

TEK RETIREE NEWS

Tektronix
Retiree
Volunteer
Program



Web Page: www.tekretirees.org

A Newsletter for and by Tek Retirees

FEBRUARY 2012

Early Tek Guernsey

By: Roger Haight

Tek was growing rapidly in the late 1950's. Our marketing was growing and expanding into Europe. The new International Marketing group had been established and problems suggested that a Tek manufacturing facility should also be on site in that part of the world.

The island of Guernsey situated in the English Channel was selected as a place within the market we served that could provide the people, facilities and political climate that were needed.

Although an island, with a somewhat remote location, it had superb shipping and transportation facilities as a result of its tomato growing industry. There was an airport large enough to handle cargo, there were capable, resourceful people available and there was a building available. The island, because it was isolated, could be set up as a bonded warehouse, simplifying custom duties, inventory taxes and those sorts of problems and expenses.

Two people from Beaverton were selected to start up this new manufacturing facility; Earl Wantland from Staff Engineering and Dave Spinks from production assembly. Their first task was to set up a virtual plant here in Beaverton, a simulation of what they would do later when they arrived in Guernsey.

Earl and I shared adjacent benches in staff engineering. As he packed up his equipment and went out the door, asked if I would be available to answer any questions he might have "if there were any problems". Thus began my next very interesting 20 plus years at Tek.

While Earl and Dave were dealing with getting the plant set up in Guernsey...like where do you get quantities of soldering irons (they must be 220 volt of course). Then there were all of the benches, tools and other items. And there were people to hire and to train.

In Beaverton the Guernsey support group was set up to respond to their needs. We received their material allotment, packaged up the prepped kits, hardware and components in sort of a Heathkit configuration, and shipped them in the box

that they would deliver the finished instruments. We took care of component quality problems; modifications provided manuals and did what ever else they needed.

The Guernsey team soon established all of these resources themselves and set up their own material control. They received their material allotment just like the Beaverton plants, except it was delivered by Pan-Am instead of a green van.

Guernsey soon out grew the Victoria Avenue plant. They needed more space better suited for assembly. The new plant was built adjacent to the airport which provided lots of needed room. We kept the original building where they began producing Tek made components like transformers, capacitors and metal parts.

That was the start of Tek's International manufacturing activity. We continued to develop similar facilities in England, Holland, and the Sony Tek plants in Japan.

Guernsey Facts

A Channel Island

- Industries – Tourism, Tomatoes
- Guernsey means Green
- Official Language – English
- Was occupied by Germany during World War II
- Largest Town – St Peter Port Pop 42,000
- Climate similar to Western Oregon

Tek in Guernsey

- First Overseas Venture
- Tek moved into an unused Textile Plant Sept. 1958
- Tek had the biggest influence on Guernsey's Workforce
- More than 700 employees at peak.

More Information

- VitageTek has a Video on line
www.vintageetek.org
- Guernsey newspaper

My Winter Trip To Russia

By: Tom Luther

I travelled alone to Russia January 2 through January 18, 2012, and offer this report on part of that trip. I spent the first five days in St. Petersburg.

St. Petersburg is at latitude 60 degrees north, and at just over three hundred years old is a new city by European standards. It and Moscow are probably the most visited by tourists, but that doesn't mean that they are particularly geared to them. Somehow I always get the impression that Russia is a little slow in ramping up the tourist industry.

My trip planning began a few months ago, when my Russian friend Lena said yes, she would join me there. Lena had been my interpreter on two previous trips to Russia, and we had become good friends. She also had visited us in Portland a couple years ago. My wife died of cancer last July; even so, I could imagine her frowning on such a trip, and my spending so much time alone with this much younger and very attractive lady.

I chose the trip dates based on Lena's availability—Russians are generally still on holiday during the first week or so of January since their Orthodox religion celebrates Christmas on January 7. I flew to and from Moscow on frequent flyer miles, then on Aeroflot from Moscow to St. Petersburg where Lena met me. And it was a good thing too—I would have been very lost without help. Nothing is in English in Russia, and their Cyrillic alphabet gives no clues to words on signs like it might in other parts of Europe. I was also greeted by the Russian winter—freezing temperatures, with a dusting of snow making everything a fairyland.

