

HERBERT H. KENT, former chief of the physical medicine and rehabilitation department of the Veterans Administration Hospital in Indianapolis, Ind., has been appointed associate professor of physical medicine at the University of Oklahoma School of Medicine, where he will teach in the new physical therapy school.

LEONID A. UMANSKY, manager of engineering for the industrial engineering department of the General Electric Co., Schenectady, N.Y., has been awarded the 1955 Edison medal, which is administered by the American Institute of Electrical Engineers. The award will be presented on 31 Jan. at a special session of the 5-day winter general meeting of the institute in the Hotel Statler, New York.

WALTER A. MACNAIR, vice president in charge of research of the Sandia Corporation, Albuquerque, N.M., became a vice president of Bell Telephone Laboratories on 1 Dec. He will be in charge of switching and transmission development, succeeding GORDON N. THAYER, who was recently named chief engineer for the American Telephone and Telegraph Company.

WILLIAM H. HEADLEE, professor of parasitic diseases at the Indiana University School of Medicine, has returned from Thailand where he served for 2 years as adviser to the Thai Department of Health on a program for the control of intestinal parasitic diseases. He was a member of the public health staff of the U.S. Operations Mission to Thailand (International Cooperation Administration) to which he was assigned through the Division of International Health of the U.S. Public Health Service.

GEORGE J. WISCHNER, director of research in the Training Methods Division of the Human Resources Research Office in Washington, D.C., has been named professor of psychology at the University of Pittsburgh, where he will expand and coordinate the graduate program in clinical psychology. In addition to his appointment as professor, he will be chairman of the clinical training committee in the college.

Wischner will head the training program for 40 to 50 graduate students in clinical psychology. This is a 4-year plan under which students serve internships with various organizations in the Pittsburgh area. They serve in Veterans Administration hospitals, the Western Penitentiary, the Pittsburgh Psychiatric Institute, the Staunton Clinic, the Pittsburgh Child Guidance Center, and in the psychology department's own clinics. In these internships, which are in addition to regular classwork and research, the

students work with patients under supervision of the clinical psychology and medical staffs of the cooperating organizations.

Other appointments in the university's psychology department include two new associate professors: JOSEPH HERRINGTON, former assistant chief psychologist for the Leech Farm Veterans Administration Hospital, and JOHN REAGAN BARRY, who for 4 years has been psychologist for the U.S. Air Force School of Aviation Medicine, Randolph Field.

FRANCIS M. FORSTER, dean of the Georgetown University Medical School and professor of neurology, and FELIPE MARTINEZ, associate professor of anatomy at Georgetown, have received the Order of Merit of Carlos Finlay from President Fulgencio Batista of Cuba. The award is made to outstanding scientists of Cuba and other countries who have contributed to the progress of Cuban science.

PAUL D. CANTOR, a practicing physician of Bethesda, Md., was sworn in as a member of the District of Columbia Bar at District Court on 9 Dec. Cantor attended the Georgetown University law school at night while carrying on his medical practice. He will join the Georgetown Graduate Law faculty at the beginning of the 1956 spring term, to teach a course for lawyers entitled "Medical problems of the practicing attorney." He is also a professor of legal medicine at the Georgetown University Medical School. He will continue his medical practice, as well as his consultation work in medical jurisprudence.

DOROTHY M. SMITH, assistant director in nursing at Hartford (Conn.) Hospital School of Nursing, has been appointed dean of the College of Nursing at the University of Florida. She will join the staff at the J. Hillis Miller Health Center on 1 Feb. 1956.

NANDOR PORGES of the U.S. Department of Agriculture's Eastern Regional Research Laboratory, Philadelphia, Pa., has been named supervisory chemist of the Dairy Waste Unit. This unit recently received the USDA award for superior service "for research which led to the development of inexpensive plants for the treatment of milk processing wastes to prevent stream pollution." The research team included SAM R. HOOVER and LENORE JASEWICZ who had worked together for a number of years on this problem.

ANDREW ROBESON, formerly of Emory University, has been appointed associate professor of physics at Virginia Polytechnic Institute.

