

ditional \$9,500 was recommended to continue experiments on projects already begun.

These studies, Dr. Robert G. Hockett, scientific director of the foundation, announced, implement the original program of scientific research and are designed to develop a further understanding, not only of the product itself, but of its effect on the human system. All possible fields of research have not yet been explored. Among other projects which the foundation might support, are studies for increasing the utilization of sugar for such diversified purposes as meat curing, tanning leather, fruit freezing and in insecticides, ice cream, baking, cattle feeding, metallurgy, electro-plating, paper sizing and producing silage from hay and grass.

Dr. Hockett announced grants to the following:

Dr. Hans Selye, associate professor of histology at the Medical School of McGill University, \$10,000, for a three-year study of the effects of diets in protecting animals from the effects of over-activity of the endocrine glands.

Dr. I. M. Rabinowitch, associate professor of medicine at McGill University and director of the department of metabolism at the Montreal General Hospital, \$10,000, for investigation of the use of sugars in human nutrition in health and in disease. Dr. Rabinowitch is in charge of the clinic for diabetes, which is the largest clinic of its kind in Canada.

Dr. Gebhard Stegeman, professor of physical chemistry at the University of Pittsburgh, \$7,000, to collate all existing data and carry out new measurements of the physical properties of sugar and sugar solutions for use by industrial chemists.

Drs. F. W. Zerban and Louis Sattler, of the New York Sugar Trade Laboratory, \$4,000, for further investigation of the unfermentable constituents of molasses. These investigators have made important contributions to the study of molasses, including identification of allulose as one of its constituents.

Dr. George R. Cowgill, professor of nutrition at Yale University Medical School, \$3,600, to survey the vitamin content of various products of the sugar industry at the point when they reach the market. The survey will cover raw sugars, soft sugars, molasses, syrups, white sugars and high-test molasses.

Professor L. T. Samuels, head of the department of biochemistry at the University of Utah, \$3,500, to study the capacity of animals to adjust themselves physiologically to various types of diets.

Dr. H. M. Wuest, of the Brooklyn Polytechnic Institute, \$1,900, to study preparation of several compounds closely related to vitamin B<sub>1</sub> and study their effects on assay methods.

Drs. Walter D. Bonner and Ralph F. Phillips, of the department of chemistry of the University of Utah, \$1,500, to study production of certain glucose derivatives directly from sugar and molasses.

In addition to the new grants, an additional \$5,000 was awarded to Professor L. Emmett Holt, Jr., of the

Medical School of New York University, to continue his work on the synthesis of vitamins in the intestinal tract under the influence of various diets.

A renewal of a \$4,500 grant was given to Professor James M. Neill, of the department of bacteriology and immunology at the Cornell University Medical School.

#### GRANTS FROM THE PENROSE FUND OF THE AMERICAN PHILOSOPHICAL SOCIETY

At a meeting on June 1 of the research committee of the American Philosophical Society the following grants were made from the Penrose Fund:

Kenneth W. Hunt, Preparation and completion of key and catalogue for the woody plants of Charleston County, \$450.

Charles W. Metz, Analysis of evolutionary changes occurring within the chromosomes in *Sciara*, \$1,000.

A. F. Blakeslee, Embryology in plants, especially in the genus *Datura*, \$1,500.

Sister M. Inez Hilger, Ethnological field study of the beliefs, customs, etc., in the rearing and training of the Araucanian Indian child of Chile, \$1,500.

Wallace Craig, The space system of the perceiving self, \$1,250.

Philip P. Wiener, Intellectual developments in America surrounding Chauncey Wright and other members of the Metaphysical Club with respect to basic idea of evolutionism in the years 1850-1875, \$1,000.

William J. Roach, Edition and critical study of the First Old French Continuation of the *Perceval* of Chretien de Troyes, \$1,500.

Joseph E. Hellmer, Field study of regional Mexican folk music, \$570.

Victor Zuckerkandl, To determine theoretically the function of music in the spiritual life of modern man, \$600.

George Steindorff, Completion of Coptic Grammar in English, \$600.

Lyman H. Butterfield, Survey of materials by and relating to Dr. Benjamin Rush, \$200.

#### THE AMERICAN SOCIETY OF TROPICAL MEDICINE

At the annual meeting held in St. Louis in November of the American Society of Tropical Medicine, of which Dr. R. E. Dyer is president, the report of the committee on war and postwar problems was presented and approved.