Lena had arrived earlier and already found the hotel, which I had booked on the internet. It turned out to be a great bargain and great location, but my first impression had me wondering for awhile. We first encountered an iron gate across a narrow passageway leading to a dismal courtyard; typical of many Russian buildings in the area. The gate opened by card key, then

See Russia on page 2

TekWeek 40 Years Ago

Condensed by Gary Hoselton

Tek products on show

■41,000 attended the 10-day **Het show in Amsterdam**, where Tek Holland demonstrated the 500MHz 7904 oscilloscope and logged considerable interest in calculators, Telequipment products, and the 211 "pocket" scope which, contrary to expectation, did not disappear in a visitor's pocket. ■**Tek's Machine Control group** showed our 1791 program verifier and 1781 editor at the Automation Control Devices exhibition in Paris, with Gary Neher presenting a paper on "Numerical Control Graphics Without a Computer". They shared the Potter Instrument Company booth at the first annual CAD/CAM show in Atlanta, demonstrating our 1791 verifier and 4601 hard-copy unit in conjunction with Potter's coordinate measuring machines and tape preparation systems. ■Tek featured the new 485, the world's fastest portable scope with 350 MHz bandwidth at 5mV/div sensitivity, at the **IEEE show in New York City**, also featured the 7904 scope with 7A19 500-MHz vertical amplifier, 7D14 500-MHz counter and 7B92 sweep. Other products included the 4010 terminal with 4610 hard copy unit. Traffic was a disappointing 25,000, compared to 70,000 two years before, attributed to

slow economic recovery and proliferation of specialty shows.

Activities

■Eque-Tek (Tek employees horse club) sees movie "Down the Straightway" in Tech Center auditorium, also talk by horse trainer. ■Ski-Tek has outings to Mt. Ashland (coordinated by Bob Leith), Mt. Bachelor (Bob Ross), Grand Targhee WY (Millie Cantrall), and Crystal Mountain (Glenn Pelikan) ■Tek Employees' Coin Club elects Bill Lamb president and Doug Freeman sec/treas, and has a coin show/auction. ■Dick Wells teaches Tek Employees Bridge Club class in bridge basics. ■Tek Gun Club elects Bill Evers president, Gary Fisher VP, Pete Keller treasurer, and Glen Rise secretary.

Teks making things happen

■Tek's Electronics Post 876 of Explorer Scouts covered OSU tuition for former member from Japan who had lost his funding, and built a device for the Rehabilitation Institute of Oregon (RIO) which allows a quadriplegic to blow on a tube to type letters, turn light and TV on and off, and do many other tasks otherwise impossible. The post has 82 members; Lang Hedrick provides support, assisted by Bill Mark and 15 associate advisors. ■Tek Triangle, a Tek-sponsored Junior Achievement company, is displaying and selling their wooden brain-teaser called Irritation for \$1.50 in company cafeterias.

infamous political prison, and the Russian mint. Also, contains the Sts Peter and Paul Cathedral, where the remains of the last Russian Emperor, Nicholas II, and his family are interred.

- The Church of the Spilled Blood, built on the site of the assassination of Emperor Alexander II. A fantastic example of architecture and craftsmanship that took 24 years to build.

- The canals, which give the city the reputation of "the Venice of the North." Alas, too cold and wet for a romantic boat ride, although they were available.

- The battleship Aurora, whose cannon signaled the start of the Great October Revolution in 1917.

St. Petersburg was only the first chapter of my storybook Russian adventure. We then traveled by train to two other cities, Voronezh and Moscow, where I stayed with Russian friends. But those chapters are for another time. I recommend to you a fur hat, long winter coat, warm scarf and gloves, insulated boots, and a winter vacation in St. Petersburg.

Niagara Falls

by: Judy Watkins

In September, 2011 we spent two days visiting Niagara Falls on the Canadian side. We arrived late on a Friday and were delighted to learn that at 9:00 p.m. every Friday there is a huge fireworks display at the foot of the falls and we were able to enjoy the program from our 6th floor hotel room. Our hotel stay included a free bus pass that delivered us to the many Niagara Falls attractions. The town is small and easy to get around in.

Niagara Falls is an entertainment destination for all age groups and an entire vacation could be spent there without being bored. This was our first visit and we headed to Table Rock at the foot of Horseshoe Falls where the photo opportunities are endless. It is also the place to buy tickets for the many falls attractions.

The Maid of the Mist boat trip took us very close to the foot of both the U.S. and Canadian falls. The noise, power and beauty of the falls were almost too much to absorb. Next was a tour that took us through a tunnel to a place where we were standing behind a portion of the falls, followed by a presentation on the falls' creation, complete with special effects where the floor moved and rain fell with the sounds of earth moving (we wore rain coats). Part of the adventure ticket

Russia (cont)

we walked up the cobblestone passage to a small door, also card key operated, that led into the building. Lots of these steel security doors on Russian buildings. A very small sign announced the name of the hotel. Up a few steps, through the door, and up six more steps and we were at the elevator which actually took us to the hotel, occupying the sixth and seventh floors. I never did find out what was on the other floors, but it was probably flats where local people lived.