ALTON MEISTER has been appointed professor and chairman of the department of biochemistry at Tufts University School of Medicine, effective 1 Jan. He has been head of the clinical biochemical research section of the National Cancer Institute, National Institutes of Health, since 1951, and has been at NIH since 1946.

ODOM FANNING has been appointed to the new position of manager of information services at Midwest Research Institute. For the past 2 years he has been in charge of the publications services of the Georgia Institute of Technology Engineering Experiment Station and editor of the station's magazine, the *Research Engineer*.

RAYMOND STEVENS, senior vice president of Arthur D. Little, Inc., consultants and engineers of Cambridge, Mass., has been chosen to receive the 1956 gold medal of the American Institute of Chemists. He is being honored for his "contributions to the wider understanding of essential procedures for the management and operation of industrial research." The medal will be presented during the annual meeting of the institute, 9-11 May, at the Hotel Statler, Boston, Mass.

GEORGE EDWARD SHORT, after 4 years of veterinary practice, has joined the veterinary division of the Norwich Pharmacal Company, Norwich, N.Y.

■ The following appointments to assistant professor have been announced. University of Oklahoma: EARL G. LARSEN, biochemistry. Michigan State University: DUANE E. ULLREY, animal husbandry. Massachusetts Institute of Technology: RICHARD R. DOELL, seismology and geomagnetism; JOHN W. WINCHESTER, nuclear geochemistry. Medical College of Georgia: JOHN R. FAIR, surgery and ophthalmology. Albany Medical College: JOSEPH HARRIS and ARTHUR WEISSBACH, biochemistry. Cornell University: DAVID W. BIERHORST and CONRAD S. YOCUM, botany. Virginia Polytechnic Institute: WILLARD OSBORNE ASH, statistics.

Necrology

HOWARD S. BRODE, Santa Monica, Calif.; 89; professor emeritus of biology and curator of the museum at Whitman College; emeritus life member of the AAAS; father of Robert B. Brode, president of the AAAS Pacific Division, and Wallace R. Brode, a member of the AAAS editorial board and board of directors; 11 Dec.

REV. JOSEPH F. CARROLL, Milwaukee, Wis.; 63; former head of the physics de-

partment at Marquette University; authority on earthquakes; 12 Dec.

MARTIN GIL, Buenos Aires, Argentina; 86; astronomer; 9 Dec.

HORACE P. LIVERSIDGE, Bryn Mawr, Pa.; 77; electrical engineer; 9 Dec.

EGAS MONIZ, Lisbon, Portugal; 81; vice-developer of cerebral angiography and prefrontal leucotomy; 1949 winner of the Nobel prize for medicine for having been the first man to cure a mental disorder by surgical operation; professor of neurology at the University of Lisbon from 1911-44; 13 Dec.

WOLFGANG PAULI, Zurich, Switzerland; 85; colloid chemist; professor emeritus, University of Vienna, Vienna, Austria; 4 Nov.

ROBERT E. SHELBY, Teaneck, N.J.; 49; vice-president and chief engineer of the National Broadcasting Company, New York; pioneer in the development of television; 9 Dec.

HERMANN WEYL, Zurich, Switzerland; 70; mathematician; one of the founders of the Institute for Advanced Study, Princeton, N.J. and professor emeritus since his retirement in 1951; author of many books, he was also recognized as an eminent historian in the philosophy of science; 8 Dec.

Education

■ The Atomic Energy Commission and the National Science Foundation have announced joint sponsorship with the American Society of Engineering Education of a special Summer Institute on Nuclear Engineering for engineering college faculty members. The AEC has approved use of the Argonne Laboratory School of Nuclear Science and Engineering for the institute, which will continue for 2 months beginning the latter part of June. Courses will be given in nuclear physics, nuclear engineering, metallurgy, instrumentation and other subjects. Sixty students will be enrolled.

NSF has approved establishment of a fund to provide cost-of-living stipends of about \$600 to those attending the institute and to defray their travel expenses. These funds will be administered by Northwestern University. The American Society for Engineering Education will arrange for the selection of the students and make the necessary housing arrangements.

