



## Leo Gaddis, Ph.D. Biographical Information

Leo Gaddis graduated BSME, MSME from New Mexico State University before joining LTV Aerospace Corporation in Dallas. There he worked on several missile programs and provided design and analysis for the Apollo program in the area of spacecraft thermal control. He took leave to study and obtain his PhD from The University of Texas at Austin. Following graduation he returned to LTV for four years, where he developed computational capabilities and performed advanced design on the shuttle flash evaporator.

After eight years of industrial applications, Dr. Gaddis joined Clemson University and the Department of Mechanical Engineering. He participated in development of the department, taught, and performed research until his retirement after nearly 34 years at Clemson. He taught in the area of thermal sciences: fluid mechanics, thermodynamics, and heat transfer. His personal achievements in teaching were in the area of fundamentals but with emphasis on design and expressed under economic pressure. While on the faculty he served as a consulting partner in a membrane business which designed and manufactured industrial separation systems.

Prof. Gaddis's research was varied in heat transfer applications, fluid mechanics in two phase systems, and membrane systems. He published thirty or more refereed papers, some additional conference proceedings, and several reports. His students have contributed to the profession all across the nation and internationally. He has served as consultant to over ten corporations across the nation.