I had booked two single rooms; bath down the hall. They turned out to be very clean and comfortable, but sparse, and the bathrooms were clean as well. Due to a mix-up, Lena had a room with two single beds and her own bath, and I had a room with a double bed and no bath. At least they did not try to charge us extra for them. They were pre-paid at about \$52 per night, breakfast included, although breakfast was at another property down the street. And they were centrally located so we could walk everywhere, although there were frequent buses going every which direction.

The Hermitage is the centerpiece of the city's attractions, and is a museum of jaw-dropping splendor. No word description can begin to do justice to this palace of over 1000 rooms, all uniquely crafted and lavishly furnished with works of the finest artists. I learned over one million craftsmen worked on building the Hermitage, or Winter Palace, and that it is a museum second only to the Louvre in Paris. This being a holiday time, there was a long queue to get in; we stood with hundreds for over two hours in the gently falling snow (and freezing temperature) before reaching the entrance. But once inside, the crowds seemed to dissipate and we enjoyed our time there.

The Hermitage is only one of St. Petersburg's many attractions. There were also city tours available with English-speaking guides, of which we availed ourselves. Five days was barely time to scratch the surface of the many sights to be seen in the area. A few others we saw were:

- The Peter and Paul Fortress, which included the Russian Space Museum, an

Ackerman, Michael Delmer – d: 10-06-2011
Babbitt, Sonya – d: 07-30-11
 At Tek: 16 years
Bassindale, Russell – d: 09-10-2011
Blohm, Denise – d: 12-17-2011
 At Tek: 1956 to 09-1973
Binker, Cleo – d: 09-17-2011
Black, Adell Eloise – d: 10-29-2011
Bowman, Larry – d: 11-16-2011
Breeze, Florence C. – d: 09-04-2011
Carlson, Clayton – d: 10-28-2011
Cooper, Ernest – d: 11-09-2011
Corell, Ron – d: 11-14-2011
 At Tek: 29 years
Cummings, John – d: 09-11-2011
 At Tek: 23 years
Dallas, Mary Louise – d: 04-07-2011
Delorme, Rose – d: no date provided
Dettwiler, John – d: 11-23-2011
 At Tek: Over 30 years
Dixon, Sharon A. – d: 03-25-2011
Fehey, Eva – d: 10-02-2011
 At Tek: ~35 years
Foti, Camela – d: 12-22-2011
 At Tek: ~24 years
Frantz, Ida – d: 03-13-2011
Frazier, Harlan Rohm – d: 07-02-2011
Harris, Dorothy P. – d: 01-19-2012
Holden, Robert 'Bob' – d: 08-19-2011

Death Notices Nov., Dec., 2011 & Jan., 2012

Huisman, Gertrude – d: 08-14-2011
Hunt, Kenneth M. – d: 06-24-2011
 At Tek: 26 years
Kennedy, Gwen – d: 12-24-2011
Kraker, Willard – d: 06-23-2011
Landis, John Lowell – d: 10-01-2011
Lenzer, Clara – d: 09-25-2011
Livermore, Ralph – d: 11-19-2011
Loomis, Dale – d: 10-13-2011
Lucas, Keith Merrill – d: 05-23-2011
 At Tek: 32 years
Malena, Doris – d: 12-08-2011
Marshall, Frank W. – d: 01-18-2012
Muhney, Anna S. – d: 08-14-2011
Orchard, Kenneth Leon – d: 05-01-2011
Owen, Willard L. – d: 03-29-2011
Pilmer, Edward Collas – d: 03-26-2011
 Quan, Peter W. – d: 01-21-2012
Rosenzweig, Kenneth – d: 10-20-2011
Ruvo, Timothy William – d: 10-06-2011
Scott, Wanda – d: 06-26-2011
Schroeder, Vernon Lee – d: 07-25-2011
Spidal, Norman – d: 10-13-2011
 At Tek: 24 years
Van Hoomissen, Kevin Joseph – d: 05-20-2011

Thompson, Shirley Jean – d: 08-22-2011
Varner, Shirley – d: 07-03-2011
Wagner, Edward M. – d: 10-20-2011
Wilson, Clifford – d: 03-24-2011
Wollmuth, Lenora Brannon – d: 03-24-2011
Zander, Mary Ellen – 05-09-2011

Death Notices & Address Changes

We are no longer able to get death notices, length of service information from Tektronix data base.

