

that will enable mouse production to expand an additional 300,000 mice per year will be under construction this fall and in complete operation by early spring.

These pedigreed mice are raised as a service to world research, and the Jackson Laboratory is the only center that breeds and constantly renews strains of standard mice. The animals are sold at cost at prices that range from \$8 for a dystrophic mouse with a normal control, to 25 cents for retired breeders of some strains.

Each year many shipments of mice leave the laboratory destined for foreign countries. In such cases, the cost of shipping the mice is often far greater than the cost of the animals themselves. For instance, \$24 worth of mice being sent to areas throughout Europe cost approximately \$140 to ship, depending on distance and mode of transportation.

News Briefs

The Special Training Division of the Oak Ridge Institute of Nuclear Studies, Oak Ridge, Tenn., has announced the following 1958 schedule of 4-week courses in the basic techniques of using radioisotopes: 6-31 Jan., 3-28 Feb., 19 May-13 June, 16 June-11 July, 11 Aug.-5 Sept., 8 Sept.-3 Oct.

* * *

Physical examinations of 86,000 survivors of the atomic bombing of Hiroshima 12 years ago were begun on 1 Aug. to determine whether the survivors have symptoms of leukemia or pernicious anemia.

* * *

Nearly 30 percent of the narcotics addicts in England are in the medical profession, according to a British Government report. There are 333 known British addicts; of these, 77 are doctors, 20 nurses, and two dentists.

* * *

The U.S. Public Health Service has announced that vaccine against Asian influenza is expected to become available to the public during September. The six manufacturers licensed to produce such vaccine have set a production goal of at least 60 million milliliters (doses) by 1 Feb.

Scientists in the News

WILLIAM L. STRAUS, Jr., professor in the Laboratory of Physical Anthropology at Johns Hopkins University and a member of the AAAS Editorial Board, will transfer next month to the department of anatomy in the university's medical school, where he will be professor of anatomy and physical anthropology.

EUGENE P. ODUM of the department of zoology at the University of Georgia has been awarded an alumni professorship for his outstanding work in the field of ecology. In the same department R. BARCLAY MCGHEE received the Michael prize for research in the phylogeny of certain flagellated protozoan parasites of insects.

KAZUO K. KIMURA, formerly of the Raymond Blank Memorial Hospital, Des Moines, Ia., has been appointed chief of the neurology branch of the Clinical Research Division, Directorate of Medical Research, Army Chemical Center, Md. He succeeds E. ROSS HART, who resigned early in 1956 to take a research post in the Veterans' Administration Hospital, Pittsburgh, Pa.

WARD DICKOVER, for 29 years a chemical engineer at Gould National Batteries Company, has joined the electrochemistry section of the National Bureau of Standards. He will conduct a research program on basic characteristics of special types of secondary storage batteries. This is part of the section's work on the improvement of aeronautical batteries for advanced aircraft and on the testing of their conformity to federal specifications.

Another appointment at the NBS is that of WERNER C. RHEINBOLDT, a mathematician, who is a member of the computation section of the Applied Mathematics Division. He will perform research on numerical analysis using high-speed electronic computers. Before entering the United States in September 1956 he was employed as an aerodynamic mathematician with the Engineering Bureau of Dipl. Ing. W. Blume at Duisburg-Ruhrort, Germany.

Four new appointments have been made in the department of geology of the Smithsonian Institution (National Museum) to help care for collections and continue research work discontinued by vacancies due to deaths and retirements. PORTER M. KIER, formerly of the University of Houston, was appointed in June to take charge of the collection of fossil echinoderms. RICHARD S. BOARDMAN, formerly of the U.S. Geological Survey but stationed in the U.S. National Museum, transferred to the Smithsonian on 1 July. His primary interest is in the morphology and general paleontology of the Bryozoa. He will carry on the work started by R. S. BASSLER at the Museum more than 50 years ago. Boardman is now finishing work on the morphology of some Devonian trepostome bryozoans, but is anticipating an extensive study of Ordovician bryozoa of the Appalachians and parts of the Midwest. RICHARD E.

