



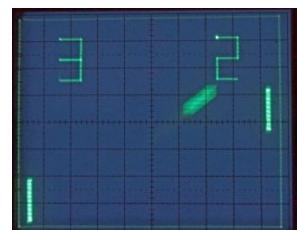
2018 End of Year Report

2018 proved to be another banner year for the vintageTEK museum. Attendance, volunteer hours, donations, and web traffic have all increased year over year. Specific groups at Tektronix who have previously requested tours continue to do so but special requested tours for Tektronix decreased after Lisa Mathews left. This year is the first time that we participated in the Fortive Day of Caring. We had five individuals, some of whom had never been to the museum, volunteer and helped complete some special projects. This was a great experience for all.

The museum is open typically 104 days per year. In addition, we opened an additional 37 days for special events. 22 of these days were to provide special tours for groups consisting of elementary school, middle school, high school, college, and senior groups. We conduct a special tour about every 2.5 weeks. We vary the tour depending upon the age and interest of the group. For seniors, many in the group either worked for Tektronix or had a spouse or relative work for Tektronix, so our tours tend to focus on the history of Tektronix and the impact in the local region. For younger visitors we tend to focus on the evolution of electronics and technology in components, design, display, computing, and television.

We began upgrading our showroom with new display cabinets for the instruments and a glass showcase for our CRT exhibit. We've added four "hands-on" exhibits for younger visitors to increase their interest and learning. Our existing "hands-on" 1935 operating CRT display, where you can see inside the tube and move the display with a magnet, continues to be a popular exhibit with younger visitors. The new "hands-on" exhibits are:

- Wave demonstration exhibit where visitors can hear and see waveforms created by a synthesizer, microphone, or theremin, and understand how the sound varies by different waveforms. Everyone loves to try a theremin and ours is a homemade vintage vacuum tube instrument.
- Oscilloscope music exhibit where different images are drawn on the oscilloscope by displaying stereo recordings. Many are intricate geometric patterns but there are also waving mushrooms, butterflies, and a rocket ship.
- Oscilloscope Artist exhibit where visitors can manipulate nine controls and four switches to create static and moving geometric patterns.
- Tennis exhibit where two visitors can play table tennis on an oscilloscope (photo).



In May of this year Electronics Products Magazine selected the vintageTEK museum as one of the top 10 sites of electrical history to visit on your next road trip. We are quite proud of this national recognition. From the website:

"Just as Hewlett-Packard was the foundation of a technology hub in Palo Alto, Tektronix established Portland as a technology center. A smaller tech hub, to be sure, but Tek inspired as much affection in Oregon as the old HP did in California.

Two former Tek engineers opened VintageTEK in 2011. Currently housed in a former manufacturing facility on the Tektronix campus, VintageTEK tells the story of a company that did not invent oscilloscopes but became almost synonymous with the devices after introducing a series of innovative refinements over several decades.

Exhibits at VintageTEK include 'a vast number' of restored and operating Tek products, early photographs of the company and its employees, and training and demonstration historical films and videos. The non-profit operation hosts tours and demonstrations for local schools. It's open to visitors two days a week."

We exhibited a remote booth at the NW Electronics Design and Manufacturing Expo (NEDME) again this year. We get good attendance at this show and look forward to it every year. We also exhibited a remote booth for three separate Tektronix events and provided a dozen restored vintage instruments for an exhibit in Japan and Korea. These Tektronix remote booth events are always very rewarding. Older employees often have a story of their own to share regarding specific products or their development. Younger employees take an interest in the unfamiliar technology and the quality of design and manufacture. We often hear comments like "this was designed before I was born" and are always amazed at the number of photos and "selfies" taken with the products. People are amazed that 71 year old products designed with vacuum tubes still operate and displays a quality image.

One of our key initiatives this year was the fundraising and purchase of a microfiche scanner. We have been able to leverage our extensive microfiche collection and contribute to the overall Tektronix collector and restorer community. In all, since installing the scanner on June 31st, we have scanned and made publically available over 5,000 pages of information that was not previously available. These files are hosted on tekwiki.org and we share the news on Facebook "Old Tek Scopes" and TekScopes@groups.io. Each announcement always receives a number of "likes".

Our second key initiative was the launch of our lending library. Any student, 10 years or older, can check out a number of electronic instruments for their project or education. Adoption has been very slow. We've even experienced some pushback since the instruments, although recognized as some of the best in the industry, are not brand new. We need to find ways to better promote this unique program.

We had several meetings with local educational institutions regarding STEM programs but have not found a match so our efforts continue to be responding to requests. One such request was to assist Nick Brummond, a 12 year old boy, realize his ambition of building an oscilloscope. One of our volunteers met and mentored Nick nearly weekly for 5 months to complete the oscilloscope build. Tektronix is in the process of creating a short video documenting this effort for the upcoming Sales University and we hope to be able to make this video public afterwards.

We also provided an instrumentation education class for a local high school robotics club and toured many student groups looking for "hands-on" technology education and demonstration. One interesting note is these young students don't have knobs and buttons in their everyday lives and we have plenty of them. We always have to re-setup the display exhibits after they leave. We will sometimes dim the lights so they can

experience the warm glow of vacuum tube electronics and they always love the look of Nixie tube readouts. We are still seeking to find a volunteer to guide our STEM efforts.

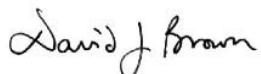
We continue to provide our classroom to other non-profit educational organizations for their needs. We hosted two Society of Information Display (SID) presentations open to the public and hosted the Northwest Vintage Radio Society (NWVRS) for five of their meetings.

We continue to expand our world-wide presence through our website and monthly email newsletter. Our newsletter goes to over 700 subscribers around the world. This year we have added over 133 new pages to the website and added content to hundreds of existing pages. We are increasing our preservation of Tektronix history and making it freely available to the public. Tektronix Legal has been very supportive in granting the museum releases for this vintage material.

Finally, to avoid the parking issue on 1st and 3rd Thursdays when RAMs is open, we moved our open weekday from Thursday to Friday which was our schedule at our previous location. The museum days and hours are Fridays from 10am to 6pm, Saturdays from 10am to 4pm, and on request.

Our kindest thanks to Tektronix for their generosity in hosting space for the vintageTEK museum. Your generosity enables our success. We did support 9 requests from Tektronix this year ranging from tours, historical research, and providing a vintage 503 oscilloscope to Testequity for their showcase in honor of a 45 year Tektronix relationship.

We look forward to even a better and brighter 2019.



David J. Brown
vintageTEK President