

MURRAY RABINOWITZ of the Rockefeller Institute for Medical Research has been appointed director of the central Cardiopulmonary Laboratory at the University of Chicago, effective in September. Rabinowitz has been working with Fritz Lipmann's biochemical research laboratory at the institute.

This year's honorary degree recipients include the following:

PETER P. ALEXANDER, chairman of the board of Metal Hydrides, Inc., from Northeastern University.

ERNEST W. BURGESS, professor emeritus of the University of Chicago, from Western Reserve University.

WILLIAM H. EISENMAN, former national secretary for the American Society for Metals, from Western Reserve University.

JOHN F. ENDERS, professor of bacteriology and immunology at Harvard Medical School, from Western Reserve University.

GEORGE H. HART, emeritus dean of the School of Veterinary Medicine, University of California, Davis, from the University of California, Berkeley.

HELEN S. HOGG, professor of astronomy at the University of Toronto, from Mount Holyoke College.

JAMES G. HORSFALL, director of the Connecticut Agricultural Experiment Station, from the University of Vermont.

TSUNG DAO LEE, professor of physics at Columbia University, from Princeton University.

ROBERT T. LEGGE, emeritus professor of hygiene, from the University of California, Berkeley.

GUSTAV J. MARTIN, vice president and director of research of the National Drug Company of Philadelphia, from Philadelphia College of Pharmacy and Science.

ISIDOR S. RAVDIN, John Rhea Barton professor of surgery of the School of Medicine of the University of Pennsylvania, from Philadelphia College of Pharmacy and Science.

J. E. WALLACE WALLIN, retired director, division of special education and mental hygiene, department of public instruction, Wilmington, Delaware, from Upsala College.

H. BRADFORD WASHBURN, JR., director of the Boston Museum of Science, from Northeastern University.

SEWALL WRIGHT, professor of zoology at the University of Wisconsin, from Western Reserve University.

CHIEN SHIUNG WU, associate professor of physics at Columbia University, from Princeton University.

CHEN NING YANG, professor of physics at the Institute for Advanced Study, Princeton, N.J., from Princeton University.

WALTER BAADE, for 27 years a member of the staff of the Mount Wilson and Palomar Observatories, has retired from the California Institute of Technology and the Carnegie Institution of Washington.

Baade is noted for his discovery that two entirely different types of stars (populations I and II) exist. This discovery led to his recalibration of Cepheid variable stars, distance indicators in the Andromeda nebula, and his correction in the cosmic distance scale. His work, which was reported at the International Astronomical Union meeting in September 1952, indicated that all objects beyond the Milky Way are about twice as far from the earth as had previously been supposed. Baade has also collaborated with Rudolph Minkowski in the identification of radio sources with optically observed objects, and in the physical interpretation of the nature of these sources.

Baade, a native of Schröttinghausen, Germany, studied at the Universities of Münster and Göttingen. He received his Ph.D. degree in 1919 at Göttingen and in that same year was appointed to the staff of the Hamburg Observatory, where he remained until he received his appointment to the Mount Wilson staff in 1931.

F. W. SPIERS, professor of physics at the University of Leeds, Leeds, England, will be in the United States and Canada from 21 July till the end of August. He will attend the International Congress of Radiation Research in Burlington, Vermont, 10-16 August, and will also visit Cambridge, Mass.; Ottawa; Toronto; Lemont, Ill.; Warrendale, Pa.; Oakridge, Tenn.; and Washington, D.C.

H. G. THORNTON, A. V. HILL, RUDOLPH PETERS, GEORGE TAYLOR, and D. C. MARTIN have been appointed by the Royal Society to attend the eighth General Assembly of the International Council of Scientific Unions, at the National Academy of Sciences, Washington, 2-6 October.

C. KINNEY HANCOCK, professor of chemistry at the Agricultural and Mechanical College of Texas, has received the 1958 award of \$1000 from the Association of Former Students of Texas A. and M. This award is given in recognition of research performed in addition to duties as a teacher.

A bronze plaque commemorating 38 years of outstanding service to Cornell University by emeritus professor WALTER C. MUENSCHER was dedicated recently at the university. Muenschler is an internationally known specialist in weeds and poisonous plants.

C. D. SHANE, director of the University of California's Lick Observatory at Mount Hamilton, has retired from the directorship after 13 years of service. His successor is ALBERT E. WHITFORD, director of the Washburn Observatory at the University of Wisconsin.

JAMES A. OLIVER has been appointed director of the Bronx Zoo. He had been curator of reptiles at the zoo since 1 September 1951, and assistant director since 28 April of this year.

EDWIN H. ELLISON, professor of surgery at Ohio State University College of Medicine, has been appointed professor and director of the department of surgery at Marquette University School of Medicine.

Recent Deaths

CONDIT W. CUTLER, New York, N.Y.; 69; professor of clinical surgery at Columbia University, 1947-54; director of surgery at the Goldwater Memorial Hospital on Welfare Island, 1939-53; specialist in surgery of the hands and joints; author of *The Hand: Its Diseases and Disabilities*; 6 July.

GRAHAM L. DAVIS, Morehead City, N.C.; 65; director of the division of hospitals for the W. K. Kellogg Foundation; president of the American Hospital Association 1945-48; 4 July.

ROBERTO FRANCO, New York, N.Y.; 84; founder and first president of the University of Los Andes, Bogotá; specialist in research on tropical diseases in North Africa and Colombia; 5 July.

FELIX FRISCH, Trenton, N.J.; 78; chief of neurology at McKinley Hospital; performed research in epilepsy on the staff of the New Jersey Neuropathic Institute in Skillman, 1938-45; former chief of neurology at the Rothschild Hospital in Vienna, Austria; 5 July.

MANUEL HERSCHDORFER, South Orange, N.J.; 61; head of the department of mathematics of Seton Hall University; taught at Johns Hopkins University and at Amherst College; 6 July.

NELSON S. MAYO, Highland Park, Ill.; 91; former professor of veterinary medicine; retired export manager for Abbott Laboratories; former staff member at Kansas State College, Connecticut State College, and Virginia Polytechnic Institute; 5 July.

SAMUEL T. YUSTER, Los Angeles, Calif.; 54; professor of engineering at the University of California, Los Angeles; former chairman of the petroleum engineering department at Pennsylvania State University; performed research on the production of petroleum and on the reduction of smog by altering automobile exhausts; 3 July.