



Dr. Lewis A. Stallworth, III

January 6, 2008

Dr. Lewis A. Stallworth, III, 74, departed this life, Sunday, January 6, 2008 at Waccamaw Community Hospital. Lewis was born on January 7, 1933 in Knoxville, Tennessee, the son of Lewis A. Stallworth, Jr. and Rhea Cockrell Stallworth. He was a member of St. Peter's Lutheran Church and enjoyed playing golf. He won the men's Seagull Championship in 1999. He graduated from Auburn University with a B.S. in physics, and a M.S. and PhD in applied mathematics from Rensselaer Polytechnic Institute. After his graduation from Auburn University, he accepted a commission in the U.S. Navy. His many duties as a naval officer included serving as an aide and flag lieutenant for Commandant Ninth Naval District, Engineering Officer of U.S.S.M.C. Fox, Operations Officer of U.S.S. Grackle, Executive Officer of U.S.S. Diachenko, and Commanding Officer of U.S.S. Somersworth. It was after attending the Naval Postgraduate School in Monterey, CA that Lewis decided to resign his commission and return to school full time to pursue graduate studies in applied mathematics at Rensselaer Polytechnic Institute. At the time he entered R.P.I, he was only the second student in the history of the applied mathematics program to have passed all qualifying exams the first time taken. Upon receiving his doctoral degree, Lewis accepted a position as a research mathematician at the Naval Underwater Systems Center in New London, CT. During his tenure at the Naval Underwater Systems Center, Dr. Stallworth received many awards and commendations for his contributions and research in sonar and acoustic technology. Of his many published research papers, he

received special recognition for articles, “An Acoustic Method for Determining Current, and “A New Method for Measuring Ocean and Tidal Currents.” He also received special achievement awards for research involving “Sound Transmission in an Isospeed Ocean Channel with Depth-Dependent Current” and “Acoustic Propagation in a Uniformly Moving Ocean Channel with Depth Dependent Sound Speed.” Under his leadership, the Sonar Trainer Group assumed an expanding role of technical support involving management recommendations, technical analysis, and authorship and production of development specifications for the Trident Sonar Trainers and On Board Trainers. Lewis was also responsible for providing support for the specification of massively parallel computer systems to host the comprehensive Anti-Submarine Warfare Sonar Simulation Models. His expertise also led him to become a manager for submarine sonar trainers and a consultant and technical manager for various naval warfare engagement studies, simulation model developments, environmental acoustics programs, and independent research in acoustic propagation with emphasis on moving media. Dr. Stallworth was awarded two patents, “Acoustic Current/Flow Measuring System” and “Ship Speed Indicator.” This second patent was presented at the World’s Fair for Technology Utilization for Industry in Chicago. His research led him to be an invited speaker at the Joint National Meeting of the Operations Research Society of America and the Institute of Management Science. Lewis also presented his research at the Imperial College in London, England, and was an invited speaker to assess the military value of combat systems at the office of Naval Research Conference in Rougemont, NC. Having demonstrated outstanding achievements in his field through research, publications, and patents, Lewis was listed in Who’s Who in the East, 1975. After retiring from the Naval Underwater Systems Center, Lewis worked for Syscon Corporation as a manager of a team providing technical and program support to trainer development, testing, installation, and procurement of Trident Sonar Maintenance. He also taught as an adjunct professor in mathematics at the Hartford Graduate Center and University of Connecticut.