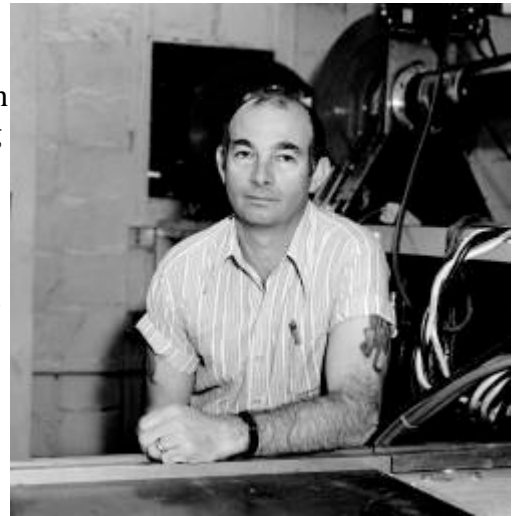


John Meneghetti

John Meneghetti died February 28th at his home after a lengthy bout with cancer. John was an integral member of LBL's Mechanical Engineering and Technology Groups for more than forty years before he retired in 1993. The photo shows John at the time of his 20th anniversary at the Lab in 1973. Throughout his career he played major roles in the construction and operation of nearly all of the Lab's major accelerators at Berkeley. In 1997 John was the recipient of the Lab's first *J. Michael Nitschke Award for Technical Excellence*. Dr. Albert Ghiroso presented the award and praised John for his many contributions and talents and for many years "playing key roles in the construction and operation of the machines of science that have been the backbone of the research performed at the Laboratory". John's knowledge, leadership and his ability to solve tough technical problems, as well as his tenacity in taking these solutions and demonstrating their viability, were irreplaceable.



John worked with Herman Grunder at the 88-Inch Cyclotron for many years in the 1960's, and when Herman became director of the SuperHilac in the early 1970's he asked John to join him and work on its many challenging mechanical systems. John led the work to improve the performance of the heavy ion injector systems and he also oversaw a major expansion program in the beamline systems. When the SuperHilac was linked to the Bevatron to form the BevaLac, John was again involved in many new challenges. Particularly noteworthy was his work with Bob Avery and Kurt Kennedy, and his invention of the very innovative new cryogenic vacuum liner inside the original Bevatron; this development proved crucial to enabling the BevaLac to accelerate very heavy ions with much improved intensity. John was an expert in vacuum systems, ultra high vacuum technology, and vacuum brazing, and his contributions in those fields were many. When John joined the Advanced Light Source (ALS) construction project he was a key participant in many critical areas. John worked with Tom Henderson and Kurt Kennedy on the novel ALS ultra high vacuum system that was a key feature in the ALS's successful performance. He also contributed to the magnet and alignment work, to the wiggler and undulator developments, and to the critical optics and stability requirements for the monochromators and beamline components. Some of his work led to the official "Vacuum Policy for ALS Beamlines and Experimental Systems", a document that is still used on a regular basis today. John also worked with many other varied fusion energy programs in AFRD. He worked on many features of electron-ring compressors in the early 1970's and induction linac experiments for heavy ion fusion in the 1980's. And in the mid 1990's after John had officially retired, he returned part time to work with the LBL collaboration team on SLAC's PEP-II Project, again working out novel innovations for the Low Energy Ring high vacuum systems. That project also was successful in meeting its challenging design goals thanks greatly to John's involvement.

Throughout his career John possessed absolutely great technical intuition and was never shy to profess his point of view, no matter with whom he had exchanges of opinion. But once others were able to penetrate his somewhat crusty outer shell, he proved to be very open to suggestions, always giving fair judgment to valid arguments. He was a good, honest and absolutely trustworthy colleague.

John was also keenly concerned for the continued future successes of the Laboratory. He anticipated the continuing needs for maintaining special expertise in the unique critical technologies required for designing, fabricating, assembling, and operating high performance modern accelerator systems. He was instrumental in recruiting, hiring and training many young people in the various mechanical groups and technology teams. In doing so, he also mentored a number of the young people who have become the skilled core of the accelerator technician and engineering group still vital to much of the Laboratory today. John's leadership style and the

care he showed for all those who worked for and with him earned him the love and respect unmatched among his many colleagues.

His Lab accomplishments are many, but he always considered his family and his home to be at the top of his personal list of accomplishments. His enthusiasm, energy, and expertise in his home centered activities were equally impressive; John designed and built his family's home and their horse barn, he designed and made beautiful cabinets and furniture, he managed an elaborate fruit and vegetable garden, and he created a marvelous model train layout with his grandson Eric. John's family and all of his friends throughout the extended LBNL community will miss him greatly.

Note; The photo above showed up when I 'googled' John's name. It shows the TEID number so it is probably easily accessed at LBL. It appears to be the '20-year portrait' that was used in 1973 in the 'Magnet' publication highlighting John's 20th anniversary. There are probably more recent photos available somewhere, but I thought this one was also particularly nice.

The Photo Information from TEID is listed below:

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People John Meneghetti
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