

S 34. Provide relief for producers of certain critical minerals, metals, and materials indispensable in construction of jet engines. Malone (R Nev.) Senate Interior and Insular Affairs.

S 47. Authorize further extension of certain noncompetitive oil or gas leases issued under Mineral Leasing Act of February 25, 1920, as amended. Anderson (D N.M.) Senate Interior and Insular Affairs.

S 98. Provide for establishment and operation of mining and metallurgical research establishment in Minnesota. Humphrey (D Minn.) Senate Interior and Insular Affairs.

S 151. Provide for civilian atomic power acceleration program. Gore (D Tenn.) Atomic Energy.

S 207. Authorize conveyance to former owners of mineral interests in certain submarginal lands acquired by U.S. in state of North Dakota, South Dakota, Colorado, and Montana. Langer (R N.D.), Young (R N.D.) Senate Agriculture and Forestry.

S 224. Provide for return to former owners of certain lands acquired in connection with Fort Randall Dam project, Oahe Dam project, Gavins Point Dam project, of mineral, oil or gas interests in such lands. Mundt (R S.D.) Senate Interior and Insular Affairs.

S 242. Provide for establishment and operation of a mining and metallurgical research establishment in Maine. Payne (R Maine) Senate Interior and Insular Affairs.

S 268. Provide that Secretary of Army return certain mineral interest in land acquired by him for flood-control purposes. Johnson (D Miss.), Eastland (D Miss.) Senate Public Works.

S 134. Authorize acquisition of certain lands in Sississippi Lake, Ill., in connection with operation of Illinois and Mississippi Canal. Dirksen (R Ill.) Senate Public Works.

S 145. Authorize Secretary of Interior to construct, operate, and maintain a regulating reservoir and other works at Burns Creek site in Upper Snake River Valley, Idaho. Dworshak (R Idaho) Senate Public Works.

HR 350. Provide for federal participation and cooperation with state and local interests in developing water supplies in connection, maintenance, and operation of federal navigation, flood control, or multiple-purpose projects. Natcher (D Ky.) House Public Works.

S 106. Exempt motor vehicles sold for use of religious and nonprofit educational institutions from federal excise tax. Dirksen (R Ill.) Senate Finance.

S 175. Allow additional income tax exemption for dependent child who is full-time college student. Langer (R N.D.), Young (R N.D.) Senate Labor and Public Welfare.

HR 490. Amend Internal Revenue Code of 1954 to provide a 30-percent credit against individual income tax for amounts paid as tuition or fees to certain public and private institutions of higher education. Thompson (D N.J.) House Ways and Means.

Scientists in the News

FRANCIS D. MURPHY, professor and director of the department of medicine at Marquette University and a member of the faculty for 35 years, has been honored by the establishment at the university of an endowed chair of medicine in his name. A fund of \$350,000 has been established anonymously by a Milwaukee donor.

The income and principal of this endowment is to be spent over a period of 25 years. At present it will pay the salaries of two full-time associate professors. Upon Murphy's retirement, the full-time professor and director of the department will receive his appointment through this endowment as the Francis D. Murphy professor of medicine.

SERGE E. GOLIAN has been appointed head of the reactors branch, Radiation Division, Naval Research Laboratory, Washington, D.C.

THORNTON C. FRY, a mathematician and, until his recent retirement, assistant to the president of the Bell Laboratories, has been appointed senior consultant for Remington Rand Univac, St. Paul, Minn.

R. J. GARBER, who has been director of the U.S. Regional Pasture Research Laboratory at Pennsylvania State University since it was established in 1936, has resigned to accept a professorship at the University of Illinois. In his new post he will serve as a consultant in the north-central region of India, with headquarters at Madhya Bharat College of Agriculture and Research Institute, Gwalior.

Maj. Gen. HARRY O. REICHELDERFER, who retired in 1956 as deputy commanding general of the 4th Army, has been named an assistant vice president in the physical sciences division of the Southwest Research Institute, San Antonio, Tex. His duties will include liaison between the institute and its industrial and military research sponsors, especially in the field of electronics.

ALBERT B. SCOTT, formerly director of product development for Merck and Company (chemical division), has joined the Central Pharmacal Company, Seymour, Ind., as director of research and product development.

