

Proposed Legislation

Since the opening of Congress on 7 January a record number of bills have been introduced. Of these many are of interest to the scientific community in that they are concerned with education, conservation, research and development, the scientific agencies, and other activities relating to science and technology. The numbers and précis of some of the major bills are given below.

(Bills are prefixed with HR in the House of Representatives, S in the Senate, followed by a number. Joint Resolutions are designated HJ Res or SJ Res; these can become law just as bills do. Concurrent Resolutions are designated H Con Res or S Con Res; these do not become law. Resolutions are designated H Res or S Res; these do not become law and are adopted only by the chamber that originates them.)

HR 127. Create an Agricultural Research and Industrial Board; define its powers and duties. Kee (D-W.Va.). Agriculture.

HR 886. Amend Watershed Protection and Flood Prevention Act re measures for erosion control. Natcher (D-Ky.). Agriculture.

S 491. Provide for establishment of a National Science Academy, a program of scientific scholarships, and encouragement of study of mathematics and science by assisting states in providing science education. Gore (D-Tenn.). Labor and Public Welfare.

HR 12. Provide for establishment of a special \$18.5 million, 7-year program of federal scholarship and fellowship grants to individuals and a \$2.5 million program of grants to public and nonprofit institutions of high education; encourage and expand training of teachers for education of exceptional children. Sullivan (D-Mo.). Education and Labor.

HR 284. Amend National Defense Education Act of 1958 to provide for 20,000 national defense scholarships. Thompson (D-N.J.). Education and Labor.

HR 3043. Amend Communications Act of 1934 to establish a program of federal matching grants for construction of television facilities to be used for educational purposes. Moulder (D-Mo.). Interstate and Foreign Commerce.

S 79. Amend Federal Food, Drug, and Cosmetic Act to permit temporary listing and certification of Citrus Red No. 2 for coloring mature oranges under tolerances found safe by the Secretary of Health, Education and Welfare. Holland (D-Fla.). Labor and Public Welfare.

S 256. Provide for establishment of Bureau of Older Persons with Department of Health, Education, and Welfare; authorize federal grants to assist in development and operation of studies and projects to help older persons. Mag-

nuson (D-Wash.). Labor and Public Welfare.

S 535. Protect public health by regulating manufacture, compounding, processing, and distribution of habit-forming barbiturate and amphetamine drugs. Hennings (D-Mo.). Labor and Public Welfare.

SJ Res 1. Establish a commission to study alcoholism in the U.S. and to make recommendations for more adequate provision of facilities for treatment, rehabilitation, and cure of alcoholics, and for prevention of alcoholism. Johnston (D-S.C.). Labor and Public Welfare.

HR 408. Direct Secretary of Commerce, acting through the National Bureau of Standards, to conduct research on the effect on human health of certain products of fuel combustion. Roberts (D-Ala.). Science and Astronautics.

HR 866. Require the Surgeon General to undertake a special research program on cystic fibrosis. Multer (D-N.Y.). Interstate and Foreign Commerce.

HR 1298. Provide that the Secretary of Commerce furnish weather reports to certain air-pollution control agencies. McDonough (R-Calif.). Interstate and Foreign Commerce.

HR 1353. Authorize and request the President to undertake to mobilize at some convenient place in the U.S. an adequate number of outstanding experts, and coordinate and utilize their services in a supreme endeavor to discover means of curing and preventing cancer. Staggers (D-W.Va.). Interstate and Foreign Commerce.

HR 1360. Protect the public health by amending Federal Food, Drug, and Cosmetic Act to provide for safety of chemicals in cosmetics. Sullivan (D-Mo.). Interstate and Foreign Commerce.

HR 1942. Provide research and technical assistance on the control of salt-marsh and other pest mosquitoes of importance to public health and control of mosquito vectors of human disease. Rivers (D-S.C.). Interstate and Foreign Commerce.

HJ Res 129. Establish in Department of Health, Education and Welfare a National Advisory Council for International Medical Research, and establish in the Public Health Service the National Institute for International Medical Research. Fogarty (D-R.I.). Interstate and Foreign Commerce.

HR 174. Provide for issuance of not more than 25,000 special nonquota immigrant visas annually to certain persons who escape from the Union of Soviet Socialist Republics and whose services are determined by the Attorney General to be urgently needed in the U.S. Lane (D-Mass.). Judiciary.

HR 2323. Make the calendar fixed and perpetual. Burns (D-Hawaii). Foreign Affairs.

HR 2785. Establish an effective stu-

dent exchange program with Latin American countries. O'Hara (D-Ill.). Foreign Affairs.

HJ Res 46. Establish a Commission on Utilization of Manpower in the United States. Dollinger (D-N.Y.). Education and Labor.

