PhD in physics from New York University. He spent 15 years with the National Science Foundation; his last position there was associate director for planning. Before joining NSF, Dees was chief of the scientific and technical division at the general headquarters of the Supreme Commander for the Allied Powers, Japan, where he helped with the reconstruction of Japanese scientific work.

During ceremonies held last October the highest award of the Franklin Institute, the Franklin Medal, was given to John A. Wheeler, Henry professor of physics at Princeton University, for his studies of atomic fission and of the interaction of electromagnetic and gravitational fields. The institute's Cresson Medal went to Henry Eyring, professor of chemistry and metallurgy at the University of Utah, and Peter C. Goldmark, president of the Columbia Broadcasting System Laboratories, and the Longstreth Medal was awarded to Carl J. Frosch of Bell Telephone Laboratories (retired) and Jean A. Hoerni, president of Intersil, Inc.

Albert Ghiorso, director of the HILAC Laboratory at the University of California, Berkeley, and Charles P. Ginsburg, vice-president of the Ampex Corp., won the Potts Medal; Frank H. Spedding, principal scientist, Ames Laboratory, won the Clamer Medal. Emmett N. Leith of the University of Michigan was the winner of the Ballantine Medal, and Harold E. Edgerton of MIT won the Michelson Medal (PHYSICS TODAY, November, page 101).

Geological Society Honors Harold Urey, Francis Birch

At its annual meeting in Atlantic City in November, the Geological Society of America presented its highest awards to Francis Birch of Harvard and Harold C. Urey of the University of California, San Diego.

Birch, a professor of geophysics, received the Penrose Medal for eminent research in pure geology. The society said, in part: "A significant part of the geophysical and related geological conclusions reached by others since the beginning of his career is based on data that he and his associates have provided and carefully explained."

Urey, a Nobel laureate in chemistry, received the Arthur L. Day Medal for contributions to geologic knowledge made through the applications of physics and chemistry to geologic problems.

ELIZABETH A. WOOD (right), who won the Dickinson College (Carlisle, Pa.) Glover Memorial Award in December, with (from left to right) Dickinson students Clyde Heckler and Susan Miller and physicist Priscilla Laws. Wood, former president of the American Crystallographic Association and a Bell Telephone Laboratories physicist until her retirement two years ago, was honored for her work in crystallography and as a science-education writer; she is the first woman to receive the award, which was established in 1959.

ASA Awards 1st Trent-Crede Medal to C. Irwin Vigness

The Acoustical Society of America has granted the first Trent-Crede Award posthumously to a man who worked for many years to see it established, Carl Irwin Vigness, former chairman of the society's Shock and Vibration Technical Committee. The award, which consists of a model and a certificate, is given for contributions to the technology of shock and vibration. It is named in memory of Horace M. Trent and Charles E. Crede, both very active in shock and vibration work. Vigness died in September, 1966.

Walter H. Zinn Receives AEC Enrico Fermi Medal

The Atomic Energy Commission has selected Walter H. Zinn as the 13th recipient of its $25 000 Enrico Fermi Award. Presentation was scheduled for 2 Dec. in San Francisco.

The commission cited Zinn "for his pioneering work in atomic energy, including the world's first reactors and the fast-breeder reactor, and for his distinguished record of leadership and contributions to the development of atomic reactors for research, production, propulsion and electric power."

A former director of Argonne National Laboratory and now a vice-president of Combustion Engineering Inc. Zinn worked with Leo Szilard in the 1930's on neutron physics. He worked under Fermi in Chicago in 1942 and helped to build the first successful atomic pile.

NASA Distinguished Service Medal Goes to Charles Townes

Charles W. Townes of the University of California, Berkeley received the Distinguished Public Service Award and delivered the main address at the annual awards day of the National Aeronautics and Space Administration in Washington. Awards for exceptional achievement in science, engineering and administration were made by Thomas O. Paine, NASA administrator.

Arthur Ruark Retires from AEC Division of Research

Arthur E. Ruark has retired as senior associate director of the US Atomic Energy Commission division of research. He had been with AEC since 1956 when he was named chief of the controlled-thermonuclear branch. While a PhD candidate at Johns Hopkins University, Ruark joined the atomic-structure section of the National Bureau of Standards. He later taught at Yale, the Mellon Institute,

the University of Pittsburgh and the University of North Carolina (where he was department chairman). From 1953 until he joined AEC Ruark was Temerson professor of physics at the University of Alabama.

Ruark's research interests have been in nuclear and fundamental-particle physics (he follows the quark both in journals and alphabetically), and he continues to be interested in current research directions (see PHYSICS TODAY, September, page 25).

David Z. Robinson to be Carnegie Vice-President

David Z. Robinson, vice-president for academic affairs at New York University, will become a vice-president of the Carnegie Corporation of New York and the Carnegie Foundation for the Advancement of Teaching as of 1 Aug. A chemical physicist, he has been at NYU since 1967. While at NYU he was involved in both planning and administration.

Robinson was a research physicist and assistant director of research at Baird Atomic and its predecessor, Baird Associates, from 1949–61, except for a year off with the US Office of Naval Research in London. After he left Baird, he spent a year as technical assistant in the Office of Science and Technology. He was chairman of the International Commission on Optics for two years, and is a member of the Optical Society of America.

Moses Jacobson, Physicist at Mine Safety Appliances Co.

Moses G. Jacobson, an Estonian who left an academic career in Russia for an industrial one in the US, died last September at the age of 84. Jacobson spent 29 years with the Mine Safety Appliances Company of Pittsburgh, working principally with gas detectors, recorders and alarms. A private consultant after his retirement in 1959, Jacobson held more than 50 US and foreign patents, in various fields including oxygen detection.

Vesto M. Slipher, Directed Lowell Observatory, Dies

Vesto M. Slipher, director of the Lowell Observatory until 1952, died 8 Nov. at 93. Slipher had been at the observatory since 1901 and became director in 1926. He supervised work that led to the discovery in 1930 of Pluto. Among the honors received by Slipher were the Lalande Prize and gold medal of the Paris Academy of Sciences (1919), the Draper Medal of the National Academy of Sciences (1932) and the Royal Astronomical Society gold medal (1932).

Augenstein, Michigan State Biophysicist, Dies at 41

Leroy Augenstein, chairman of the Michigan State University department of biophysics, died in an airplane crash near East Lansing, Michigan on 8 Nov. Augenstein, who was a geneticist and studied brain function, had been department head since 1962. Before coming to Michigan he was at Brookhaven National Laboratory. He recently wrote a book on genetic manipulation (*Let Us Play God*, Harper & Row, 1969), and was an initiator of a drive to tighten precautions against lunar organisms that might be carried back to earth by Apollo 11.

Daniel W. Healy, Jr, 54; Rochester Department Head

The first chairman of the electrical-engineering department at the University of Rochester, Daniel W. Healy, Jr, died in October after a long illness at the age of 54. Healy formed the department when he left Syracuse in 1958 for Rochester; it now has 14 members. He was active in university-wide affairs and helped organize the faculty senate.

Francis Smith, Professor And Former Dean at Drexel

Francis J. Smith, associate professor and former assistant dean of the graduate school at Drexel Institute of Technology, died in October at the age of 47. In addition to his teaching, Smith wrote many science shows for radio and television. He was the weather forecaster for WFIL-TV and had served as first chairman of the Philadelphia Mayor's Committee on Noise Abatement. □