharine Cary, of the Medical College of Virginia, \$75 for a study of the relation of alkalemia and acidemia to resistance to infection.

To Dr. E. Ray Casto, of Emory and Henry College, \$50 for student assistance in the tabulation and graphing of data on the influence of climate on agriculture and manufacturing.

To F. F. Ferguson and Dr. E. R. Jones, Jr., of the College of William and Mary, Norfolk, \$25 for aid in the collection of *Turbellaria* in the Norfolk area.

To Professor F. H. Fish, of the Virginia Polytechnic Institute, \$50 for the purchase of a colorimeter for use in the study of organic analytical reagents.

To C. C. Flora and W. C. Thacker, of the Virginia Polytechnic Institute, \$25 for aid in the construction of a thermostatically controlled water bath for use in a study of the digestibility of the fat in various forms of milk.

To Dr. Allan T. Gwathmey, of the University of Virginia, \$105 for the purchase of a special camera for the photomicrography of the various surfaces of single crystals of various metals.

To Dr. J. Frank Hall and Dr. R. L. Simpson, Jr., of the Medical College of Virginia, \$50 for the purchase of materials to be used in the construction of dental bridges in a study of the effects of such structures on the teeth and other tissues concerned.

To King A. Jamison, of the Virginia Polytechnic Institute, \$50 for the purchase of canaries to be used in a survey of the incidence of malarial parasites in the wild birds of Virginia.

To A. F. Meyer, Jr., of the Virginia Military Institute, \$35 for the purchase of supplies and materials for use in a study of the sterilization of dishes and equipment used in public eating places.

E. C. L. MILLER,  
*Secretary*

#### THE CARNEGIE INSTITUTION OF WASHINGTON

THE annual meeting of the Board of Trustees of the Carnegie Institution of Washington was held on December 15, in the Administration Building of the institution at Sixteenth and P Streets. The Honorable W. Cameron Forbes, chairman of the board, presided. The following trustees were present: Thomas Barbour, James F. Bell, Robert Woods Bliss, Frederic A. Delano, Homer L. Ferguson, W. Cameron Forbes, Walter S. Gifford, Walter A. Jessup, Frank B. Jewett, Charles A. Lindbergh, Roswell Miller, Stewart Paton, Elihu Root, Jr., Henry R. Shepley, William Benson Storey, Richard P. Strong, Charles P. Taft, James W. Wadsworth, Lewis H. Weed.

The president of the institution, Dr. Vannevar Bush, submitted his annual report on the work of the institution during the past year, and the board authorized appropriations totaling \$1,316,500 for conduct of research activities of the institution for the year 1940.

Governor Forbes was reelected chairman of the board for the next three years. Walter S. Gifford was reelected vice-chairman and Frederic A. Delano secretary for the same period.

The Honorable Robert Woods Bliss, Dr. Walter A. Jessup and Dr. Lewis H. Weed were reelected as members of the executive committee for the ensuing three years.

Standing committees of the Board of Trustees were appointed by the chairman for the year 1940 as follows:

Committee on Astronomy: Herbert Hoover, *chairman*, Walter S. Gifford, Roswell Miller, Elihu Root, Jr., William Benson Storey.