

MEMORIAL RESOLUTION ARTHUR F. VEINOTT, JR. (1934-2012)

Arthur Fales Veinott, Jr., Professor of Management Science and Engineering, Emeritus, in the School of Engineering, died at Stanford Hospital on December 12, 2012 at age 78. He will be remembered as a towering figure in the field of operations research.

Born in Boston, he grew up in Newton, Massachusetts. From childhood he was called "Pete." He attended public schools in Newton and graduated from Lehigh University, where, in 1956, he earned the degrees of Bachelor of Science in Industrial Engineering and the Bachelor of Arts and Science. He was an outstanding student and was elected to Tau Beta Pi, Phi Beta Kappa, and Omicron Delta Kappa. Pete went on to Columbia University where in 1960 he earned a doctorate in Engineering Science specializing in operations research. He spent two years as an operations analyst in the Logistics Command of the United States Air Force. Completing this service with the rank of 1st Lieutenant, Pete joined the Stanford faculty as assistant professor in the Department of Industrial Engineering. He was promoted to associate professor in 1964 and full professor in 1967.

Along with Kenneth Arrow, Gerald Lieberman and others, Pete Veinott did much to build the doctoral program in operations research into the Department of Operations Research which, for a many years, enjoyed the reputation of the world's leading department of its kind. In the process, Pete augmented his already extensive knowledge of mathematics, statistics, economics, and computer science, the disciplines that play leading roles in the OR field. Pete was intensely inquisitive; when he dove into a topic, he followed it to the bottom and back again. For this characteristic, he was legendary. He was arguably a master of the entire OR field, not just its subspecialties. And yet Pete had several specialties within OR. These were inventory theory, supply-chain optimization, dynamic programming, lattice programming, and network optimization, all of which were deepened and broadened by his comprehensive scholarship. Pete Veinott's highly polished class notes were widely distributed and served as textbooks for generations of students in operations research and management science throughout the world.

Pete Veinott's profound contributions brought him many honors. He was: a Fellow of the Institute of Mathematical Statistics, a Guggenheim Fellow, a member of the National Academy of Engineering, an inaugural INFORMS Fellow, and a recipient of the John von Neumann Theory Prize from INFORMS. Pete was also a very effective campaigner for the recognition of other researchers whose body of work he admired. When the honorees were departmental faculty, Pete would be sure to help the department celebrate the occasion by hosting a dinner party or a luncheon.

Pete's list of other professional activities is lengthy. It includes service on three professional editorial boards including that of *Mathematics of Operations Research* of which he was the founding (and later advisory) editor. He was an elected member of several

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councils of mathematical science organizations. For ten years (1975-1985) he served as Chairman of the Department of Operations Research. At around that time, he and several other faculty created the still popular Undergraduate Program in Mathematical and Computational Sciences.

In June 2009, faced with a terminal medical condition, Pete Veinott joined the ranks of the faculty emeriti. With grace and composure, he continued his engagement with academic and scientific activities to the very end.

Committee consisting of Benjamin Van Roy, Yinyu Ye, and myself, Richard W. Cottle, Professor of Management Science and Engineering, Emeritus