GRANT has been given a 4-year appointment in the Smithsonian on a National Science Foundation grant to G. A. COOPER. Grant will collaborate with Cooper on a study of the extensive collection of Permian brachiopods from the Glass Mountains, brought together by Cooper during the last 17 years. PETER P. VAUGHN, formerly of the University of Kansas, will have charge of the collections of fossil reptiles and amphibians, and in his research will devote himself chiefly to the late Paleozoic and early Mesozoic tetrapods.

J. C. R. LICKLIDER, associate professor of psychology at Massachusetts Institute of Technology, has been named to direct the scientific activities of the department of engineering psychology of the consulting firm of Bolt Beranek and Newman, Inc., Cambridge, Mass. Another appointment to the same department is that of KARL D. KRYTER, at present director of the Operational Applications Laboratory, Air Force Cambridge Research Center of the Air Research and Development Command, located in Washington, D.C.

SHERWOOD K. HAYNES, professor of physics at Vanderbilt University, has been named head of the department of physics and astronomy at Michigan State University. He will take up his new duties on a part-time basis on 1 Sept. and full time next February. Other appointments at Michigan are as follows. W. W. ARMISTEAD, dean of veterinary medicine at the Agricultural and Mechanical College of Texas, has been named to head the university's College of Veterinary Medicine. He succeeds CHESTER F. CLARK, who will retire as dean emeritus on 1 Sept. JOHN USEEM, member of the Michigan State staff since 1949, has been appointed head of the department of sociology and anthropology. He replaces CHARLES P. LOOMIS, who wished to end a 13-year tenure as department head in order to devote full time to research and teaching. CARL C. TAYLOR, well-known rural sociologist, will be a distinguished visiting professor during the winter term. Taylor, an official of the U.S. Department of Agriculture for nearly 25 years, will teach a course in the American farmers' movement. Upon completion of his stay at Michigan, Taylor plans to return to India, where he served as consultant for the Ford Foundation and the U.S. Department of State for 2 years following his retirement from the USDA.

ROBERT G. CARSON, Jr., has become director of instruction in the School of Engineering at North Carolina State College. He was formerly head of the industrial engineering department.

REUBEN L. KAHN, originator of the Kahn blood test for syphilis, has retired after 29 years at the University of Michigan. However, he will continue his research as consultant in the department of dermatology and syphilology. Kahn developed his well-known test in 1922 while working as an immunologist at the Michigan State Health Department in Lansing.

THOMAS C. JONES, lieutenant colonel in the Veterinary Corps, U.S. Army, retired on 31 July, after more than 21 years of active duty, to become pathologist at Angell Memorial Animal Hospital, in Boston, Mass. He will also be a part-time faculty member in the department of pathology of Harvard Medical School and consultant to New England Cancer Research Institute. Jones attended the University of Idaho and received his B.S. and D.V.M. degrees from the College of Veterinary Medicine, State College of Washington, Pullman, in 1935. Following his graduation, he was commissioned a first lieutenant in the Army Veterinary Corps and was assigned as assistant station veterinarian at the Presidio of Monterey, Calif., where he remained until 1938. He then studied at the Army Veterinary School, Army Medical Center, Washington, D.C., and at the Army Medical Field Service School, Carlisle Barracks, Pa.

During the period 1939 to 1945, he was officer in charge of the Army Veterinary Research Laboratory, Front Royal Quartermaster Depot, Va., and Fort Robinson, Neb. From 1950 to 1953, he was chief of the veterinary department and technical division, Fourth Medical Field Laboratory, U.S.A., in Europe. With Hilton A. Smith, he wrote a textbook on veterinary pathology, and he has recently completed a study of a specific viral disease of animals which produces an inflammation of the arteries believed to have some specific application to cardiovascular diseases in man.

H. TYLER MARCY has been appointed by the International Business Machines Corporation as manager of its Data Processing Division's product development laboratory at Poughkeepsie, N.Y. He was formerly assistant manager of product development at the company's New York headquarters.

SAM R. ALDRICH of Cornell University has been appointed professor of agronomy extension at the University of Illinois College of Agriculture. He will specialize in soil fertility.

PASQUALE J. COSTA, instructor in pharmacology at the Harvard Medical School, has been appointed associate professor of pharmacology at Seton Hall College of Medicine and Dentistry.

