

CURRICULUM VITAE

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Mr. Newell has spent the better part of his working life doing product design and development of software and microprocessor controlled electro-mechanical devices.

Mr. Newell began working with microprocessors in 1980, not long after the first commercial microprocessors were introduced. He formed Micro Research Inc, and spent ten years in the microprocessor design and software engineering field with projects ranging from (1) a sealed Video Camera with remote control focus, used for sewer line inspection, [1983 for Cherne Industries in Minneapolis], (2) a Central Call Receiving Station with printer [1982 for Franklin Signal security systems], (3) the worlds first handheld monitor for GM automotive on board computers (with John Titus) [for Owatonna Tool Company , 1982], and (4) a high speed wrapping machine capable of wrapping four hundred candy bars per minute [1984 for Doboy Inc.], which was judged the most innovative product in the wrapping industry in 1984. In addition he designed and programmed numerous other projects in the control and measurement fields.

In mid 1986 Micro Research Inc was purchased by a group of investors and re-named Acculite Inc for the purpose of manufacturing and marketing a family of stage lighting products designed and patented by Mr. Newell. These included a low cost moving light system called 'Light Moves' , [patent # 4,827,195]. This product allowed the operator to control speed and direction of four individual stage lights via a four quadrant keypad or to create a repeatable preset so the light fixture would repeat its movement until commanded to stop.

In conjunction with this product Mr. Newell designed a four quadrant touch pad using optical switching to eliminate mechanical wear [patent # 4,831,359].

The most technically advanced lighting product was called 'Accu Trak' [patent # 4,716,344]. This device included the first instance of storing the desired position of a moveable light in memory, then saving the positions of a group of lights as a recallable preset and the first use of serial data as the method of communication with these remote fixtures. The master controller had a 'program' mode and a 'run' mode. A specialized set of these lights was installed at the inception of the 'Sigfreid and Roy Show' at the Mirage in Las Vegas in 1990 and remained for the life of the show.

In 1991 Mr. Newell began working in the corporate IT world on projects that refined and in some cases, revolutionized desktop applications for businesses. As an independent contractor and sometimes as an employee of companies like Northrup Grumman IT, TEKsystems, Quantum Consulting, PRC, Inc, and Law Cypress, Mr. Newell held various titles such as Business System Analyst, Senior Software Analyst, and Software Architect.

From 2001 Mr. Newell began specializing in large database management systems, and in enterprise wide scanning and storage. He is a certified developer in FileNet Content Management Systems (now part of IBM), designing and programming large scale scanning and database retrieval systems for Progressive Insurance, American Family Insurance, Hewlett Packard/Agilent, USBank, Merck Medco, Delta Dental, and the US Post Office Accounting Service Center.

Mr Newell is currently working at web site design and development, applying his years of programming and design experience to this field.

Mr. Newell has almost 20 years of management experience, holding a Certificate in Corporate Project Management, and has acted as a R&D Project Coordinator, a Project Manager, and was founder and CEO of Micro Research Inc, and CEO of Acculite Inc.

Mr. Newell holds a B.S. in Education, a M.A. in Theory and Composition and two years of Ph. D. work in Music Theory and Composition. He has been an active composer, having completed four symphonies, two string quartets, three large orchestral suites, numerous piano and other smaller pieces. He has had works performed by the Minneapolis Symphony (now the Minnesota Orchestra), the Minneapolis Civic Symphony, and various college orchestras.

Mr. Newell has more than 40 years experience with automobiles and engines. He became owner of his first Italian sports car, a 1965 Alfa Romeo Spider in 1968. In 1971 he became owner of a Ferrari 250 PF Coupe with a motor that was apart. He rebuilt the 12 cylinder Ferrari engine and several other Ferrari engines subsequently. In 1976 he began active SCCA Vintage Road Racing with the Ferrari, then later with an Alfa Romeo, then a Formula 'Vee' open wheeled car. In all Mr. Newell raced for nearly 20 years and rebuilt and or modified engines for the race cars. He is very aware of the many factors that contribute to performance and efficiency.

Since his retirement from racing his interest in cars continues through restoration activities. While restoring several mid-80's Alfa Romeo Spiders he became very familiar with the Bosch Fuel Injection Systems. He is currently restoring a BMW and a very rare mid sixties six cylinder Alfa Romeo Spider.

Mr. Newell is also familiar with aircraft piston engines. He has been a pilot for 25 years, and holds single engine, twin engine and instrument ratings. He has owned a Beech C24 and a Cessna 310B.