Purpose of the institute is to broaden the nation's educational base in atomic energy by equipping more college faculty members to teach students of nuclear sciences. In addition to the need for more fundamental-research scientists in nuclear energy, the AEC estimates that the developing American civilian atomic energy industry will create an annual demand for nearly 2000 trained nuclear

scientists and engineers during the next 3 years and that the demand after that period will be even greater.

It will be the policy of the institute to accept from a single university or college two to four faculty members representing various engineering fields. This policy will permit spreading nuclear technology into the existing disciplines and make possible a better integrated program of nuclear training in the schools. No tuition will be charged. Inquiries concerning enrollment may be addressed to the Dean of Engineering, Northwestern University, Evanston, Ill. Applications must be submitted by 1 Mar.

■ The University of Wisconsin will build a \$800,000 addition to Sterling Hall on the Madison campus to house the Mathematics Research Center of the U.S. Army. The general objective of the center is to "... provide a nucleus of highly qualified mathematicians who will carry on investigations in mathematics of interest to the Army and who can be called upon for advice on specific problems beyond the capability of Army facilities. In addition to fulfilling an Army need, the center will aid the national effort in mathematics research and will increase the availability of trained mathematicians."

R. E. Langer, professor of mathematics, will be the first director of the center. Investigations to be carried on at the center will be primarily concerned with four general fields: mathematical analysis and applied mathematics; statistics and probability; numerical analysis and the technology of high-speed electronic computing machines; and operations research, decision theory, optimization problems, and programming.

■ Sets of 156 drawings to enable schools in tropical countries to build low-cost science teaching laboratories have just been issued by UNESCO. The drawings cover equipment needed in primary and secondary science teaching and in the training of science teachers. They are intended to be particularly useful to countries that are short of science teaching equipment and lack foreign exchange to import apparatus, yet which have craftsmen and vocational schools where the equipment might be manufactured locally at low cost.

■ The 23rd session of the Norelco X-ray Diffraction School will be held at the North American Philips Company, Inc., 750 South Fulton Ave., Mount Vernon, N.Y., during the week of 30 Jan.-3 Feb. Registration will be limited to 125 for the first 4 days and to 150 on Friday, the day devoted to actual application problems when guest speakers discuss

methods currently in use by researchers and industrial plants.

On Monday through Thursday, the sessions will be devoted to extensive classroom and laboratory work during which participants discuss their own problems and become familiar with the use of the various types of equipment. The basic subjects to be considered include x-ray diffraction, diffractometry, and spectrography. There will also be discussion of new high- and low-temperature camera techniques, electron microscopy, and electron diffraction.

Application for attendance at the three Norelco X-ray Diffraction Schools held last year far outnumbered the available accommodations. It is recommended that those planning to participate in the coming meetings make their reservations at the earliest possible date. There is no registration fee.

Grants, Fellowships, and Awards

■ The American Therapeutic Society has announced its annual Oscar B. Hunter memorial award contest. The award is made in recognition of an outstanding contribution or series of contributions to therapy by an individual or a team of workers. The term *therapy* is used in a broad sense to include the use of any drugs, procedure, or device of benefit in the treatment of patients.

One object in making the award is to bring recognition to those who have not received awards for their work. The award consists of a bronze medal engraved with the name of the recipient. The winner will be expected to deliver a paper when the award is presented at the society's annual meeting; this paper must cover the work that forms the basis for the honor. Travel expenses to the meeting will be furnished.

The deadline for receiving nominations is 1 Feb. 1956. For information write to the chairman of the award committee, Harry E. Ungerleider, 393 Seventh Ave., New York 1.

■ Grants from the Permanent Science Fund of the American Academy of Arts and Sciences are made in support of research in any field of science whatsoever in amounts that ordinarily do not exceed \$1500. Applications for grants to be made next March should be filed by 1 Feb. on forms available from the Chairman, Permanent Science Fund Committee, American Academy of Arts and Sciences, 77 Massachusetts Ave., Cambridge 39, Mass.

Special consideration will be given to projects on new frontiers of science, those that lie between or include two or more of the classical fields and those proposed by investigators who may be on