W. A. PEARSON, professor of biology and biological chemistry at Ferris Institute, Big Rapids, Mich., retired in June after 52 years of teaching. Following his graduation from the University of Michigan in 1898, Pearson was a research chemist for Parke, Davis and Company until 1904, when he began his teaching career at Ferris. He left Ferris in 1906 for Hahnemann Medical College and taught there until 1949. Pearson received his M.D. degree from Hahnemann in 1915 and later earned the Ph.D. degree from Philadelphia College of Pharmacy and the Sc.D. degree at LaSalle College. In the meantime, he served as dean of Hahnemann Medical College until 1944.

WOLFGANG R. WASOW, a member of the staff of the U.S. Army Mathematics Research Center at the University of Wisconsin, has been appointed a professor in the university's department of mathematics.

Another appointment at Wisconsin is that of DAVID T. GRAHAM, at present on the faculty of Washington University School of Medicine, as associate professor of medicine.

GLADYN H. PUTT, long associated with missile research and development, has been appointed executive assistant to L. Eugene Root, vice president of Lockheed Aircraft Corporation and general manager of its Missile Systems Division. Putt will be based at the division's Sunnyvale, Calif., plant. For the past 9 years he has been at Rand Corporation, a nonprofit organization formed by a group of scientists and engineers to carry on studies of advanced weapons and operations for the Air Force.

HAROLD R. DETTELBACH has joined Smith, Kline and French Laboratories, Philadelphia, Pa., as an assistant to the director of exploratory development in the Research and Development Division. He was formerly a pharmacologist-biologist for G. D. Searle and Company, Chicago.

DAVID B. STEINMAN, designer of the Mackinac Bridge in Michigan, the world's largest suspension bridge, will receive the 1957 Louis B. Levy medal of Franklin Institute for his paper, "The design of the Mackinac Bridge for Aerodynamic stability" [*J. Franklin Inst.* 262 (Dec. 1956)].

HAROLD S. DIEHL, dean of the College of Medical Sciences, University of Minnesota, will become senior vice president for research and medical affairs and deputy executive vice president of the American Cancer Society on 1 Nov. For the time being he will be on leave of absence from the university.

HARRY McPHERSON, an engineer who has been technical design test coordinator for Convair in Forth Worth, Tex., has been chosen to head the testing program for the missile weapons system being developed by Temco Aircraft Corporation, Dallas, Tex.

WILLIAM D. STEWART, of Vancouver, Canada, has become the first recipient of the new Maurice Husik prize for his outstanding investigative work while he was a matriculate with the department of dermatology and syphilology of New York University Post-Graduate Medical School. Stewart was the senior investigator and, with VICTOR H. WITTEN, was coauthor of "The measurement of x-radiation received by the gonads during dermatologic therapeutic x-radiation techniques." The paper will appear in the *Journal of Investigative Dermatology*.

MAURICE HUSIK, for whom the prize was named, has been on the staff of the New York Skin and Cancer Unit for 25 years. During this period grateful patients established a fund under his jurisdiction to provide treatment for indigent patients. In July 1956 the Maurice Husik prize was established. The cash amount will vary from year to year, depending on the amount available as income from the Husik Fund, which has endowed the prize.

Recent Deaths

RALPH CHRISTIE, Long Beach, Calif.; 74; first Army flight surgeon; wrote first military manual on physical requirements for flying; 3 Aug.

WILLIAM R. BIRGE, Troy, N.Y.; 37; associate professor of psychology at the School of General Studies at Rensselaer Polytechnic Institute; 4 Aug.

CHARLES McCRACKEN, Eustis, Fla.; 75; author and former president of Connecticut State College; former U.S. Office of Education specialist; 3 Aug.

DONALD P. SMITH, Princeton, N.J.; 78; associate professor of physical chemistry at Princeton University; 2 Aug.

WARD V. EVANS, Lancaster, Pa.; 74; retired chairman of the Northwestern University chemistry department and the lone member of the Atomic Energy Commission's special three-man Personal Security Board of 1954 who ruled that J. R. Oppenheimer was a "loyal citizen"; 2 Aug.

FRANCIS E. DRAKE, Pelham, N.Y.; gas engineer and partner in Drake and Townsend, gas plant engineers, New York; 5 Aug.

JUNIUS D. EDWARDS, Highland, N.C.; 67; former assistant director of research for the Aluminum Company of America; 5 Aug.