DARYLL FORDE, professor of anthropology at the University of London who is visiting the University of California at Berkeley this year, is one of four scholars appointed for the first year of the Phi Beta Kappa visiting scholar lecture program. Forde has recently been engaged in research on social change under urban conditions in tropical Africa. In 1954 he directed a UNESCO conference on this subject and has done extensive field work in West Africa. A former president of the Royal Anthropological Institute, he has been director since 1944 of the International African Institute, founded for the development and coordination of research into African societies and their modern developments.

Forde's particular interests are in societies which have been outside the orbit of the great civilizations and in the impact of modern commerce and industrial development upon their cultures. On his 2- or 3-day visits to universities under the Phi Beta Kappa program, he is lecturing or conducting discussions on many phases of these interests, including the analysis of primitive societies to illustrate the functions and range of complexity of their institutions, as well as the conditions and processes involved in social evolution, and a sketch of the effects of progressive technical advance on the increasing scale and integration of human societies from the Ice Age to the Industrial Revolution. He is also presenting a study of the successive economic changes that have underlain the increasingly rapid social development of West Africa.

Other Phi Beta Kappa visiting scholars are EDWIN G. NOURSE, vice chairman of the Joint Council of Economic Education, a nonprofit organization which assists school systems and teacher-training institutions in improving the quality of social science and economic education, and REUBEN G. GUSTAVSON, president and executive director of Resources for the Future, Inc., a fund established by the Ford Foundation to conduct scientific research in the conservation and wise use and development of natural resources. In his Phi Beta Kappa lectures, Gustavson is discussing the implications for man's future of the tremendous advances that have been made in the physical, biological, and social sciences.

HARDY L. SHIRLEY, dean of the State University College of Forestry at Syracuse University, has been made an honorary member of the Society of Finnish Foresters. He was honored for his "outstanding contributions to the field of international forestry."

MELVILLE EASTHAM has received the Armstrong medal of the Radio Club of America "in recognition of his out-

standing contributions to the art of precision measurements in the radio and electronics field." Eastham founded the General Radio Company, Cambridge, Mass., and now holds the title of honorary president. He was president of the firm from 1915 to 1944 and chief engineer from 1915 to 1950.

WAYNE P. BROBECK, who for the last 10 years has served with the Joint Congressional Committee on Atomic Energy, will join the American Research and Development Corporation as a staff associate. He will make his home in Boston, Mass., the company's headquarters.

CECIL H. ROBINSON, formerly of Glaxo Laboratories, Ltd., Greenford, Middlesex, England, has been appointed chemist in the chemical research department of the Schering Corporation, Bloomfield, N.J.

LYMAN A. BLISS has been appointed president of Union Carbide Nuclear Company, a division of Union Carbide and Carbon Corporation. He succeeds KENNETH RUSH, a vice president of Union Carbide and Carbon Corporation, who will continue to have over-all responsibility for the corporation's nuclear and international activities.

BRUNO H. ZIMM of the General Electric Company Research Laboratories, Schenectady, N.Y., a specialist in polymers, has received the 1957 Leo Hendrik Baekeland award of the American Chemical Society's North Jersey Section. The \$1000 award, which is sponsored by the Bakelite Company, is conferred biennially upon an American chemist under 40 in recognition of accomplishments in pure or industrial chemistry.

ERWIN P. VOLLMER, head, Endocrinology Branch, Naval Medical Research Institute, National Naval Medical Center, Bethesda, Md., has accepted a position as executive secretary of the Endocrinology Panel, Cancer Chemotherapy National Service Center.

HETTY GOLDMAN, an archeologist and the only woman appointed a professor at the Institute for Advanced Study, Princeton, N.J., was honored at a reception on her 75th birthday. J. Robert Oppenheimer, director of the institute, and his wife, were hosts on the occasion. A volume of essays, *The Aegean and the Near East*, dealing with aspects of Dr. Goldman's field, was presented by Oppenheimer. Sponsored by the institute and especially prepared "in honor of one of its early and most distinguished members," the volume contained contributions from about 40 scholars.

