

we hear that

James G. Campbell, managing director of Engelhard Industries in Victoria, Australia has been elected president of the Australian Institute of Physics.

At the US Naval Research Laboratory **Harper Q. North** has been appointed associate director of research for electronics. He was formerly manager of the electro-optical department of the Northrop Corp.

Floyd E. Gelhaus and **Mario Rabinowitz** have joined the Electric Power Research Institute. Gelhaus, formerly a project engineer in the nuclear energy division of General Electric Co, has become a member of the technical staff of the nuclear systems and materials department in EPRI's nuclear power division. Rabinowitz has been named manager of superconducting and cryogenic projects in the transmission and distribution division. He was previously a research physicist at the Stanford Linear Accelerator Center.

Donald W. L. Sprung, professor of physics at McMaster University in Hamilton, Ontario, has been named dean of the faculty of science.

Alan M. Litke, research associate at the Lawrence Berkeley Radiation Laboratory, has been appointed assistant professor of physics at Stanford University.

Newly appointed assistant professors of physics at Texas A&M University are **David A. Church**, **David J. Ernst** and **Robin Shakeshaft**.

obituaries

George Bradley

George E. Bradley, professor of physics at Western Michigan University for 24 years, died on 15 February in Kalamazoo, Michigan at the age of 50. During Bradley's tenure as head of Western Michigan's physics department (1964-71), its staff doubled, much significant research began and an \$8 million building complex was constructed.

Bradley received his AB degree in 1945 from Miami University in Ohio, his MS in 1947 and his PhD in 1952 from the University of Michigan. He started teaching at Western Michigan University in 1951 as assistant professor of physics and was soon promoted to associate professor and then to professor. During 1959-60 he was a National Science Foundation Fellow at Harvard University, working in his research speciality, nuclear physics. While on sabbatical leave during 1971-72, Bradley served as a research associate at the University of Karlsruhe, West Germany. He and other members of this research group conducted an experiment at CERN (European Organization for Nuclear Research) in Geneva, Switzerland.

Active in efforts to bridge the gap between science and religion, Bradley was a member of the science and theology discussion group sponsored by the Danforth Foundation. He was also a Kent Fellow of the National Council on Religion in Higher Education and was active in the Kalamazoo Congregational Church and in its campus ministry group.

Bradley was known as an excellent teacher who was vitally interested in the welfare of his students, as an outstanding research worker in the field of nuclear physics and as an administrator who knew how to get things accomplished. He will probably be best remembered as a humanitarian. The physics department at Western Michigan University has established the George E. Bradley Physics Award to be



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given to an outstanding graduate physics teaching assistant each year.

NATHAN L. NICHOLS
Western Michigan University
Kalamazoo, Michigan

Eugene Greuling

Eugene Greuling, professor of physics at Duke University, died on 16 April. He was 60 years old.

A specialist in theoretical nuclear physics, radioactive beta decay and reactor theory, Greuling was one of the original staff members at Los Alamos Scientific Laboratory, where he worked on the Manhattan Project. He was principal physicist at Oak Ridge (now Holifield) National Laboratory from 1946 until he joined the Duke faculty in 1948. As a member of the safety and licensing board of the Energy Research and Development Administration, he favored the use of nuclear-powered generators but advocated the utmost safety precautions in their design, construction and operation.

Greuling continued to fulfill his teaching duties at Duke and to serve as a consultant to government and various industrial concerns until his death.

Victor Carbonara

Victor E. Carbonara, retired president of the Kollsman Instrument Corporation, died on 23 February. He was 79 years old.

Carbonara was born and educated as an engineer in Italy. He came to the US in 1921. As chief production engineer of the Pioneer Instrument Co, he worked with Charles A. Lindbergh, Richard E. Byrd and other early trans-Atlantic pilots in preparing charts and navigational data. He held various patents for air-navigation instruments, including the periscope sextant (1948). Later he developed equipment for tracking the sun and stars automatically, and continued to do research after his retirement.

Louis McKeehan

Louis W. McKeehan, professor of physics at Yale University during 1927-55, died on 28 March at the age of 87.

McKeehan's research included radioactivity, discharge in gases, ferromagnetism, submarine mines, slow-motion spheres in gases and scattering of cathode and beta rays. He taught at the University of Minnesota until the outbreak of World War I, during which he was a technician in the Naval Ordnance Bureau. At Yale he directed the Sloane Laboratory of Physics. He served as a captain in the Navy during World War II, was assistant naval attaché in London and chairman of the scientific advisory board of Operation Crossroads for the strategic bombing of Japan. After becoming emeritus professor he was a research associate at the laboratory of marine physics in New Haven, Connecticut and Jamestown, Rhode Island. □