

**MEMORIAL RESOLUTION OF THE FACULTY  
OF THE UNIVERSITY OF WISCONSIN-MADISON**

**ON THE DEATH OF PROFESSOR EMERITUS RICHARD ARTHUR DODD**

Richard Arthur Dodd, professor emeritus of materials science and engineering at the University of Wisconsin-Madison, passed away in Madison on November 18, 2011. Professor Dodd was eighty-nine years of age, having been born on February 11, 1922, in Derby, England. He is survived by his wife of 64 years Marie, son Richard (Marilyn) Dodd, daughters Joanna (Henry) Schwebach, Judith (Jim) Mills, and Jane (Wayde) Peroceschi, and grandchildren Alex (Shawn) Kelly, Richard Schwebach, Ian Mills, and Seth Mills, and sister Barbara Wallace. Professor Dodd received degrees from the University of London (BS in chemistry, 1944; MS in crystallography, 1947) as well as a PhD in metallurgy from the University of Birmingham in 1950. In 1974, Arthur was awarded the degree of Doctor of Science by the University of London for contributions to metallurgical science.

During World War II, Professor Dodd, worked as a metallurgist in the Rolls-Royce foundries, manufacturer of aircraft engines for the British Royal Air Force. During that period, he was also a member of the anti-aircraft group in the Home Guard.

Upon completion of his doctorate in 1950, Professor Dodd accepted a senior lectureship position at the University of the Witwatersrand in Johannesburg, South Africa and in 1954 became a research officer for the Canadian Department of Mines and Technical Surveys in Ottawa, Canada. In 1956, Arthur joined the faculty of the metallurgical engineering department at the University of Pennsylvania. In 1959, Arthur joined the Department of Mining and Metallurgy at the University of Wisconsin in Madison as associate professor. In 1962, Professor Dodd was promoted to professor, remaining at the university until his retirement in 1992, at which time he was granted emeritus status.

Arthur was a founder of the graduate program in materials science at the University of Wisconsin and was the first chair of the materials science program committee. In 1974, he became chair of the Department of Materials Science and Engineering and was director of the Materials Science Research Center for five years. He served on the executive committee and the research committee of the Physical Sciences Division and on the university's Committee on Faculty Rights and Responsibilities. His fairness, sound judgment and strong work ethic were well recognized, leading to service on numerous College of Engineering committees.

Professor Dodd's mentoring of graduate students produced a score of MS degrees as well as sixteen doctorates. Arthur was awarded many research grants and published over 150 technical papers. He was also a member of many professional and honorary technical societies which notably included being a fellow of the Royal Society of Chemistry of London and the Institution of Metallurgists (England), as well as Sigma Xi.

Recognizing Professor Dodd's expertise, Chancellor Shalala wrote on August 20, 1992 in support of his appointment to emeritus status, "...we take special pride in noting your extensive contributions to the materials profession and to small companies in the state which solicited your help in solving their corrosion problems." "...you are recognized nationally and internationally as an expert in irradiation damage, corrosion and creep of intermetallic compounds." Arthur was extremely active as an emeritus professor, *pursing a rigorous research program and living the Wisconsin Idea*. We had the pleasure to see him frequently on campus for more than two decades after his retirement.

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Arthur's dedication to teaching was notable. He regularly attained high rankings as an instructor of courses ranging from undergraduate to graduate to intensive specialty courses offered through University of Wisconsin-Extension. This was also acknowledged by Chancellor Shalala: "Your dedication to teaching on both the undergraduate and graduate level is especially noted." As emeritus professor, he regularly advised senior undergraduates on senior design projects and at age 85 was still teaching his undergraduate corrosion course.

Arthur was accomplished in pursuits beyond the classroom and laboratory. His *love of travel, especially taking his family on trips* across the world, is perhaps *the most* obvious example of his many facets as a person. He was fortunate to make many worldwide travels with his wife Marie and has lectured in many countries.

However, a number of aspects of Arthur's life are not well known to casual acquaintances. For example, he had the uncommon talent of being a 'dual whistler.' Arthur was a devoted amateur athlete, spending many lunch hours playing racquetball and early mornings at the Natatorium in pick-up basketball games. He was also both an avid golfer (a member since 1963 of Cherokee Country Club) and an avid fly fisherman. A sports enthusiast, Arthur enjoyed watching televised Wisconsin sports teams, golf, and English football. Equal to his devotion to physical exercise was a fondness for the bridge table where he won many rounds as well as many friends.

He was also a successful amateur horticulturalist and loved spending time in his greenhouse and tending to outdoor plantings.

Since 1976, Arthur was an active member of Community of Hope United Church of Christ, where he served as deacon, elder and clerk of session.

Arthur will be remembered by his family, students, colleagues and friends for his dry wit, creativity, amazing memory, curiosity, kindness, and generosity.

We will continue to be reminded of his dedication to the missions of the university through the scholarship endowed in his memory by his wife Marie Dodd, which will both support and inspire young Wisconsin engineering students.

MEMORIAL COMMITTEE

Susan Babcock  
James Clum, chair  
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