We would appreciate any assistance retirees or members of their family can provide us. We have posted here the information we found in obituaries in the local newspapers and from family members or friends who have notified us.

We would appreciate it very much if you would leave us a message on our voice mail at the TRVP office (503-627-4056) or you may email us at:

tek-retirees@tektronix.com

The newspaper staff is only in the office on Wednesday's from 10:00 a.m. to 3:00 p.m. each week.

package included a walk along the river below the falls where the world's wildest rapids are found.

On Clifton Hill there is a huge and permanent amusement park with everything to do from indoor sky diving to indoor glow-in-the-dark golf. The possibilities are endless. We rode on the Sky Wheel, a huge Ferris wheel with enclosed cages that offered a breathtaking view of the falls. Adjoining the Sky Wheel was a miniature golf course with life-sized dinosaurs.

The butterfly conservatory was a must-see. Inside the building thousands of butterflies of every color, size and description flew through the many exotic flowers and plants. I felt like Alice in Wonderland walking through this magical place.

Niagara Falls has a 77 ft. Sky Tower, similar to the Space Needle in Seattle. The rotating top includes two dining rooms and indoor and outdoor viewing of the falls. Other attractions include the IMAX Theater, a huge water park and marine land and too many others to include.

Niagara Falls is a very special place and an experience that I will never forget.

TEK SPRING REUNION

Beaverton Elks Lodge
3500 SW 104th Ave
Beaverton, OR

Date: June 23, 2012
Time 1:00 p.m. to 4:00 p.m.

At this reunion we plan to discuss how to increase the attendance at these functions. Please come prepared to make suggestions. We encourage you to come and bring a friend or ex-colleague. More information will be available in the May issue. You may contact Marge Livermore at 503-646-3295

RETIREE BENEFIT INFORMATION & ADDRESS CHANGE PROCEDURE

Retiree Medical and/or Life Insurance

Anyone who is a past employee with Retiree Medical and/or Life Insurance will need to request information or make changes in writing to A & I. You must include your signature and Social Security Number.

Tektronix Post Employment Services
 A & I Benefit Plan Administrators, Inc.
 1220 SW Morrison St., Suite 300
 Portland, OR 97205-2222
 Phone: 503-222-7700
 Toll Free: 1-800-778-7956
 Fax: 503-228-0149

401k benefit

Anyone who has a 401k benefit must contact Fidelity for information or to change their address directly with them at:

1-800-835-5092

Cash Balance Plan

The Cash Balance Plan has been transferred to Danaher Pension Plan Processing Center with Hewitt. Questions or changes should be directed to:

1-800-580-7526

Tektronix Retiree Volunteer Program

If you need information or to make changes to your Tektronix Retiree Volunteer Program Newsletter address please notify us at:

Tektronix Retiree Volunteer Program

M/S 58-037

PO Box 500

Beaverton, OR 97077

Phone 503-627-4056

Email Address:

Tek-Retirees@Tektronix.com

Tek Retiree News

Editor: Louis Sowa Publisher: Peggy Jo Berg

TRVP Staff

Neil Robin • Judy Watkins • Millie Scott
Gary Hoselton • Ray Arnett • Betty Plummer
James Manuel • Jess Gard • Gerald Bonacker

Tek Retiree Newsletter is published quarterly by the Tektronix Retiree Volunteer Program. Send all correspondence to Tek Retiree News, M/S 58-037, PO Box 500, Beaverton, OR 97077.

Office Telephone: 503-627-4056

TRVP Email: tek-retirees@tektronix.com

Editors Cell Telephone: 503-320-0440

TRVP Web Page: www.tekretirees.org

Tektronix Retiree Volunteer Program
M/S 58-037, PO Box 500
Beaverton, OR 97077-0001

Editorial

by Louis Sowa

Tek Guernsey: I would like to see more articles or letters to the editor similar to the one on page one by Roger Haight. The Guernsey press did an extensive article about Tek on Guernsey in their Tuesday November 22, 2011 editions, see contact information on page one.

Database help needed: Ray Arnett has been doing a great job for us the past several years. Unfortunately he is having health problems that are limiting his ability to continue to provide this function. We are looking for someone with some exposure to the Microsoft Access Database. Experience with other databases may be substituted. If you think you may be interested let me know at LSowa@earthlink.net or 503-320-0440. Ray has done a good job of documenting his work and may be available to provide some assistance. It is a great way to use your knowledge and/or acquire new skills. Other opportunities with the TRVP are also possible.

