

DON MAMAYEK

April 21, 2012

Leaving Monsanto in 1979, I went to Fairchild Optoelectronics Division, Mountain View, responsible for upgrading Korea, Hong Kong, Malaysian and Singapore facilities with automatic assembly equipment/processes. After traveling forty plus weeks out of sixty weeks, I was offered a position in Singapore as IC Assembly and Engineering Manager. Involving production operations and engineering of automating processes/equipment from wafer saw through lead trim/form. After thirteen months, management decided that there were too many expats and everyone, except plant manager was transferred back stateside. Stateside, I was involved in setting up a new quick reaction microprocessor assembly facility in Wappinger Falls NY, in an empty building, until end of 1982.

At Marubeni Corporation, I was Technical Engineering Manager providing technical liaison between offshore semiconductor equipment designers, manufacturing engineers and material suppliers until 1985.

Having enough of the semiconductor industry ups and downs, I went back to my roots as microwave and RF engineer at Schonberg Radiation. We designed and built specialized equipment that X-Rayed: integrated circuits, alloy wheels, honeycomb plastic aircraft wings, bicycle parts, stainless steel submarine pumps and the Space Shuttle solid fuel rocket motors, until 1988.

I began consulting for the medical device industry, designing and fabricating piezoelectric parts for an ultrasonic Doppler blood vessel finder/flow-sensing device. In 1992, I went to work for Advanced Cardiovascular Systems as Engineering Manager, responsible for SmartNeedle system until 1995.

Next, Boston Scientific CVUS (Cardio Vascular Ultrasound System), as Principal Engineer on transducer research and development working on high frequency piezoelectric transducers/catheters from nine to greater than 50 MHz. This equipment is used to diagnose cardiac vessel disease/blockage. I was co-inventor or sole inventor on 27 patents. Left in 2004. Consulting and then Principal Engineer for Volcano Corp. for ultrasonic cardiovascular diagnostic catheters until 2005. Co-inventor on two patents. Continued consulting on various medical and ultrasound products until 2009.

My wife, Sallie and I have a married daughter, a granddaughter and a grandson on the way.



Don Mamayek (1981)



Don Mamayek (2012)