

Charles D. Graham, Materials Science and Engineering

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Charles Danne Graham, an emeritus professor in the department of materials science and engineering, died on March 18, 2024. He was 94.

Dr. Graham received a bachelor's in Metallurgical Engineering with distinction from Cornell University in 1952. He then went on to earn a PhD in physical and theoretical metallurgy as a Fulbright Scholar at the University of Birmingham in England in 1954. Following his doctoral studies, he worked as a research metallurgist at the New York-based General Electric Research and Development Center, where he was named a John Simon Guggenheim Memorial Foundation Fellow in 1961.

After his time in industry, Dr. Graham first came to Penn as a visiting professor in 1969 and then joined the faculty in 1970 as a professor in the then-named department of metallurgy and materials science (now the department of materials science and engineering) in Penn Engineering. He served as chair of the department from 1979 until 1984. Dr. Graham retired and took emeritus status in 1997.

Dr. Graham's research focused on magnetic materials and measurements, domain structure, amorphous alloys, and permanent magnets. He was a senior member of the IEEE Magnetics Society and a member of ASM International, formerly known as the American Society for Metals, and the Metallurgical Society. He also served as chair of the IEEE-APS Annual Conference on Magnetism and Magnetic Materials. Dr. Graham was a visiting scholar-researcher at several institutions, including Cardiff University, the University of Bath, and the University of Birmingham. He authored over 120 papers and book chapters and held several patents.

During his time at Penn, Dr. Graham was active in the Faculty Senate and served as chair of *Almanac's* Advisory Board. Later in his career, he served as a senior design instructor in materials science and engineering and prioritized STEM-focused programs for visiting high school students.
