

Carl W. Brown, Jr.

Science/Math



Carl W. Brown, Jr. graduated from Collinwood High School in 1975. Carl received his Bachelor degree in Chemical Engineering at Cleveland State University.

Brown began his career at Diamond Shamrock. As a team participant, Brown was a primary inventor of the Inorganic Bonded Asbestos Diaphragm and method in 1982. He was responsible for the commercial implementation of this process technology for Diamond Shamrock. This was the first of over a dozen U.S. Patents awarded to Carl W. Brown, Jr.

During the next five years, Brown worked as a Research Engineer at Diamond Shamrock and then at ELTECH Systems Corporation. Brown introduced the Polyramix method of manufacture and application, Polyramix being an asbestos replacement product for the Chlor-Alkali industry, and was awarded 3 more U.S. Patents. Polyramix received R&D Magazines' "R&D 100 Best Product of the Year" 1990 award. Brown also received the DuPont Plunket award for novel commercial use of Teflon®.

Promoted to Chemical Engineer, Brown worked with professors at Case Western Reserve University and co-invented a patented crystallizer/separator device that allowed a continuous commercial operation of the Al-Air battery stack.

In the next ten years, Brown was responsible for worldwide customer service, product and manufacturing support for the Anode Technology business. This technical leverage enhanced ELTECH's AT business growth. During this time Brown was promoted to a Research Supervisor position. Three more U.S. Patents for commercial/military applications were awarded to Brown during this time. Commercial success was met resulting in installations of potable water electrolytic disinfectant generator programs on all U.S. Navy aircraft carriers with electrode and cell hardware replacement sales.

Since 1999, Brown has published several papers and made regular conference presentations in his field of expertise around the country and worldwide.

For the next eight years, Brown was Technical Manager responsible for Copper Electrowinning operations in South America and North America operations. Brown has been awarded four Mesh-on-Lead anodes for Copper Electrowinning U.S. Patents, commercially applied in numerous mine locations in Southwest USA, Mexico and Chile, South America.

Currently, Brown has been promoted to Technical Assistance Manager DNOx. He is well respected in the DNOx business industry. Brown's programs have had an impact range from \$1 million to over \$15 million in sales.

Carl and his wife Janice have two sons – Carl III and Andrew Brown. Carl coached and managed traveling baseball teams for both sons for many years.