HR 297. Amend part IV of subtitle C of title 10, United States Code, to authorize the Secretary of the Navy to take possession of the naval oil shale reserves. Vinson (D-Ga.). Armed Services.

HR 720. Provide for the establishment of a United States Armed Forces Medical Academy. Bennett (D-Fla.). Armed Services.

S 586. Establish a U.S. Department of Science. Kefauver (D-Tenn.). Aeronautics and Space Sciences.

HR 1257. Provide for research into and development of practical means for the utilization of solar energy. Hosmer (R-Calif.). Science and Astronautics.

Scientists in the News

WALKER L. CISLER, president of the Detroit Edison Company, has been appointed president of the Thomas Alva Edison Foundation, Inc., New York. He succeeds the late Charles F. Kettering.

W. BARRY WOOD, JR., vice president of the Johns Hopkins University and Hospital and professor in the department of microbiology, has been appointed chairman of the department of microbiology. The chairmanship has been held by Dean Thomas B. Turner. In order to devote full time to teaching and research, Wood will give up the vice presidency.

MAURICE L. HIGGINS, research associate with the Eastman Kodak Company and a specialist in high-polymer chemistry, has joined the physical sciences division of Stanford Research Institute, Menlo Park, Calif., as manager of the physical chemistry section.

HANSON BLATZ has resigned as chief of the radiation branch of the Atomic Energy Commission's Health and Safety Laboratory and has been appointed radiation consultant to the city of New York and associate professor of Industrial Medicine at New York University-Bellevue Post Graduate Medical Center.

B. R. STANERSON of Washington, D.C., director of membership affairs of the American Chemical Society, has been elected president of the Scientific Manpower Commission for 1959. He succeeds HENRY A. BARTON of the American Institute of Physics, who will continue as a member of the commission.

The American Meteorological Society's Award for Applied Meteorology was made posthumously to CARL-GUSTAF A. ROSSBY, former president of the society, at the society's recent annual dinner in New York.

ERNEST W. BRACKETT has been appointed director of procurement and contracting at the National Aeronautics and Space Administration. He was formerly contract specialist and consultant to the director of procurement and production at Headquarters, Air Materiel Command, U.S. Air Force, Wright-Patterson Air Force Base, Dayton, Ohio.

LLOYD T. DEVORE, electronics research scientist, has been appointed to organize a research division for the Hoffman Electronics Corporation, Los Angeles, Calif. DeVore, former general manager of the Electronics Division, Stewart-Warner Corporation, will serve as corporate vice president and director of the new division, to be known as the Hoffman Science Center. Temporary facilities will be established in Santa Barbara, Calif., pending construction of a research facility in that area. The new center will be staffed by engineering scientists with well-rounded academic and industrial research experience, each with an established reputation in his own field.

Recipients of the seventh annual Glycerine Research awards of the Glycerine Producers' Association, New York, are as follows.

L. A. GOLDBLATT and R. S. McKINNEY, both of the Southern Utilization Research and Development Division of the U.S. Department of Agriculture, New Orleans, La., received the first award of \$1000 and an honor plaque for their work on synthesis and examination of the unique physical properties of tung oil monoglycerides.

DYMTRO BUCHNEA, assistant professor of chemistry at the University of Toronto, received the second award of \$300 and an honor certificate for extensive research on the analysis, synthesis, and chemical structure of unsaturated glycerolphosphatides and related compounds, natural derivatives of glycerine found in the tissue of living cells.

The third award, of \$200 and an honor certificate, was given to HERMAN B. WAGNER, director of chemical research for the Tile Council of America, for the development of an improved glycerine-containing mortar for setting ceramic tiles.

HORACE A. GIDDINGS, chairman of the department of mathematics at New York University's College of Engineering, has been named director of the university's Graduate Center at the Bell

Telephone Laboratories in Murray Hill, N.J. The center provides for Bell employees a program of study leading to advanced engineering degrees.

SIDNEY S. SHAMIS, associate professor of electrical engineering, has been acting director of the center since its establishment in 1957. He will return to full-time teaching and research work at the College of Engineering.

JORN L. McHUGH, director of the Virginia Fisheries Laboratory at Gloucester Point since 1951 and professor of marine biology at the College of William and Mary at Williamsburg, has taken up his duties as chief of the division of biological research of the Bureau of Commercial Fisheries, U.S. Fish and Wildlife Service. He succeeds ALBERT L. TESTER, who resigned several months ago to accept a professorship at the University of Hawaii.

DONALD G. LIVINGSTON, formerly senior research analyst in the Operations Research Unit of the Prudential Insurance Company, Newark, N.J., has been appointed assistant director of the Laboratory of Psychological Studies, Stevens Institute of Technology.

