

losophy the same year. In 1915 and 1916 he did special research at the University of Berlin, and University College, London.

During 1916 and 1917 he was research associate in theoretical chemistry, first at M.I.T. and then at the California Institute of Technology. He was metallurgical and research engineer for Guggenheim Brothers and then for the Chile Copper Company between 1919 and 1924, and from 1924 to 1928 he was vice president and consulting engineer of the Anglo-Chilean Consolidated Nitrate Corporation.

RALPH W. CHANEY, professor of paleontology in the department of paleontology at the University of California, Berkeley, and curator of the paleobotanical collections in the university's Museum of Paleontology, will retire on 1 July. He has been at the university since 1930. Prior to that date he was a research associate for the Carnegie Institution of Washington, a position he still holds; earlier still, he was on the staff of the University of Iowa. Chaney is well known for his studies of Tertiary plants in western America and eastern Asia.

WAYNE L. FRY, paleobotanist with the Geological Survey of Canada, has been appointed assistant professor in the department of paleontology and curator of the paleobotanical collections to fill the vacancies created by Chaney's retirement.

ARTHUR C. MENIUS, Jr., professor of physics, has been appointed head of the department of physics at North Carolina State College's School of Engineering. A member of the State College faculty since 1949, Menius replaced CLIFFORD K. BECK, who resigned the post last July but retained his rank as professor of physics. Beck is now on leave of absence with the U.S. Atomic Energy Commission.

KENNETH W. CHAPMAN has been appointed associate director of the Clinical Center, the combined clinical and laboratory research facility of the Public Health Service's National Institutes of Health, Bethesda, Md. Since 1946, Chapman has specialized in hospital administration, principally with the Public Health Service in Washington, D.C., where he served in several capacities. His most recent assignment was with the National Institute of Mental Health, where he was consultant to state and community hospitals and health services on the medical problems of narcotic addiction.

LORRIN A. RIGGS of Brown University received the Howard Crosby Warren medal and a cash award during the

recent annual meeting of the Society of Experimental Psychologists that was held at Harvard University. Riggs was cited "for his extraordinarily fruitful techniques of recording electrical potentials from the human retina and for his many significant contributions to systematic knowledge and theory of vision that these techniques have made possible."

JONAS E. SALK, head of the department of preventive medicine at the University of Pittsburgh, has received the Howard Taylor Ricketts prize of the University of Chicago for "his contributions to basic research in the field of immunology and the practical utilization of this knowledge in the development of a vaccine for poliomyelitis."

MURRAY SANDERS, research professor and director of the department of microbiology at the University of Miami, has accepted an invitation from the Czechoslovakian Academy of Sciences to deliver a series of lectures in that nation during the coming summer. He will speak at Czech medical and research institutes on virus cultivation and virus research conducted at the University of Miami.

DMITRI BLOKHINTSEV, director of the U.S.S.R.'s new joint nuclear research institute, has received one of the 1957 Lenin prizes, as has ANDREI N. TUPOLEV, designer of the jet airliner Tu-104. The Lenin prizes are awarded by committees of the Soviet Council of Ministers for work in science, technology, literature, and fine arts.

EDWARD A. MARCEY has retired after 40 years of service with the National Institutes of Health and its predecessor the Public Health Service Hygienic Laboratory. A medical biology technician with the Laboratory of Infectious Diseases, he was NIH's oldest employee in point of service. He has been officially cited for outstanding performance of his duties.

At the National Bureau of Standards, RALPH P. HUDSON and ERNEST AMBLER of the cryogenic physics section and RAYMOND W. HAYWARD and DALE D. HOPPEs of the radioactivity section have been awarded the Department of Commerce Gold Medal for Exceptional Service. The award recognizes their "outstanding contribution to science" in demonstrating the breakdown of the parity law in nuclear physics for weak interactions. The low-temperature experiments conducted at the bureau by these men demonstrated that the quantum mechanical law of conservation of parity does not hold in the beta decay of cobalt-60 nuclei, dis-

proving a fundamental concept of nuclear physics that had been universally accepted for the past 30 years.

Recent Deaths

LAURENCE W. CODDING, Glen Ridge, N.J.; 58; electrical engineer; 30 April.

GEORGE H. DAVIS, Larchmont, N.Y.; 93; construction engineer and pioneer in the aircraft industry; 3 May.

SAMUEL R. DETWILER, New York, N.Y.; 67; professor and executive officer of the department of anatomy at the College of Physicians and Surgeons, Columbia University; 2 May.

WILHELM FILCHNER, Zurich, Switzerland; 79; German explorer who headed expeditions into Asia and Antarctica; 7 May.

A. ARTHUR HATCH, Easton, Pa.; 79; associate professor emeritus of mathematics at Lafayette College; 7 May.

JOHN JAY HOPKINS, Washington, D.C.; 63; board chairman of the General Dynamics Corporation; 3 May.

HUNG-CHIN CHOW, Taipei, Taiwan; 55; director general and acting director of the Institute of Mathematics in the Academia Sinica; visiting scholar in mathematics at Cornell University; 7 May.

HENRY A. HUSTON, Kew Gardens, N.Y.; 99; soil chemist who organized and headed the department of agricultural chemistry at Purdue University; 4 May.

ROBERT P. JACOBSON, Shrewsbury, Mass.; 50; senior scientist at the Worcester Foundation for Experimental Biology; 3 May.

JOSEPH W. KENNEDY, Ladue, Mo.; 40; chairman of the department of chemistry at Washington University; 5 May.

FRANK H. REED, Urbana, Ill.; 67; chief chemist of the Illinois State Geological Survey; 27 Apr.

ELNORA E. THOMSON, San Francisco, Calif.; 83; former president of the American Nurses Association and a leader in the fields of mental hygiene and public health who had been professor of applied sociology and director of health and nursing education at the University of Oregon School of Social Work; 24 Apr.

JOHN B. TRIMBLE, White Plains, N.Y.; 59; retired mechanical engineer; 29 Apr.

GEORGE M. WELLS, Upper Montclair, N.J.; 77; consulting engineer who assisted in the design and construction of the Panama Canal; 3 May.

ARTHUR M. YUDKIN, Woodbridge, Conn.; 65; clinical professor of ophthalmology at the school of Medicine, Yale University; 2 May.