

The new department will embrace the systems engineering groups of the David Sarnoff Research Center, the general engineering development section of the defense electronic products organization, and an R.C.A. advanced development engineering group which for more than a decade has concentrated on new electronic techniques and on mechanical and optical devices associated with electronics.

ONR Mathematics Associateships

Five universities have been selected to participate in a program sponsored by the Office of Naval Research that will provide research associateships in mathematics to postdoctoral candidates. Those taking part are the universities of Cornell, Tulane, Michigan, Washington, and Wisconsin.

Proposed Legislation

Of the many bills introduced in Congress, some have a special relevance to science and education. A list of such bills introduced recently follows:

S 200. Provide for control and eradication of water hyacinth and certain other aquatic plant growths. Long (D La.), Ellender (D La.) Senate Agriculture and Forestry.

HR 294. Amend Agricultural Act of 1949 and Agricultural Act of 1954 *re* brucellosis eradication program for fiscal year ending 30 June 1958. Laird (R Wis.) House Agriculture.

HR 347. Establish public use of national forest as policy of Congress. Metcalf (D Mont.) House Agriculture.

HR 377. Provide for compulsory inspection by U.S. Department of Agriculture of poultry and poultry products. Polk (D Ohio) House Agriculture.

S 191. Provide for loans to individuals for purpose of enabling them to obtain a college or university education. Langer (R N.D.) Senate Labor and Public Welfare.

S 197. Authorize an emergency 2-year program of federal financial assistance in school construction to states and local communities. McNamara (D Mich.) Senate Labor and Public Welfare.

HR 306. Provide program of grants and scholarships to encourage education and training in field of nursing. Lane (D Mass.) House Interstate and Foreign Commerce.

HR 390. Provide for loans to enable needy and scholastically qualified students to continue post-high-school education. Rodino (D N.J.) House Education and Labor.

HR 397. Encourage expansion of teaching and research in education of

mentally retarded children through grants to institutions of higher learning and to state educational agencies. Rodino (D N.J.) House Education and Labor.

S 201. Authorize comprehensive project for control and progressive eradication of salt-marsh and other injurious mosquitoes in coastal area of southwest Louisiana. Long (D La.), Ellender (D La.) Senate Public Works.

S 230. Amend title VI of Public Health Service Act, as amended, to make certain nonprofit corporations and associations eligible for federal aid under such title. Mundt (R S.D.) Senate Labor and Public Welfare.

HR 366. Amend Federal Food, Drug and Cosmetic Act for protection of public health, by prohibiting new food additives not adequately pretested to establish safe use under conditions of intended use. O'Hara (R Minn.) House Interstate and Foreign Commerce.

HR 383. Provide for establishment of Bureau of Older Persons within Department of Health, Education and Welfare; authorize federal grants to assist in development of operation of studies and projects to help older persons. Rhodes (D Pa.) House Education and Labor.

HR 483. Authorize comprehensive project for control and progressive eradication of salt-marsh and other injurious mosquitoes in coastal area of southwest Louisiana. Thompson (D La.) House Public Works.

HR 373. Establish Commission on the Aging. Ostertag (R N.Y.) House Education and Labor.

HR 307. Provide for establishment of U.S. Foreign Service Academy. Lane (D Mass.) House Foreign Affairs.

HR 491. Provide for appointment of an Assistant Secretary of State for International Cultural Relations. Thompson (D N.J.) House Foreign Affairs.

S 84. Establish Defense Cloud Modification Act of 1957. Case (R S.D.) Senate Armed Services.

HR 453. Amend Veterans' Readjustment Assistance Act of 1952 to provide education and training rights for persons enlisted in armed forces of U.S. during January 1955, but who were not on active duty on 31 Jan. 1955. Smith (D Miss.) House Veterans' Affairs.

S 37. Protect security of U.S. by preventing employment by U.S. of persons found to be disloyal to U.S. Malone (R Nev.) Senate Post Office and Civil Service.

S 195. Amend first section of act entitled "An act to prohibit payment of annuities to officers and employees of U.S. convicted of certain offenses," approved 1 Sept. 1954, to limit its application to cases involving national security. Langer (R N.D.) Senate Post Office and Civil Service.

HR 399. Authorize and direct Civil

Service Commission to make study of classification of and rates of basic compensation payable *re* technical, scientific and engineering positions in classified civil service. Rogers (D Colo.) House Post Office and Civil Service.

S 67. Provide for issuance of special postage stamp in honor of those leaders who pioneered in field of mental health. Carlson (R Kan.) Senate Post Office and Civil Service.

S 68. Provide for issuance of special postage stamp in honor of Dr. Samuel J. Crumbine, who pioneered in field of public health education. Carlson (R Kan.) Senate Post Office and Civil Service.

S 77. Establish Chesapeake and Ohio Canal National Historical Park and provide for administration and maintenance of a parkway in Maryland. Beall (R Md.) Senate Interior and Insular Affairs.

HR 392. Designate building to be constructed as principal office of Atomic Energy Commission under act of 6 May 1955 as Enrico Fermi Building, provide for establishment therein of appropriate memorial to Fermi. Rodino (D N.J.) Atomic Energy.

HR 435. Prohibit discrimination because of race, color, religion, national origin or ancestry. Roosevelt (D Calif.) House Education and Labor.

S 32. Direct Secretary of Interior to convey certain public lands in Nevada to Colorado River Commission of Nevada, acting for Nevada. Malone (R Nev.) Senate Interior and Insular Affairs.

S 258. Establish U.S. Commission on Aging and Aged. Potter (R Mich.) Senate Labor and Public Welfare.

HR 424. Establish Commission on Civil Rights in executive branch of government. Roosevelt (D Calif.) House Judiciary.

S 86. Provide for experimental research program in cloud modification. Case (R S.D.) Senate Interstate and Foreign Commerce.

HR 370. Provide that standard time be measure of time for transaction of business in interstate and foreign commerce. O'Hara (R Minn.) House Interstate and Foreign Commerce.

HR 478. Provide that one floating ocean station be maintained at all times in Gulf of Mexico to provide storm warnings for states bordering on Gulf of Mexico. Thompson (D La.) House Merchant Marine and Fisheries.

HR 481. Authorize comprehensive project for control and progressive eradication of obnoxious aquatic plant growths from navigable waters. Thompson (D La.) House Public Works.

S 7. Provide for establishment and operation of laboratory for study of utilization of soil and water resources of southeastern U.S. Thurmond (D S.C.) Senate Agriculture and Forestry.

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-