JOSEPH J. DOWNING, formerly acting director of the Mental Health Research Unit, New York State Department of Mental Hygiene, has been appointed program chief, Mental Health Services, San Mateo County Department of Public Health and Welfare, San Mateo, Calif.

The Division of Mathematics of the National Academy of Sciences-National Research Council has announced that HARRY POLACHEK, technical director of the applied mathematics laboratory at the David Taylor Model Basin, Washington 7, D.C., has been appointed chairman of the editorial committee for the quarterly journal *Mathematical Tables and Other Aids to Computation*. He succeeds C. B. TOMPKINS of the University of California at Los Angeles, who has held the post since November 1954. Articles for publication should be addressed to Polachek; information on subscriptions may be obtained from the NAS-NRC.

EDWARD R. PINCKNEY, associate in the department of medicine at Northwestern University, has been appointed director of the comprehensive medicine clinic at the university's medical school. He will also be in charge of preventive medicine and public health teaching.

In addition, Pinckney will serve as executive secretary of the committee for an integrated program for education in medicine at Northwestern. This com-

mittee is studying the feasibility of combining the premedical and medical-school years into one integrated curriculum.

L. LEON CAMPBELL, JR., associate professor and associate bacteriologist at the Laboratory of Microbial Biochemistry, Institute of Agricultural Sciences, State College of Washington, Pullman, has been appointed associate professor of microbiology in the department of microbiology, Western Reserve University, Cleveland, Ohio.

PAUL E. STEINER, formerly professor of pathology at the University of Chicago, has been appointed a senior member of the Institute for Cancer Research, Philadelphia, Pa.

NILS E. LINDENBLAD, a fellow of the RCA Laboratories technical staff at Princeton, N.J., and LORNE D. ARMSTRONG, a senior engineer in advanced development at the RCA Semiconductor and Materials Division, Somerville, N.J., are the recipients of the Radio Corporation of America's David Sarnoff Outstanding Achievement Awards in Science and Engineering. The awards, established in 1956 to commemorate the 50th anniversary in radio of General David Sarnoff, chairman of the RCA board, are presented annually by the corporation to honor outstanding achievement by a scientist and an engineer of RCA.

MYRON E. WEGMAN, secretary general of the Pan American Sanitary Bureau, Washington, D.C., and former professor and head of the department of pediatrics at Louisiana State University Medical School, has received the 1958 Clifford G. Grulee Award of the American Academy of Pediatrics.

PAUL LACOMBE, head of the department of metallurgy and director of the Research Center at the School of Mines, Paris, France, has been appointed to the newly created Republic Steel Corporation chair of metallurgy at Case Institute of Technology. He will teach a graduate course in metallurgy and participate in the research program during the spring semester. Lacombe is also professor of nuclear metallurgy at the National Institute of Nuclear Science and Technology at Saclay, and teaches courses in applied chemistry and metallurgy at the Sorbonne.

WILLIS W. HARMAN, professor of electrical engineering and director of undergraduate electrical engineering instruction at the Stanford University School of Engineering, has been awarded the American Society for Engineering Education's \$1000 George Westinghouse Prize for outstanding teaching.

ROBERT F. LOEB, professor of medicine at Columbia University since 1938, has been awarded the 1959 Kober Medal of the Association for American Physicians for his contributions to the progress of the medical sciences. The medal will be presented at the association's annual meeting which will be held in Atlantic City in May.

GEORGE C. POPPENSIEK, head of immunological investigation at the U.S. Department of Agriculture's Plum Island Animal Disease Laboratory in New York, has been appointed professor of microbiology and dean of the New York State Veterinary College at Cornell University. The appointment will be effective 1 July upon retirement of WILLIAM A. HAGAN, the present dean.

The U.S. Navy's highest civilian medal, the Distinguished Public Service Award, has been presented to HERMANN I. SCHLESINGER, professor emeritus of chemistry at the University of Chicago. The ceremony took place on 11 February at the Naval Research Laboratory, Washington, D.C. Schlesinger is noted for his basic research on boron compounds, which has contributed both to the development of solid-rocket fuels and to improved vitamin manufacture.

RUSSELL L. STEERE, formerly research biologist with the Virus Laboratory at the University of California, Berkeley, has been appointed head of the Agricultural Research Service's new Pioneering Research Laboratory for Plant Virology at the Plant Industry Station, Beltsville, Md.

SAMUEL J. AJL, chief of the microbiological chemistry section and assistant chief of the department of bacteriology at Walter Reed Army Institute of Research, has been appointed program director for metabolic biology at the National Science Foundation.

HILARY KOPROWSKI, director of the Wistar Institute of Anatomy and Biology and president of the New York Academy of Sciences, has been awarded the cross of a commander of the Ordre du Mérite pour la Recherche et l'Invention of France's Société d'Encouragement pour la Recherche et l'Invention. The ceremony took place at the Wistar Institute Museum, Philadelphia, on 11 February.