JAMES G. HARLOW, associate professor of education at the University of Chicago, has taken a leave of absence to become executive vice president of the Frontiers of Science Foundation of Oklahoma. ROBERT MACVICAR, who had been serving as executive director of the foundation, has returned to his post as dean of the Graduate School of Oklahoma Agricultural and Mechanical College.

K. WARREN EASLEY, analytical chemist and project specialist in the development department of the Monsanto Chemical Company's Inorganic Chemicals Division in St. Louis, Mo., has been appointed development manager of Monsanto's Research and Engineering Division special projects department at Everett, Mass. The special projects department, which is under the direction of H. E. MORRIS, is being established to do research and development work on problems related to national defense and national welfare that complement Monsanto's long-range projects.

LEE CAHN, formerly chief project engineer for Beckman Instruments, Inc., has announced formation of the Cahn Instrument Company in Downey, Calif. The new company will design, manufacture, and sell scientific instruments. Cahn was responsible for the design of the Beckman DK-1 and DK-2 ultraviolet-near infrared automatic recording spectrophotometers, the Beckman 1R2A and 1R4 infrared recording spectrophotometers, the Beckman EASE computer, and a number of other instruments and accessories.

IRVING R. TABERSHAW, since 1953 director of the Division of Industrial Hygiene, New York State Department of Labor, has joined the Nuclear Development Corporation of America, White Plains, N.Y., as director of health and safety. He will be a pioneer in his new role, since N.D.A. is perhaps the first nuclear concern to employ a medical specialist to review both its own operations and its work for clients from the standpoint of health and safety.

Tabershaw will continue as associate professor of occupational medicine in the Columbia University School of Public Health and Administrative Medicine. He has been on the Columbia University faculty since 1946.

O. G. VILLARD, JR., of Stanford University will receive the Morris Leibmann memorial prize of the Institute of Radio Engineers at its annual convention in New York in March. He is being honored "for his contributions in the field of meteor astronomy and ionosphere physics which led to the solution of outstanding problems in radio propagation."

PETER FREUCHEN, Danish explorer and author, has won the gold medal of the International Benjamin Franklin Society for his "service to mankind in opening new frontiers."

SHIGERU I. HONDA, plant biochemist, recently joined the staff of the U.S. Plant, Soil and Nutrition Laboratory, Agricultural Research Service, Ithaca, N.Y. He is investigating the sulfur metabolism of plants. For the last 3 years he has been associated with R. N. Robertson in the Plant Physiology Unit of the Australian Commonwealth Scientific and Industrial Research Organization and with the Botany School, University of Sydney. He was also a member of the CSIRO Division of Food Preservation and Transport.

WILLIAM G. O'REGAN, formerly director of the statistical analysis department of a food products company in Orlando, Fla., has been appointed mathematical statistician at the California Forest and Range Experiment Station of the U.S. Forest Service. He will be responsible for training the technical staff in statistical methods, advising the staff on design and analysis of research studies, and conducting research on use of statistical methods in forest and range work.

Recent Deaths

JOHN M. BEAL, Chicago, Ill.; 68; professor emeritus of botany at the University of Chicago; 16 Jan.

RHODA W. BENHAM, Cedarhurst, N.Y.; 61; associate professor of dermatology at the College of Physicians and Surgeons of Columbia University; 18 Jan.

ELEANOR CAROTHERS, Kingman, Kan.; 74; cytologist who had been associated with Kansas University and the University of Pennsylvania; 7 Jan.

WILLIAM R. COX, Clifton, N.J.; 42; chemical engineer for the Seton Leather Company; 18 Jan.

HAYWARD R. HAMRICK, Penn Valley, Pa.; 49; vice president and medical director of Jefferson Hospital; 21 Jan.

GEORGE G. HEYE, New York, N.Y.; 82; founder of the Museum of the American Indian; 20 Jan.

ROBERT W. KEETON, Chicago, Ill.; 73; former head of the department of medicine at the University of Illinois College of Medicine; 22 Jan.

HERBERT S. LEWIN, Bronx, N.Y.; 49; supervising psychologist since 1948 at the New York regional office of the Veterans Administration; 23 Jan.

OSCAR L. POLK, Forest Hills, N.Y.; 58; chemical engineer with the Curtiss-Wright Corporation; 18 Jan.