

young and adult individuals in respect to this vitamin, \$400.

To Dr. Caryl P. Haskins, Union College, Schenectady, N. Y., to aid in the construction of apparatus for studying the effects of proton bombardment of spores, \$500.

To Professor Charles E. Lane, University of Wichita, Kansas, for technical assistance and materials in a study in the relationship between the pituitary, the ovary and the estrous cycle in rats, \$300.

To Karl O. Lange, research meteorologist, Blue Hill Observatory, to aid in the construction and testing of automatic radio transmission of meteorological records to a central station, \$300.

To Professor Willem J. Luyten, department of astronomy, University of Minnesota, as an aid in securing a supervisor for student measurements in his study of the proper motions of stars in the southern hemisphere, \$500.

To Professor Hugh M. Raup, Harvard University, as a contribution toward general field expenses of a botanical survey of the southwestern part of the District of Mackenzie, contingent upon his securing necessary funds to assure the trip in the summer of 1939, \$400.

To Professor Kenneth A. Siler, department of physiology and pharmacology, University of Arkansas School of Medicine, for the purchase or construction of necessary instruments in an investigation of the blood flow of the coronary system, \$250.

AWARDS FROM THE MILTON FUND OF HARVARD UNIVERSITY

AWARDS in the sciences from the Milton Fund have been made as follows to instructors in Harvard University, to enable them to conduct research or prepare publications in the fields mentioned after their names:

Henry Asbury Christian, Hersey professor of the theory and practice of physics, for a study of the clinical medical records of the Peter Bent Brigham Hospital accumulated in the period 1913-39 under his direction as physician-in-chief.

William Dameshek, instructor in medicine, to extend previous investigations and make new ones on the etiology and treatment of certain hemolytic syndromes, with particular reference to the rôle of the spleen.

Ralph Eigil Fadum, instructor in civil engineering, for research on the stress-deformation characteristics of clays.

Knox Henderson Finley, instructor in psychiatry, for experimental studies with insulin and metrozol used in the treatment of dementia praecox, and to continue a study of the capillary beds of the hypothalamus with the aid of a cerebral blood vascular injection technique.

Alden Buchannon Greninger, assistant professor of metallurgy, for the purchase of optical equipment to aid in studies of martensite transformation in alloy systems.

Frederick Vinton Hunt, assistant professor of physics and communication engineering, to extend the results of an earlier investigation of auditorium acoustics by means of steady-state measurements.

Arthur Edwin Norton, Gordon McKay professor of applied mechanics, to continue a study of certain lubricants

at or near the condition known as "apparent solidification" due to high local pressure.

John Rock, assistant in gynecology and research associate in obstetrics, and Austin Moore Brues, associate in medicine and instructor in biochemical sciences, for a study of ovulation, fertilization, nidation and electrical potentials associated with ovulation.

Reinhold Rüdenberg, Gordon McKay professor of electrical engineering, to investigate the extinction of electric alternating-current arcs by influencing the external circuit.

Karl Sax, professor of botany, for research on the effect of x-rays and neutrons on chromosomes.

Theodore Eugene Sterne, lecturer on astrophysics, for a spare moving system for a Paschen galvanometer and for repairs to the old system.

Theodore James Blanchard Stier, assistant professor of physiology, to continue the study of carbohydrate and lipid assimilation in yeast.

Paul Anthony Vestal, instructor in botany, to obtain information and specimens of the important plants (both cultivated and native) used by the Ramah-Atarque Navajo Indians.

Robert Weston Vose, instructor in applied mechanics, for a study of the anisotropy of elasticity accompanying shear strain.

Ralph Hartley Wetmore, associate professor of botany, for studies in development and differentiation in the angiosperms.

George Bernays Wislocki, Parkman professor of anatomy, for a study of the anatomy of the manatee.

WINTER SCHOOL IN SOIL SCIENCE AT THE WAITE INSTITUTE

ACCORDING to *The Australian Journal of Science*, arrangements have been made for a Winter School for Soil Workers to be held at the Waite Agricultural Research Institute for ten days during the month of August. The school will be held under the auspices of the University of Adelaide and of the Council for Scientific and Industrial Research, and will open on August 14. Fees will not be charged, but all those attending must be accredited by their respective state departments, universities or other organizations.

It is believed that the school will be of value to soil workers, not only in the personal contacts that will be made and ideas interchanged, but that methods and procedures of established value will be brought to the notice of every one. These ends will be served by a series of lectures and demonstrations following a definite plan rather than by a conference of disconnected papers.

The lecturers and demonstrators will include Professor J. A. Prescott, C. S. Piper, Dr. A. Walkley, T. J. Marshall, C. G. Stephens, R. J. Best, T. H. Strong, J. S. Hosking and A. C. Oertel.

The following subjects have been chosen as likely to be of general interest. In most cases an introductory lecture will be followed by a practical demonstration: