

opened the program by discussing the contribution of the American Chemical Society in helping to produce the films and the ways in which educators can use them most successfully.

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The Engineers Joint Council, 29 W. 39 St., New York 18, N.Y., has announced the release of the 1959 *Engineering Societies Directory*. This is the first revision of this publication since 1956. The directory provides basic information concerning international, national, regional, state, and local engineering groups and lists, for each entry, address, membership, secretary, and organizational publications.

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In England, three stations of the Department of Scientific and Industrial Research—all concerned with the preservation, storage, handling, or protection of foodstuffs—will be transferred to the Agricultural Research Council on 1 July. They are the Ditton Laboratory at Larkfield, Kent; the Low Temperature Research Station at Cambridge; and the Pest Infestation Laboratory at Slough. The agreement between the Council for Scientific and Industrial Research and the Agricultural Research Council was made because the two councils believe that it is in the national interest to bring all government research on food other than fish under one body, in order to make the research more effective.

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Field work has begun on a cooperative oceanographic expedition which will examine some of the sediments of the east shelf of the Gulf of California. Scientists from three institutions—the Scripps Institution of Oceanography, the Universidad nacional autonoma de Mexico, and the U.S. Navy Electronics Laboratory—are now engaged in the first of three trips connected with the study.

Some specific objectives of the project are study of the characteristics of the sediments and morphology of the deposits along a coastal plain-continental shelf; study of "beach ridges"; study of the effects of variations in climate on the characteristics of the sediments and the morphology of the deposits; and study of the transition between subaerial and marine sediments.

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A composite list of 137 research studies on psychopharmacologic drugs which are being conducted under support of grants from the National Institute of Mental Health is now available. These research studies, as classified by the institute's Psychopharmacology Service Center, fall into three main categories: 57 studies directly related to problems of drug development and assessment; 68 studies of the basic mechanisms of the action of psychopharmacological agents; and 12 studies pertaining to method de-

velopment and data analysis. Single copies of the list of research grants, divided by category and including the name and institution of each investigator and a brief description of his project, are available on request from the National Institute of Mental Health, Bethesda 14, Md.

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The Nuclear Division of the Martin Company has won the 1958 Miniaturization Award for the development of SNAP-111, the 5-pound atomic generator. The award, which annually recognizes advances in the art and science of miniaturization, was presented to the company last month by the president of Miniature Precision Bearings, Inc., sponsor of the program. The generator, developed by Martin under the auspices of the Atomic Energy Commission, is the first device to combine a radioisotopic heat source with a highly efficient thermoelectric conversion system.

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Russian-English and English-Russian dictionaries of terms used in the mathematical sciences are now being prepared by scholars working in this country and in Russia. The combined effort, initiated nearly 3 years ago as one of the results of a mathematical conference held in Moscow, is being supported by the academies of science of both countries. Work on the part of the project being done in this country is expected to be completed by June. Compilers from the University of Michigan are now preparing to get together with their Russian counterparts to review the work done to date. It is expected that the two dictionaries will be published in 1960.

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The International Atomic Energy Agency has approved plans for the setting up of a functional laboratory to be built on a site adjoining the Austrian reactor and atomic laboratories at Seibersdorf, near Vienna. The new facility will be used for standardization of isotopes and preparation of radioactive standards; calibration and adaption of measuring equipment; quality control of special materials for nuclear technology; and measurement and analysis in connection with the agency's safeguards and health and safety program. Its services will be used by member states. The United States has offered to donate \$600,000 to be applied against the cost of constructing and equipping the laboratory.

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A booklet that highlights the extent and organization of Soviet research and development in the Far North and discusses the nature of Russia's over-all system of scientific and technological institutions has just been released by the

Arctic Institute of North America. The 100-page publication is *Institutions of the U.S.S.R. Active in Arctic Research and Development*, by Vlas Stanka, a member of the research staff of the Arctic Institute's Arctic Bibliography Project. In all, 374 Soviet organizations and institutions directly or indirectly concerned with northern science and progress are listed, many with details regarding their fields of activity, organizational setup, and publications. An additional listing gives names and locations of 107 polar stations known to have been in operation in 1956.

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A working group has been appointed to conduct major long-range scientific explorations of the moon's surface and environment, the National Aeronautics and Space Administration has announced. Headed by Robert Jastrow of NASA headquarters, the group is one of a number of working units whose members will follow through on experiments and correlate forthcoming satellite and space probe projects. Establishment of working groups in the fields of satellite beacons and orbiting astronomical observatories has been previously announced.

Scientists in the News

SIDNEY BURWELL, professor of medicine at Harvard University Medical School, will retire 31 August to become Levine professor emeritus of medicine, after 40 years of academic service. A distinguished physiologist in the cardiovascular field, Burwell was appointed dean of the faculty of medicine and research professor of clinical medicine at Harvard in 1935, where he remained until 1949. He then returned to the research laboratory at the Peter Bent Brigham Hospital which he had maintained during his deanship at Harvard. He also organized a Medical Service and a Medical Research Laboratory at the Boston Lying-in Hospital. From 1927 until 1935 he was head of the department of medicine at Vanderbilt University Medical School. Burwell is coauthor of *Heart Disease and Pregnancy*. After his official retirement he plans to write the history of the Harvard University Medical School.

THOMAS PARRAN, president of the Avalon Foundation, New York, and former Surgeon General of the U.S. Public Health Service; and WARREN WEAVER, vice president of the Rockefeller Foundation and former president of the American Association for the Advancement of Science, have been elected to honorary membership in the National Association of Science Writers.

ROME F. GELLER, who retired in 1956 as chief of the porcelain and pottery section of the National Bureau of Standards, has received the Albert Victor Bleining Award. The award, presented annually, is the highest honor conferred in this country for outstanding achievement in the field of ceramics.

GEORGE G. SIMPSON, curator of fossil mammals and birds at the American Museum of Natural History in New York, will join the faculty of Harvard University this summer as Alexander Agassiz professor of vertebrate paleontology in the Museum of Comparative Zoology. He will devote himself to research and will have no teaching or curatorial duties.

FELIX BLOCH, physicist at Stanford University and cowinner of the Nobel Prize in 1952, will lecture at Hebrew University, Jerusalem, under a Fulbright scholarship on a year's leave of absence, beginning in September.

Vice Admiral HYMAN G. RICKOVER has received a special gold medal, authorized by Congress, in recognition of his work in directing the development and construction of the world's first nuclear-powered ships and the first large-scale nuclear power reactor devoted exclusively to the production of electricity. Senator Clinton P. Anderson, chairman of the Joint Committee on Atomic Energy, presented the medal at a public session of the Joint Committee.

GRACE A. GOLDSMITH, professor of medicine at Tulane University Medical School, received the \$1000 Osborne-Mendel Award of the Nutrition Foundation at the annual dinner of the American Institute of Nutrition. On the same occasion HARRY E. STEENBOCK, emeritus professor of biochemistry of the University of Wisconsin, received the \$1000 Borden Award in Nutrition.

J. BJERKNES, professor of meteorology at the Bergen Geofysiske Institut, Norway, and at the University of California, Los Angeles, was awarded the International Meteorological Organization Prize for 1959 at a special session of the Executive Committee of the United Nations. The prize (\$1200 and a gold medal) was established in 1955 by the World Meteorological Organization.

MURRAY GELL-MANN, professor of physics at the California Institute of Technology, has been named the 1959 winner of the Dannie Heineman Prize for Mathematical Physics. The \$2500 award will be made during the spring meeting of the American Physical Society, 1 May, in Washington.

HADLEIGH MARSH, veterinary pathologist at Montana State College, and consultant to the U.S. Department of Agriculture, has received the third annual Distinguished Service Award of the Animal Health Institute. The award, which consists of \$1000 and an engraved plaque, was presented during the annual meeting of the Animal Health Institute in Washington, D.C.

ARTHUR L. SCHIPPER, member of the staff of the Oak Ridge Institute of Nuclear Studies, has joined the National Institute of Health as a biologist in the research grants branch of the National Cancer Institute.

