

for one year, 1938-39, for investigation of the effects of radiation, particularly in reference to the stroma of tumors, by Drs. Ashley W. Oughterson and Edwin A. Lawrence.

To the Cushing Brain Tumor Registry for studies of the natural history of tumors of the brain, meninges and related structures and for the work of the registry, by Drs. Harvey Cushing and Louise Eisenhardt, \$2,500 per year for three years, 1938-41.

This is the first allocation from an appropriation of \$10,000 per year for three years, 1938-41, for cancer research in various departments of Yale University, not yet specified.

To the School of Medicine for the construction of quarters for animals, to be used at first for housing Dr. Leonell C. Strong's colony of cancer-susceptible and cancer-resistant mice, \$15,000 to be expended in 1937-38.

In connection with this or other projects appropriation has been made in the amount of \$2,500 for the wages of a caretaker of animals and to supplement funds for quarters and maintenance of animals, for one year, 1938-39.

Two additional appropriations have been made to increase facilities for cancer research and to assist coordination of work at Yale. The ownership of material purchased under these grants remains with the Childs Fund. These are:

For the purchase of books, monographs and periodicals in the field of knowledge of cancer, \$3,000 to be expended over a period of four years, 1937-41. For the binding, cataloguing, shelving and care of these books, the sum of \$1,000 has been made available. The books will be deposited in the medical library in the Sterling Hall of Medicine.

For the purchase of ultracentrifuges, ultra-violet spectrograph, spectrophotometer, Warburg respiration apparatus and other special apparatus, \$10,000 was appropriated for use during the year 1937-38. This apparatus, located in laboratories in the department of physiological chemistry, under the supervision of Dr. Kurt G. Stern, will be available for use by members of the group of investigators of cancer.

APPOINTMENTS AND PROMOTIONS AT THE ROCKEFELLER INSTITUTE FOR MEDICAL RESEARCH

THE Board of Scientific Directors of the Rockefeller Institute for Medical Research announces the following appointments and promotions on the scientific staff to take effect on or after July 1, 1938:

Promotions:

Associate to Associate Member—Dr. René J. Dubos, Dr. Kenneth Goodner, Dr. Rafael Lorente de Nó, Dr. John B. Nelson.

Assistant to Associate—Dr. Albert Claude, Dr. Joseph S. Fruton, Dr. John G. Kidd, Dr. Colin M. MacLeod, Dr. William C. Price, Dr. Charles V. Seastone, Jr., Dr. Joseph E. Smadel, Dr. Philip R. White.

Fellow to Assistant—Dr. Max A. Lauffer, Jr.

New Appointments:

Assistants—Dr. Jorge Casals-Ariet, Dr. Smith O. Dexter, Jr., Dr. Thomas D. Dublin, Dr. William F. Friedewald, Dr. Rollin D. Hotchkiss, Dr. Francis H. Wright.

Dr. Paul B. Beeson has been appointed resident physician at the hospital.

Fellows—Mark H. Adams, Dr. Konrad Dobriner, Dr. Robert S. Dow, Dr. Isabel M. Morgan, Dr. Ernst Scharrer.

Also the following changes in the administrative staff:

The retirement of Miss Lillia M. D. Trask, as librarian, after 27 years of service.

In the hospital, the retirement of Miss Nancy P. Elliott, superintendent, Miss Mary B. Thompson, assistant superintendent, who have served since the opening of the hospital in 1910, and Miss Katherine M. Christhilf, housekeeper, who has served since 1913, to be succeeded by Miss Alice N. Lockie as superintendent, Miss Georgina M. Drew as assistant superintendent and Miss Stella R. Hoffman as supervisor of nurses.

DOCTORATES OF SCIENCE CONFERRED BY HARVARD AND PRINCETON UNIVERSITIES

As announced last week in *SCIENCE*, the degree of doctor of science was conferred by Harvard University on Dr. Frank R. Lillie, Dr. Wendell M. Stanley and Dr. Irving Langmuir. The citations made by President James Bryant Conant follow:

Frank R. Lillie, dean of the division of biological sciences, University of Chicago; doctor of science, "A marine biologist honored and admired both for his own investigations and for his ability to aid his fellow workers as dean at Chicago and director at Woods Hole." Wendell M. Stanley, biochemist with the Rockefeller Institute, Princeton, N. J.; doctor of science, "A biochemist who has cooperated effectively with plant pathologists; his isolation of a crystalline filterable virus has turned a new page in the history of medicine."

Irving Langmuir, research chemist with General Electric Company, Schenectady, N. Y.; doctor of science, "Nobel Laureate in chemistry, but yet a physicist; his penetrating studies of solid surfaces have aided both industry and science."

Princeton University on June 22 conferred the doctorate of science on Dr. Charles J. Hatfield and on Clinton Joseph Davisson. In presenting the recipients of honorary degrees, Professor Luther Pfahler Eisenhart, dean of the Graduate School, spoke as follows:

Charles James Hatfield, a graduate of Princeton of the great Class of 1888 and of the Medical School of the University of Pennsylvania; for many years executive director of the Henry Phipps Institute for the Study,