We have TRN funding from Tektronix approved for another year. We currently do this yearly.

Volunteer Luncheon Info

Date: April 28, 2012

12:00 to 3:00

**Speaker: Monica Smiley
Tualitan River Keepers**

Additional information will be available in the invitation letter coming out in March.

55-ALIVE CLASS

March 22 & 23, 2012

8:00 a.m. to 12:00

Fee: \$12.00 AARP Members

\$14.00 Non-Members

Instructor: Bruce Hollister

Call to register:

503-805-8733

Read Your Tek-Retiree Newsletter On Line

A number of retirees are now reading their newsletter on our Web Site at:
www.tekretirees.org

If you would like to join them or change your email address send an email to Millie Scott at:
mlscott@easystreet.net

Calendar

Marconi's Cronies

Meet the 2nd Wednesday of each month
(except July and August):

12:00 p.m.

Tom's Restaurant

3871 SE Division Street

Portland, OR

Contact: Jack Riley for details

Phone: 503-235-5267

CRT Luncheons

3rd Tuesday of each month

(except June thru August)

at 11:30 a.m.

at the Home Town Buffet located at
13500 SW Pacific Highway in Tigard, OR

Contact: Jack Neff for details

1301 East Fulton St., Apt. 233

Newberg, OR 97132-1870

Phone: 503-554-7440

PCB Design Old Timer's Luncheon

Meet the 3rd Wednesday of each month.

Time: 12:00 p.m.

Where: Peppermill Restaurant

Farmington Mall

Corner of Farmington and Kinnaman Rd.

17455 SW Farmington Rd. #26B

Aloha, OR 97007

Web Page: www.geocities.com/pcbaldies/

All Previous Tek-Employees Luncheon

2nd Monday of each month.

Time: 11:30 a.m.

Where: Peppermill Restaurant

Farmington Mall

Corner of Farmington and Kinnaman Rd.

17455 SW Farmington Rd. #26B

Aloha, OR 97007

Contact: Annetta Spickelmier

503-649-2491

TEK RETIREE NEWS

Tektronix
Retiree
Volunteer
Program



Web Page: www.tekretirees.org

A Newsletter for and by Tek Retirees

MAY 2012

Guernsey Revisited

The decade of the mid-1950's through the mid-60's was a period of prime achievement and growth for Tektronix, as it was for many U.S. enterprises during the post World War II boom period. The Tektronix cathode ray oscilloscope had become the standard against which measurement technology and competing products was compared and evaluated. The Company's sales were growing at such a rate that instrument production was unable to keep up with demand. Customers were forced to wait for extended periods for delivery, sometimes exceeding one full year!

World-wide demand. Nearly 40% of the Company's sales were to customers outside the United States. International markets and trade barriers were changing dramatically. The European Economic Community (Common Market) was established in January, 1958. It was a huge success. Its founding nations were France, West Germany, Italy, The Netherlands, Belgium and Luxembourg. The EEC has since expanded and evolved into the European Union (EU) which created a central European bank and a common currency, the Euro. A similar and parallel economic community, the European Free Trade Association (EFTA) was founded in January, 1960 by Austria, Britain, Denmark, Norway, Portugal, Sweden and Switzerland. EFTA was also very successful. The combination of these two vast and growing markets presented a major opportunity for Tektronix, provided the Company could be competitive with manufacturers residing within these market areas.

Excellence of forethought. Fortunately the Company's top management – vice presidents Bob Davis (general manager) and 'Dal' Dallas (sales and marketing) were on top of the situation. They engaged a young and vibrant American expatriate, Al Hannmann, assigning him the task of establishing a European branch operation and finding potential locations for a European manufacturing operation. This turned out to be a stroke of genius. Hannmann discovered that the English Channel Island of Guernsey held several substantial advantages for a European manufacturing operation:

- Duty-free status plus UK Commonwealth status, hence parts and components could be imported, instruments produced and finished product shipped to customers throughout the EFTA duty free.
- More importantly, the European Common Market recognized Guernsey's duty free status enabling instruments produced there to be sold throughout the EEC duty free.
- Guernsey had excellent sea and air transport facilities for movement of raw materials inbound and finished product outbound.
- The island offered a substantial pool of available skilled labor.

This is a list of very good reasons to establish a manufacturing base on the island of Guernsey.

