

the United States and two in Canada have undertaken new construction projects that will cost approximately \$45 million.

■ The Atomic Energy Commission has postponed until 10 Dec. a hearing to reconsider its conditional approval of a controversial private nuclear power project near Detroit, Mich. The hearing, on safety questions, had been scheduled for 13 Nov. The Power Reactor Development Company of Detroit is to build the plant.

Scientists in the News

WILLIAM SHOCKLEY, **WALTER H. BRATTAIN**, and **JOHN BARDEEN** have won the 1956 Nobel prize in physics for their work in developing the transistor. Their research was conducted in the Bell Laboratories, Murray Hill, N.J. Shockley left Bell last year to become director of the Shockley Laboratories of Beckman Instruments, Inc., Mountain View, Calif., and Bardeen resigned in 1951 to become professor of physics and electrical engineering at the University of Illinois.

Sir **CYRIL HINSHELWOOD**, a professor at Oxford University (England), and **NIKOLAI N. SEMENOV**, director of the Institute of Physics in Moscow (U.S.S.R.), will share this year's Nobel prize in chemistry for "their researches into the mechanism of chemical reactions." Beginning 25 years ago and working separately, the two men have dealt with essentially the same problem: the elucidation of the occurrence of chain reactions and their importance in connection with the phenomenon of explosion. It was not until after each had published several papers that Hinshelwood and Semenov came to know each other. This is the first time that a Soviet scientist has received a Nobel prize. Not since the selection of Ivan Pavlov, the physiologist, in 1904 has a Nobel award gone to a Russian living in Russia.

COLBY M. CHESTER, honorary chairman of the General Foods Corporation, has received the Frank H. Lahey memorial award for distinguished service to medical education by a layman. The presentation was made by former President Herbert Hoover at a recent dinner in Chester's honor given by the National Fund for Medical Education.

THOMAS E. MURRAY, a member of the Atomic Energy Commission, is the 1956 recipient of the peace award of the Catholic Association for International Peace. The award is presented annually to "an American whose outstanding achievements have helped further the

Christian principles of justice and charity in international life." Murray was cited specifically as one who has consistently pointed out that the "use of force in warfare is subject to the moral law, that the dictates of conscience call for rational limits on the size and number of nuclear weapons."

Two appointments to the staff of the National Science Foundation have been announced. **THOMAS O. JONES** has been named assistant to the head, Office of Scientific Information, and **JACOB PERLMAN** is the new study director for surveys, Office of Special Studies. Jones joins the foundation from Haverford College, where he has served for nearly 20 years as professor of chemistry and part of the time as department head. Perlman has been with the United Nations, where he has been principal statistical adviser in charge of a mission working with the Statistical Center of the University of the Philippines in Manila.

STANLEY E. KERR, professor of biochemistry at the American University of Beirut, Beirut, Lebanon, is spending a year as an A. D. Williams visiting professor in the department of biochemistry at the Medical College of Virginia.

E. L. DEMMON, director of the U.S. Department of Agriculture's Southeastern Forest Experiment Station, Asheville, N.C., has retired. He is succeeded by **JOSEPH F. PECHANEC**.

ZABOJ V. HARVALIK, professor of physics at the University of Arkansas, has taken a leave of absence to serve as director of the newly formed Basic Research Group at the Corps of Engineers' Research and Development Laboratories, Fort Belvoir, Va. In addition to his work at Belvoir, Harvalik also will direct and evaluate several contributing research programs being performed by other scientific institutions and universities throughout the country.

A native of Yugoslavia, Harvalik was educated in Czechoslovakia, where he served as a professor of physics at the University of Prague. He became a naturalized U.S. citizen in 1945.

RAYMOND C. MOORE, professor of geology at the University of Kansas, has received the Hayden Memorial geological award of the Academy of Natural Sciences of Philadelphia. The award is given for the "best publication, exploration, discovery or research in the science of geology and paleontology, or in such particular branches thereof as may be designated." Moore has published three textbooks and about 200 scientific articles.

LUIS AVELEYRA ARROYO DE ANDA has been appointed director of the National Museum of Anthropology in Mexico. He is well known to American students, to whom he has for a number of years extended generous and competent assistance. He is also well known for his leadership, along with Maldonado, in the discovery in the Iztapan area of two mammoths and associated dart points indicating the existence of early man.

ROBERT F. MEHL, dean of graduate studies at Carnegie Institute of Technology, will receive the 1956 Pittsburgh award of the Pittsburgh Section of the American Chemical Society at a dinner in his honor on 12 Dec. This award is made annually for outstanding contributions to the advancement of chemistry in the Pittsburgh area.

At the recent dedication of Temple University's \$12-million medical center, the following medical educators received honorary degrees: **FRANKLIN D. MURPHY**, chancellor of the University of Kansas; **ISIDOR S. RAVDIN**, professor of surgery at the University of Pennsylvania; **WILLIAM S. MIDDLETON**, head of medical services of the Veterans Administration Hospitals; **FRANCIS R. MANLOVE**, director of the University of Colorado Medical Center; **MANSON MEADS**, Bowman Gray School of Medicine; **WILLIAM B. WOOD, JR.**, Johns Hopkins University; **ALEX J. STEIGMAN**, University of Louisville; **DAVID S. RUHE**, University of Kansas School of Medicine; and **GEORGE W. CORNER**, Rockefeller Institute for Medical Research.

Recent Deaths

HAROLD L. AMOSS, Greenwich, Conn.; 70; former professor of medicine at Duke University; 2 Nov.

FARRAND N. BENEDICT, Parsippany, N.J.; 76; vice president and chief engineer of the Crimmins Contracting Company; 3 Nov.

WILLIAM L. BURGOYNE, Lake Success, N.Y.; 58; consulting aeronautical engineer; 8 Nov.

ANDREW A. DICK, Los Angeles, Calif.; 53; former professor of surgery at Loyola University (Chicago); 2 Nov.

G. LYMAN DUFF, Montreal, Canada; 52; dean of the faculty of medicine at McGill University; 1 Nov.

HARRY G. V. EVANS, Caldwell, N.J.; 32; research chemist at Thomas A. Edison, Inc.; 3 Nov.

VLADIMIR P. FILATOV, Odessa, Russia; 81; director of the Ukrainian Research Experimental Institute for Eye Diseases and Tissue Therapy; 30 Oct.