

search program. Hantush, who holds a doctoral degree from the University of Utah, recently served as dean of the College of Engineering at the University of Baghdad.

Rear Admiral HYMAN G. RICKOVER, pioneer in nuclear powered engines, was awarded the first Michael I. Pupin 100th Anniversary Medal of the Columbia Engineering School Alumni Association for "service to the nation."

GUSTAVE FREEMAN, head of the clinical pharmacology and therapeutics section at the Cancer Chemotherapy National Service Center, Bethesda, Md., has joined the biological sciences department at Stanford Research Institute as program director of medical research. He will direct preclinical cancer research at S.R.I. and clinical studies conducted with neighboring hospitals. He will also work on an advanced program in nucleic acids with G. W. Beadle at California Institute of Technology. They will study the action of selected cancer chemotherapeutic agents on nucleic acids.

WILLIAM E. PARHAM, professor of chemistry at the University of Minnesota, has been appointed chief of the university's Division of Organic Chemistry. He succeeds LEE I. SMITH, who is retiring from administrative duties but who will continue his research and teaching.

JOSEPH G. BENTON, associate professor of clinical physical medicine and rehabilitation at the New York University College of Medicine, has been appointed professor and chairman of the newly established department of rehabilitation medicine at the State University of New York Downstate Medical Center, Brooklyn, and director of the rehabilitation department at Kings County Hospital Center, also in Brooklyn. Benton has been associated since 1948 with Howard Rusk, director of the Institute of Physical Medicine and Rehabilitation of the New York University-Bellevue Medical Center.

HARRY GREEN, formerly chief of biochemical research at the Wills Eye Hospital, Philadelphia, Pa., has joined the biochemistry research section of Smith Kline and French Laboratories, Philadelphia.

CHARLES E. PALM has been named dean of the New York State College of Agriculture at Cornell University, effective 1 July 1959. Former head of the university's department of entomology and limnology, he is now director of the Cornell Agricultural Experiment Station

and research director for the State College of Agriculture and Home Economics.

The following appointments and staff changes have occurred in the physics department at the University of Maryland.

ERNST OPIK of Armagh Observatory, Northern Ireland, has been appointed a visiting professor for the academic year 1958-59. ROY BRITTEN of the Carnegie Institution of Washington is teaching biophysics during the fall as a part-time visiting professor. JOHN L. WARD of the University of Miami is a visiting research professor for the summer and fall sessions, 1958.

GEORGE SNOW, formerly of the Naval Research Laboratory, has been appointed associate professor. He will conduct experimental and theoretical research in high energy physics.

Two Maryland physicists are in Europe this year as John Simon Guggenheim Memorial Foundation fellows. JOHN S. TOLL, chairman of the department, is at the Institute for Theoretical Physics in Copenhagen. ELLIOTT MONTROLL, professor, is spending the year at the Free University of Brussels. ROY S. ANDERSON, associate professor, is also on leave of absence; he is conducting research at the University of California in Berkeley.

HOMER J. STEWART, professor of aeronautics at California Institute of Technology and chief of the liquid propulsion systems division in the institute's Jet Propulsion Laboratory, has been appointed director of the Office of Program Planning and Evaluation of the National Aeronautics and Space Administration.

VICTOR HICKS, chief physicist at the Allen-Bradley Company, Milwaukee, Wis., has been appointed research professor of physics at Marquette University. He will retain his position as chief physicist at Allen-Bradley.

S. H. BAUER, professor in the department of chemistry at Cornell University, has been appointed professor at the Cornell Aeronautical Laboratory, Buffalo, for the academic year 1958-59.

OSCAR E. OLSON has been named dean of the graduate division at South Dakota College. He will continue in his present position as head of the agricultural experiment station biochemistry department.

JOHN H. BLAND, associate professor of medicine at the University of Vermont, began in September a year of study and research with J. H. Kellgren,

director of the Rheumatic Center, University of Manchester, England.

Also at Vermont, A. EDWARD CLINTIN ANDREWS, JR., formerly of Johns Hopkins Hospital, has been appointed associate professor of pathology.

R. C. ELDERFIELD, professor of chemistry at the University of Michigan, will discuss "Australian Trees and High Blood Pressure" as a Sigma Xi national lecturer at a number of colleges and universities during November and December.

E. A. VUILLEUMIER, member of the Dickinson College faculty for 38 years, has been succeeded as chairman of the chemistry department by HORACE E. ROGERS, one of his former students and professor of analytical chemistry at the college.

MILTON C. KLOETZEL, professor of organic chemistry at the University of Southern California, has been promoted to dean of the Graduate School.

## Recent Deaths

RAYMOND H. BARROWS, Pleasantville, N.Y.; 59; executive vice president of the National Foundation, formerly the National Foundation for Infantile Paralysis; Red Cross vice president and area manager in the Pacific zone, 1949-51; formerly construction engineer for the National Carbonic Machinery Company; 22 Oct.

LOUIS E. BERNARD, North Tarrytown-on-Hudson, N.Y.; 60; owner and director of Stony Lodge, Ossining, a private psychiatric hospital; associate director of the Croton Manor Sanitarium, 1945-49; 23 Oct.

ALVIN D. CASKEY, Mountainside, N.J.; 77; retired in 1947 as a chemist with the Westinghouse Electric Company, Bloomfield, N.J.; had worked with Thomas A. Edison; 23 Oct.

NIKOLAI N. SLAVYANOV, Moscow; U.S.S.R.; 81; geologist and hydrogeologist, who published 120 papers in a career than began in 1908; 15 Oct.

GEORGE K. STRODE, Brattleboro, Vt.; 72; specialist on public health; director of the International Health Division of the Rockefeller Foundation, 1944-51; between 1920 and 1938 worked in Brazil, Europe, Africa, and the Near East; received decorations from the governments of Norway, Denmark, Bulgaria, Portugal, France, Rumania, and Sweden; author of *Yellow Fever*; 28 Oct.

ROBERT R. TUFTS, Cleveland, Ohio; 49; professor of engineering administration and head of the management development program at Case Institute of Technology; 14 Oct.