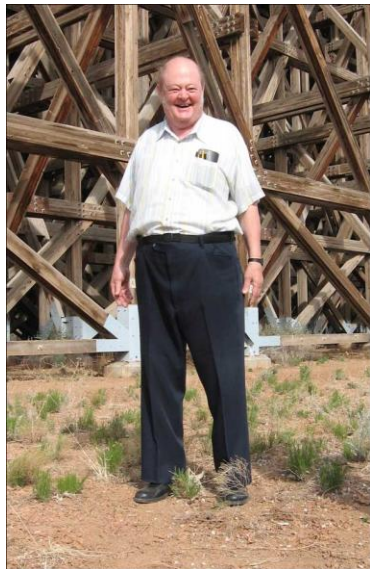


Obituary for Carl E. Baum

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Carl E. Baum passed away peacefully on December 2, 2010. Born in Binghamton, NY on February 6, 1940, he received his BS in electrical engineering with honors from Cal Tech in 1962. He was commissioned a 2nd Lieutenant in the Air Force and assigned to the newly formed Air Force Weapons Laboratory at Kirtland AFB. In 1969, Captain Baum received his doctorate from Cal Tech. In 1971, he accepted a civilian position at the Air Force Weapons Laboratory and continued his remarkable engineering work there until 2005. After serving the Air Force for 42 years as both an officer and a civilian, Dr. Baum retired from the government in 2005 and continued his work as a Distinguished Professor of Electrical Engineering at the University of New Mexico. Dr. Baum was a master of mathematics and electromagnetic theory and antenna design, and was blessed with a remarkably creative scientific mind. His works have been published extensively in conference proceedings, scientific journals, and books throughout the world. As a distinguished lecturer, he traveled extensively to all parts of the United States and throughout the world presenting papers, giving lectures, and teaching short courses on high power and ultra-wideband electromagnetics. During the last five years of his life, he was working closely with Old Dominion University developing treatments for cancer using highly focused ultra-wideband electromagnetic pulses. Dr. Baum authored, edited, and maintained an extensive library of technical papers on electromagnetics, mathematics, and related subjects known as the Note Series. He also founded the SUMMA Foundation which sponsors scientific conferences, publications, short courses, fellowships, and awards in electromagnetics. Truly one of the great minds of his time, he will be remembered not only for his work, but also for his generous spirit and joyous outlook on life. A remarkable man with a remarkable mind and spirit, Dr. Baum touched the lives of thousands of colleagues, and he will be greatly missed. Carl is survived by his two nephews and sister-in-law, George, Spencer, and Martha Baum of Albuquerque. A viewing will be held from 6:00 p.m. to 7:00 p.m., at St. Charles Borromeo in Albuquerque on Sunday, December 5, 2010 with a rosary to follow at 7:00 p.m. Funeral Mass will be celebrated at 10:00 a.m., on Monday, December 6, 2010 at St. Charles Borromeo, 1818 Coal Place SE, (505) 242-3462. In lieu of flowers, donations can be given to SUMMA Foundation, 600 Valverde SE, Albuquerque, NM 87108. Online condolences can be submitted at www.danielsfuneral.com. Services have been entrusted to: Daniels Family Funeral Services 1100 Coal Ave SE Albuquerque, NM 87106 505-842-8800