In this report, printed in *Tropical Medicine News*, the committee requested the Surgeon General of the U. S. Public Health Service:

(1) To organize teaching teams to visit laboratories in the states for the instruction of personnel in the techniques of laboratory diagnosis of tropical diseases.

(2) To disseminate appropriate articles on the diag-

nosis and treatment of tropical diseases to the practising physician.

(3) To form a library of teaching films to be loaned to medical societies and other appropriate organizations.

The Surgeon General agreed to sponsor the program and called upon Medical Director L. L. Williams, Jr., to formulate plans. The program, as originally proposed by Dr. Williams, provided for the recruiting and training of ex-servicemen as technicians to be assigned to state health department laboratories, these technicians to serve the States both in the laboratory diagnosis of tropical diseases and in training other technicians within the States. Dr. Williams's plan provided for lectures by teams of lecturers well qualified to cover the field of tropical medicine, who were to visit state and local medical societies.

Since the assignment of Dr. Williams to the Department of State, the carrying out of the program has been transferred to the Office of Malaria Control in War Areas (of the States Relations Division) in

Atlanta, with Surgeon (R) William S. Boyd in charge.

The situation was canvassed in regard to the recruiting of personnel, particularly ex-servicemen, with the view of preparing these men for duty in state health department laboratories. It was soon realized that for the present it would not be possible to enlist a sufficient number of qualified men to carry on the program as originally planned. Therefore the decision was reached to set up in Atlanta expanded laboratory facilities to serve a threefold purpose:

(1) To offer intensive training in the laboratory diagnosis of tropical diseases.

(2) To serve as a diagnostic center for examination of specimens referred by state departments of health and for examinations of diagnostic materials obtained for survey purposes.

(3) To make available to technicians in state and local health department laboratories diagnostic and reference materials.

The first class for state laboratory technicians will be opened on October 1.

## SCIENTIFIC NOTES AND NEWS

THE Baltimore Chapter of the American Institute of Chemistry recently presented to Dr. E. Emmet Reid, professor of chemistry emeritus of the Johns Hopkins University, an honorary membership scroll "in recognition of services as a scientist, industrialist, inventor, teacher and humanitarian."

THE fourth annual John Wesley Hyatt Award for outstanding achievement in the plastics industry was presented in New York on June 13 to William Iler Beach, chief plastics engineer of North American Aviation, Inc., Inglewood, Calif. Mr. Beach received the award for his work on the post forming of laminates, which made possible the manufacture of certain critically needed parts for the aircraft industry. The presentation of the gold medal and the sum of \$1,000 was made by George K. Scribner, representing the John Wesley Hyatt Award Committee at a dinner given at the Waldorf-Astoria.

THE degree of doctor of science of Bucknell University was conferred on Dr. Doncaster G. Humm on June 23 in recognition of his work on "the standardization and validation of the Humm-Wadsworth Temperament Scale and its application to over three million industrial workers."

At its sixty-eighth annual commencement on June 17, the University of Oregon conferred the doctorate of science on William Fitch Allen, professor of anatomy and head of the department at the Medical School, with the following citation: "In recognition of his notable contributions to the sciences of anatomy

and physiology; the urge to research and productive scholarship implanted in the minds of generations of students; and his long and devoted career as teacher and mentor of medical men of the Pacific Northwest." The degree of doctor of laws was conferred on Lewis Ankeny McArthur, president of the Oregon Historical Society and author of "Oregon Geographical Names." The citation reads: "In recognition of his painstaking and fruitful researches into the origin of place names in Oregon; the lasting stimulus he gave to wide-spread popular interest in local history; and his continuing zeal for the social welfare manifested in manifold acts of public service."

LAVAL UNIVERSITY at its commencement exercises conferred the doctorate of science, *honoris causa*, on A. F. G. Cadenhead, director of the department of plant research at Shawinigan Chemicals, Ltd.

DR. J. E. W. WALLIN reached the retirement age in the Wilmington, Delaware, school system at the close of the scholastic year in June, but continues under the recently enacted State Retirement Act to serve the State Board of Education on a part-time basis as director of special education and mental hygiene. At a testimonial dinner on March 21, sponsored by Wilmington special education teachers, he was presented with a leather-bound volume containing 117 letters of appreciation from university presidents, deans and professors, public school superintendents, principals and teachers, clinic and research directors, and others from twenty-four states, Hawaii and the District of