EUNICE T. MINER, executive secretary of the New York Academy of Sciences, has been presented the cross of an officer of the order. She has lectured at the American Museum of Natural History and has participated in research expeditions for submarine studies of coral reefs and for collection of marine invertebrates.

CHARLES S. DRAPER, head, department of aeronautics and astronautics at Massachusetts Institute of Technology, and Sir GEORGE EDWARDS, managing director of Vickers Armstrong Ltd., England, have been named honorary fellows of the Institute of Aeronautical Sciences. Honorary fellowship is the institute's highest honor. Among others honored at the institute's recent annual dinner in New York were the following:

PATRICK D. McTAGGERT-COWAN, associate director of the Canadian Meteorological Service, Toronto, the Robert M. Losey Award for meteorology.

VICTOR E. CARBONARA, president of the Kollsman Instrument Corporation, the Sylvanus Albert Reed Award for practical aeronautics.

ROBERT G. LOEWY, chief technical engineer of the Vertol Aircraft Corporation, the Lawrence Sperry Award for an outstanding young man in aviation.

JOSEPH TSU CHIEN LIU of the University of Michigan, the Minta Martin Aeronautical Student Fund National Paper Award, Graduate Division.

NADENE COYNE, formerly director of the department of physical medicine and rehabilitation, Cleveland General Hospital, Cleveland, Ohio, has been appointed coordinator of training for physicians in the department of physical medicine and rehabilitation of New York University-Bellevue Medical Center and director of the Respirator Center at Goldwater Memorial Hospital.

PHILLIP L. ALGER, electrical engineer with General Electric for 40 years, retired on 1 February. For 20 years he was staff assistant to the vice president of engineering. He has been appointed adjunct professor at Rensselaer Polytechnic Institute.

One of Alger's major interests has been the development of motors and generators, particularly in the areas of calculating reactance, improving starting performance, and reducing magnetic noise. He has written two technical books since 1950 and is the holder of 12 patents.

JOHN W. TUKEY, professor of mathematics at Princeton University and a member of the mathematical research department of Bell Telephone Laboratories, has been appointed assistant director of research in communications principles at the laboratories. He will remain at Princeton as professor of mathematics.

JOHN H. ROBERSON, manager of the Atomic Energy Commission's Dayton Area Office, Dayton, Ohio, has been appointed to the newly established post of executive director of Associated Midwest Universities. He will be located at Ar-

gonne National Laboratory, Lemont, Ill., where he will assist in implementing the use of the laboratory's research and educational facilities by staff members from the 31 AMU member institutions.

Recent Deaths

HARDY CROSS, Virginia Beach, Va.; 74; civil engineer noted for the "Hardy Cross method," a method of computing stresses in rigid frames; retired in 1951 as head of the department of civil engineering at Yale University; had taught at Brown University and at the University of Illinois; 11 Feb.

CLAUDE C. CUNNINGHAM, Manhattan, Kan.; plant breeder and a member of the agronomy department of Kansas State University from 1909 to 1920; president of the Kansas Crop Improvement Association for 8 years, and former president of the Kansas State Board of Agriculture; 12 Feb.

EUGENE F. DuBOIS, New York; 76; physiologist and specialist on metabolism; retired in 1941 as physician in chief of New York Hospital and in 1950 as professor of medicine at Cornell University Medical School; former director of the Russell Sage Institute of Pathology; 12 Feb.

Rev. FRANCIS J. FRIEDEL, Dayton, Ohio; 61; retired in 1953 as dean of the College of Arts and Science at the University of Dayton; former president of Trinity College, Sioux City, Ia.; 13 Feb.

LEILA I. GIVEN, New York, N.Y.; 74; retired associate executive secretary of the American Nurses Association; former director and professor of nursing education at South Dakota State College; director and supervisor of nursing education at the University of Wisconsin, 1940-47; coauthor of textbooks on microbiology and bacteriology as applied to nursing; 12 Feb.

JESSE P. GREENSTEIN, Washington, D.C.; 56; internationally known in cancer research; chief of the biochemistry laboratory at the National Cancer Institute, Bethesda, Md., since 1946; conducted research at the Kaiser Wilhelm Institute in Dresden, Germany; author of *The Biochemistry of Cancer* and coauthor of *Advances in Cancer Research*; 12 Feb.

JOSEPH G. TARBOUX, Ann Arbor, Mich.; 60; professor of electrical engineering at the University of Michigan since 1952; assistant director of the School of Electrical Engineering at Cornell University, 1946-52; head of the electrical engineering department at the University of Tennessee, 1929-46; at the time of his death he was establishing a new type of power systems laboratory; 6 Feb.