

Fifteen honored with National Medals of Science



WU



BENEDICT



HIRSCHFELDER



TERMAN



BETHE



PICKERING



WILSON

Fifteen researchers have been designated recipients of the 1975 National Medals of Science for achievements in science, mathematics and engineering. Among them are seven individuals who have made contributions to physics or physics-related fields: Manson Benedict, Hans A. Bethe, Joseph O. Hirschfelder, William H. Pickering, Frederick E. Terman, E. Bright Wilson Jr and Chien-Shiung Wu.

Benedict has been Institute Professor Emeritus at the Massachusetts Institute of Technology since 1973. He is known for his research on the separation of uranium isotopes through gaseous diffusion and has been honored with awards of several scientific societies—most recently he has received the Founders Award of the National Academy of Engineering (see PHYSICS TODAY July, page 69).

Nobel Prize winner in physics in 1967 for his work on the energy reactions underlying the energy production of stars, Bethe is now Emeritus John Wendell Anderson Professor of Physics at Cornell University. He received his current title upon retirement in 1975 after having served 40 years on the Cornell faculty. During his career Bethe contributed to a

wide range of areas in theoretical physics and has been recognized by professional organizations in Europe and the US.

Hirschfelder, who holds doctorates in physics and chemistry from Princeton University, is Homer Adkins Professor of Theoretical Chemistry and director of the Theoretical Chemistry Institute at the University of Wisconsin-Madison. In addition to his career in academics, Hirschfelder has been associated with several government institutions—among them are Los Alamos Scientific Laboratory (1943-46), Argonne National Laboratory (1962-66) and the National Bureau of Standards (1962-67).

Pickering is director of the Jet Propulsion Laboratory and professor of electrical engineering at the California Institute of Technology. During his career he served on science advisory panels to branches of the armed services and, in the 1960's, he was head of the Cal Tech program that developed the first US artificial satellite, Explorer I.

Terman is Emeritus Vice President of Stanford University, where he served on the faculty from 1925 to 1958. A specialist in electronics engineering, he is a past president of the Institute of Electri-

cal and Electronics Engineers.

Richards Professor of Chemistry at Harvard University, Wilson holds a doctorate in physical chemistry from the California Institute of Technology. His research interests include quantum mechanics in chemistry, molecular dynamics and microwave spectroscopy.

Wu, Pupin Professor of Physics at Columbia University, retired in February as President of The American Physical Society. A specialist in nuclear physics, Wu experimentally established non-conversion of parity in beta-decay. She has been honored by awards of scientific societies in China and the US and received the Woman of the Year Award of the American Association of University Women in 1962.

The eight other scientists who received National Medals are John W. Backus (IBM San Jose Research Laboratory), Shiing-Shen Chern (University of California-Berkeley), George B. Dantzig (Stanford University), Hallowell Davis (Washington University), Paul Gyorgy, Sterling B. Hendricks (US Department of Agriculture, retired), Lewis H. Sarett (Skillman, N.J.) and Orville A. Vogel (Pullman, Wash.).

University women honor astronomer Garmany

Catharine Garmany has been named recipient of the 1976 Annie J. Cannon Award. The Cannon Award, which is administered by the American Association of University Women in cooperation with the American Astronomical Society, is presented biennially to a woman under 35 years of age to encourage her active participation in research. Garmany received her PhD from the University of Virginia in 1971 and is presently a part-time re-

search assistant at the National Bureau of Standards in Boulder, Colorado. The award includes \$1000 and will enable Garmany to study "Motions of Intermediate-Age Stellar Subgroups."

Jeong wins Millikan Lecture Award

Tung Hon Jeong, professor of physics at Lake Forest College, has been selected to receive the American Association of Physics Teachers 1976 Millikan Lecture

Award. The award honors a physicist for contributions to the teaching of physics and consists of a medallion and honorarium.

A native of China, Jeong came to the US in 1948 and received his PhD in 1962 from the University of Minnesota. Since 1963 he has been at Lake Forest, where he has conducted the only college-accredited holography workshops in the world. Last year he completed a national tour as Chautauqua Lecturer for the American Association for the Advancement of Science under the auspices of the Na-