Preparation for start-up. Early in the fall of 1958 the Tektronix board of directors reached the decision to move ahead with the establishment of a manufacturing operation on Guernsey. Hannmann was to establish a Guernsey corporation and find a location appropriate for manufacturing precision electronic instruments. Coincidentally Bob Davis commenced searching within Tektronix for the best qualified candidates to establish and manage a manufacturing operation on Guernsey. He settled on Earl Wantland, a test and quality control supervisor in Tek.'s manufacturing operation to handle the production operation and Dave Spinks, also Tek. manufacturing, to handle personnel and human relations. Subsequently Wantland would move up through the management ranks of Tektronix, serving 20 years as president and chief executive officer.

Wantland and Spinks set up a simulated Guernsey manufacturing operation in the Company's Beaverton warehouse. They spent several months uncovering and working out solutions to the many problems involved with commencing and

operating a remote manufacturing operation. On the other side of the ocean, Hannmann was searching for a facility suitable for development into a high-tech manufacturing operation. Eventually he found the answer – the Victoria Avenue plant. It was an abandoned textile mill on the northern outskirts of St. Peter Port, Guernsey's capital and largest city. It was in horrible shape and required immense amounts of work to prepare it for its newly intended purposes. These efforts continued long after Wantland's and Spink's arrival on Guernsey.

Hannmann played a major role in the preparation and start-up of Guernsey operations. Aside from finding and arranging acquisition of the Victoria Avenue facility, and helping with its preparation for its new use, Hannmann spent countless hours seeking approval of the Royal Court for a foreign company to locate on Guernsey. He, also, undertook a curious public relations effort to convince the local population that the new Tektronix operation was not to be a facility for testing nuclear devices.

Start-up. Instrument production at the Guernsey plant commenced in a creative, yet very pragmatic manner. Until a work force of capable and adequately trained personnel could be established, oscilloscopes were completely assembled and tested in Beaverton, then disassembled into major components and shipped to Guernsey in the shipping cartons which would be used to ship the finished product. They were re-assembled and tested at Tek-Guernsey before shipment to customers through the Company's network of EFTA and EEC distributors. This process commenced in the spring of 1959 and continued for several months until components would be shipped to Guernsey in kit form, as was done within Beaverton's manufacturing plants. A major achievement.

Throughout this period Wantland personally tested or quality control inspected virtually all of the Guernsey plant output. Yet another example of the "roll your sleeves up and get the job done" attitude of the founders of the Guernsey operation.

Management/proprietary perspective. In summary, the Guernsey experiment worked out beautifully. It contributed to the Tektronix bottom line virtually from the beginning. Production output continued to rise until it became apparent that physical plant limitations had been reached and were being stretched. The Company then searched for and acquired property adjacent to the Guernsey airport where a modern manufacturing operation of adequate size could be established which would meet the combined demands of EFTA and EEC customers. The result was construction of the 40,000 sq. ft. single level LaVillaze plant which resembles the Company's buildings in the Howard Vollum Industrial Park in Beaverton. The Victoria Avenue plant was retained and converted to production of Tektronix made components such as transformers, capacitors and metal parts.

Production output continued to increase, reaching over \$8,000,000 in 1968 with a net income contribution to the Company's bottom line. At its peak, Tek-Guernsey employed approximately 700 people.

Employee perspective. The following information and quotations are taken from a November, 2011 article in the Guernsey Press, which was part of a series entitled "Look back – GREAT Guernsey Companies".

A past management level employee states "Tektronix made a tremendous difference to Guernsey. "It was the leader in an evolution in business relationships and how to run a company."

Guernsey people loved working for Tektronix. Twenty-two years after fundamental changes in the electronics industry and adverse competitive pressures forced Tektronix to shut-down the Guernsey operation ex-employees relate nothing but fondest memories.

They adapted very well to the Company's informal status free relationship between employees of differing levels of responsibility.

They responded very positively to the Tektronix world-wide profit sharing plan, as they did to the Company's merit pay system which rewarded individuals for outstanding performance.

They appreciated and took full advantage of Tektronix' policy encouraging people to learn new skills, hence broaden work opportunities.

They saw the Tektronix quality assurance program as second to none in the world.

On the lighter or fun side of things, they always looked forward to and participated

heavily in the Company's annual picnic on the neighboring island of Herm.

Fortunately economic conditions on Guernsey were healthy at the time of the plant shutdown, hence most staff members and factory workers were able to find work and relocate quickly.

Due to shortage of space the remainder of this article will be included in the August issue of the newsletter.