WALTER R. BEAM, manager of advanced microwave development in the Electron Tube Division of the Radio Corporation of America, has been named head of the department of electrical engineering at Rensselaer Polytechnic Institute, effective 1 July. Beam will succeed HAROLD N. TREVETT, who has been acting head of the department since 1955.

LAWRENCE H. GAHAGAN, former assistant professor of psychology at the University of California, Los Angeles, has been appointed head of the department of psychiatry and neurology at the Beverly Hills Medical Clinic, Beverly Hills, Calif.

GEORGE H. MICKEY, chairman of the department of zoology at Louisiana State University, has been appointed dean of the graduate school. He succeeds RICHARD J. RUSSELL, who has been appointed director of the Coastal Studies Institute.

GEORGE P. FULTON, chairman of the department of biology at Boston University College of Liberal Arts, has been named the first Shields Warren professor. The professorship was established in honor of Shields Warren, noted pathologist and chairman of the executive committee of the Boston University board of trustees, on his 60th birthday.

JOSEPH L. MCCARTHY, professor of chemical engineering at the University of Washington, has been appointed dean of the university's graduate school, as of 1 July. He will succeed HENRY A. BURD, professor emeritus in marketing, who has been acting dean since September 1955.

EDWARD DIAMOND has resigned as associate general counsel of the Atomic Energy Commission, and has joined the Stromberg-Carlson Division of the General Dynamics Corporation at Rochester, N.Y., as secretary and general counsel.

Recent Deaths

WILLIAM J. BAUMGARTNER, New York; 87; retired in 1949 as professor of zoology of the University of Kansas; staff member of the Puget Sound Marine Station, University of Washington, 1908-15; had taught at the University of Chicago; 12 Apr.

JOHN P. DELANEY, Baltimore, Md.; 64; emeritus professor of physics at Loyola College; led a student expedition to Athens, Palestine, and Turkey in 1933; president of the eastern section of the American Association of Jesuit Scientists; 11 Apr.

GERHART K. GROETZINGER, Baltimore, Md.; 51; principal scientist at the RIAS Division of the Martin Company since 1956; had been associated with the University of Illinois, Ohio State University, the Enrico Fermi Institute for Nuclear Studies at the University of Chicago, the Lewis Laboratory of the National Advisory Committee on Aeronautics, and the Los Alamos Laboratory of the Atomic Energy Commission; faculty member of the University of Vienna, 1931-38; 30 Mar.

ADOLPH JACOBY, New York; 71; retired in 1952 as director of the Health Department's Bureau of Social Hygiene, after having been with the department for 36 years; had been associate clinical professor of obstetrics at New York University Medical School; had taught at Post-Graduate Medical School and at Columbia University; 9 Apr.

DAVID A. KREIDER, Stamford, Conn.; 88; associate professor emeritus of physics of Yale University; was affiliated with the university from 1893 until his retirement in 1936; 9 Apr.

J. BRADLEY LONG, San Francisco, Calif.; 36; assistant clinical professor of medicine at the University of California and vice president of the San Francisco Heart Association; 9 Apr.

JAMES E. MAYNARD, Syracuse, N.Y.; 60; petrographer and economic geologist; professor of geology at Syracuse University, where he had been a member of the staff since 1930; 9 Apr.

GERALD H. MATTHES, New York; 85; retired consulting engineer and a specialist in flood control; inventor of the tetrahedral block revetment for river banks, the topographic slide rule for plane-table surveying, and a mechanically controlled aerial camera; 8 Apr.

JOSEPH STAMBUL, Philadelphia, Pa.; 64; cardiologist; had performed research in the field of atherosclerosis for the last 20 years; author of *The Mechanisms of Disease*; 11 Apr.

MARVIN J. UDY, Niagara Falls, N.Y.; 66; metallurgist; vice president and consultant of Strategic-Udy Processes, Inc.; developed new methods for separating or refining chromium, nickel, cobalt, and bismuth; 11 Apr.