

About Albert S Richardson, Jr and his father Albert S Richardson, Sr

This scholarship, established by AR Products, LLC honors the late Albert S Richardson, Jr, a trailblazer in galloping and vibration control, and his father Albert S Richardson, both of Canton, OH.

Having graduated from 8th grade before working on a farm to support his brothers and sisters, Albert Sr viewed hard work and education as core values of a life well lived. A rugged steelworker, in 1936 Albert Sr. began organizing the workers in the Canton mills with his friend I.W. Abel. For many years, Albert held union leadership roles where he worked the presses at TimkenSteel. Always curious about how things work, Albert and another friend designed a novel method of vote counting mechanics and on March 15, 1923 the inventors were awarded Patent # 184074 for a Voting Machine.



The son, Albert S Richardson, Jr, known as AL, graduated from McKinley High School in 1942. Knowing World War II was to be a factor in his life, AL sought unsuccessfully to pursue his passion for aviation through a career with the Air Force. His vision not keen enough to become a fighter pilot, AL's next stop was with the recruiter next door where he enlisted in the US Navy, serving as torpedo man's mate on the USS Cole running convoys to Casablanca. During the return passage to the Port of Boston, AL learned of the new V-12 program whereby one enlisted man would be selected from each ship to attend an engineering school. In response to AL's inquiry about choosing a program, the ship's chief engineer advised "one of the best engineering schools in the world is right here in Boston." So having been selected from his ship, in May 1944, Albert S Richardson Jr. enrolled at MIT.

Over the years, AL often told two stories: 1. The many ways his dad described the value of an education and 2. How on June 6, 1944 (D Day) as he ascended the steps at MIT to start his semester, AL knew his life would be forever changed.

In October 1947 AL was awarded a BS in aeronautical engineering and joined the aeroelastic research lab at MIT, to be followed by a Masters Degree in 1955. From here he would pursue various research projects and eventually would become a recognized expert in the effects of aerodynamic wind/ice forces on high-voltage transmission lines (the galloping phenomenon). He founded two companies: Research Consulting Associates and AR Products.

Albert S Richardson Jr was a life member of IEEE and ASME, and a member of CIGRE. He published more than 80 papers, and has been issued more than 25 patents, three patents remain pending, in the US and Canada. Both father and son were deeply committed to education and "how things work." Each year, this scholarship intends to provide one graduating senior from the greater Canton, OH area with a pathway to a life changing future through education in the engineering sciences.

Scholarship Sponsor: AR Products, LLC
3 Wingate Road
Lexington, MA 02421

Board of Advisors: Guido Frassinelli
Kay Ring Adams
Sydney Richardson
Bill Bonds
Connor Richardson
Emily Richardson