Hawaii 2012

by: Judy Watson

Our visit to Kauai, Hawaii in February, 2012 was our first time to that island. We found Kauai to be quieter and more laid-back than the other islands we had visited and there were no buildings taller than a palm tree. Kauai has 113 miles of shoreline and nearly half of it is beautiful white beaches. The island also has lush forests, rolling pastures and its own Grand Canyon, yet it remains almost pristine.

Upon arrival I noticed that colorful feral chickens wander freely everywhere. Visitors wake up and go to sleep by the sound of roosters crowing. Mother hens are followed by their brood of baby chicks as they wander across lawns and parking lots. The chickens have no natural predators on the island and they are protected by the government in public parks.

On this visit we stayed at the Lae Nani Condominium near Wailua, (Outrigger) just eight miles north of the airport. It has a beautiful setting with a private beach and swimming pool. From our window we watched in the early morning and evening hours as two people rode the waves for hours while standing on boards that were powered by banana-parachutes and the wind. The riders were very talented and a joy to watch. I would highly recommend Lae Nani for anybody visiting there.

Although we elected to spend much of our ten days in Kauai enjoying the sun and the ocean, we also spent time sightseeing and exploring of the island. Some of the places that we visited include:

- The Kilauea Point Lighthouse and Wildlife Refuge is well worth visiting. The light was turned off at the lighthouse in 1976 but the beautiful 1913 lighthouse remains a historical landmark that sets on a point where the steep cliffs plunge to the ocean. In 1985 the lighthouse and adjoining area became a National Wildlife Refuge and every day hundreds of birds come and go from the nooks and crannies of the refuge's cliffs and hillsides. This refuge ranks among the top five in the U.S. for annual visitors.

- Highway 560 heading North ends at Ke'e (Kay-ay) Beach, and although it is the most visited beach on Kauai, it has a very inadequate parking lot, and many, many tourists. The scenery along the route is beautiful but the road is windy and narrow with six one-lane bridges that are considered historical sites. The bridges have succeeded in holding off high-rise development and keeping the natural beauty on that part of the island. At the end of the road and near the beach is a very popular hiking trail where an estimated 700,000 visitors a year hike (I was not one of them). The Kalalau Trail is located on the western end of the beach and has an 11 mile hike, all uphill and not for wimps. It ends with breathtaking views and pristine beaches. This trail is the only access into the Na Pauli Coast State Park, but be warned, Backpacker Magazine lists this trail as one of the ten most dangerous hikes in America.

- Only a short distance from the end of the road are the two Ha'ena Wet Caves. The Waiakanoloa Wet Cave is next to the road on the left just before reaching Ke'e beach and although it is very interesting to see, it is filled with algae. The Waikapala'e Wet Cave is a short walk off the road and although posted "no swimming", some endure the cold to explore this cave. Both caves are filled with icy-cold water that comes from underground springs and feed into the ocean.

- The Wailua Falls is a tiered waterfall that drops 80 ft. and is located in the Wailua Marina State Park and close to the roadside on Highway 56 just outside Kapa'a. You might remember this falls from the opening scene of Fantasy Island.

- Wailua Marina Park is also the starting point for the boat tour to the Fern Grotto. A common question, "What is a grotto?" We learned a grotto is a cave. The daily tours include a boat ride to the grotto where Hawaiian's sing the Hawaiian Wedding Song and dance. The Fern Grotto (Manini-holo) is a lovely spot at the base of Mauna Kapu (Forbidden Mountain), that is draped in long Boston Sword Ferns that hang upside down from the roof of the 300 yards deep cave. The cave is known for its excellent acoustics and is a favorite place for weddings; more than 10,000 weddings have been performed there. At one time the cave was much larger but the 1957 tsunami filled part of the cave with sand.

- The Waimea Canyon and Koke'e State Park is also known as the Grand Canyon of the Pacific. The canyon is 10 miles long,

1 mile wide and ½ mile deep and covers 1,866 acres. It is a popular tourist attraction and the vivid rainbow colors are breathtaking. The drive to the canyon follows the coastline to Kakaha where road #552 branches off the main highway towards the mountain. It takes about half-an-hour on a very curly and narrow road to reach the parking lot and from there a person wonders what the excitement is all about. The viewpoint is only steps away yet the canyon is hidden from view. While we were there we enjoyed the remarkable view but within minutes the clouds or mist set in and the entire canyon was hidden from sight. The park offers many walking trails and a Natural History Museum. An added attraction is the Island of Nihau just a short distance to the west that can be clearly seen from the highway to the canyon.

- The Kauai Coffee Co. is Hawaii's largest coffee plantation and it is located on the island's Southwest side about 17 miles from the Lihua Airport. A visitor to the farm can enjoy a self-guided tour and in February and March see the trees in bloom. The fruit begins to form in May and is ready to pick in September and October. While visiting you can enjoy samples of more than a dozen flavors of coffee that are grown there. The beans used at Kauai Coffee are the same as those used for Kona Coffee on the Big Island. The difference comes from the volcanic soil on the Big Island and the fact that Kona Coffee is hand-picked at the peak of ripeness while Kauai Coffee is harvested by machine.

Kauai offers activities for everyone's tastes. There are many golf courses, zip-line tours, water activities, fishing, tours and so much more. There is more to do there than most people would have time for on one vacation and well worth taking the time to visit.

Volunteer Opportunities With TRVP

We would like to find someone to help with formatting the newsletter and following it through the printing process. We are using PageMaker, experience beneficial, or there is an opportunity to learn a publishing program. We, also, need someone to process paperwork for new cardkeys, Security auto ID, assistance with 55-Alive class scheduling and volunteer recognition projects., creating cards for our Pal's Program, Calling retiree's to obtain volunteer information and update our Pals Program, answer phone calls and emails. If you are interested in any part of the above we would like to talk to you.

Death Notices — FEB., MAR., & APR., 2012

Arnett, Ray – d: 04-02-2012
At Tek: 38 1/2 years
Belorme, Rose – d: 01-27-2012
Blohm, Denise – d: 12-17-2011
Bonham, Betty – d: 04-23-2012
Caffrey, Jack – d: 02-23-2012
Chandler, Claude – d: 09-24-2011
Chartrey, Francis 'Charlie' – d: 1-4-2012
Cooper, Gary C. – d: 04-18-2012
Cutler, Shirley – d: 12-12-2011
Evans, Delora – d: 01-13-2012
Elliott, Gene – d: 04-15-2011
Feetham, Sherwin (Sherm) C. – d: 2-07-2012
Floersch, Bernard P. – d: 08-18-2011
Harris, Dorothy P. – d: 01-19-2012
Hiatshwayo, Claude V. – d: 03-06-2012
King, Betty – d: 12-21-2011
At Tek: ~30 years
Lucas, Keith – d: 05-23-2011
Marshall, Frank W. – d: 01-18-2012
Merz, Josef Paul – d: 04-04-2012
At Tek ~30 years
McCormick, Alice – d: 07-02-2011
Moore, Carolyn – d: 02-07-2012
Neilson, Virginia – d: 12-17-2011
Noyes, Roger B. – d: 04-12-2012
At Tek: 27 years
Parker, Lillian – d: 01-02-1012
Pierce, Dwayne C. – d: 01-31-2012
Rempfer, Gertrude – d: 10-04-2011
Rohm, Frazier Harlan – d: 07-02-2011
Rose, Mildred – d: 02-20-2012
Schroeder, H. Jane – d: 1-15-2012

Smith, David R. – d: 05-16-2011
Smith, Virginia G. – d: 01-23-2012
Srebnik, Ed – d: 12-28-2011
Taylor, John C. – d: 01-28-2-012
Valley, Robert – d: 01-09-2012
At Tek ~ 22 years
Vandervert, Claude C. Jr. – d: 9-24-2011
Whitham, M. Audrey – d: 04-02-2012
Wilcox, Ivan – d: 02-22-2012

Death List Error Correction –The February TRN accidentally listed Camela Foti as deceased. It should have been Mary Lou Foti. Camela is alive and well. I am very sorry for the error..

Death Notices & Address Changes

We are no longer able to get death notices, length of service information from Tektronix data base.

We would appreciate any assistance retirees or members of their family can provide us. We have posted here the information we found in obituaries in the local newspapers and from family members or friends who have notified us.

We would appreciate it very much if you would leave us a message on our voice mail at the TRVP office (503-627-4056) or you may email us at: tek-retirees@tektronix.com

TEK SPRING REUNION

Beaverton Elks Lodge
3500 SW 104th Ave
Beaverton, OR

Date: June 23, 2012

Time: 1:00 p.m. to 4:00 p.m.

At this reunion we plan to discuss how to increase the attendance at these functions. Please come prepared to make suggestions. We encourage you to come and bring a friend or ex-co-worker.. More information will be available in the May issue. You may contact Marge Livermore at 503-646-3295

RETIREE BENEFIT INFORMATION & ADDRESS CHANGE PROCEDURE

Retiree Medical and/or Life Insurance

Anyone who is a past employee with Retiree Medical and/or Life Insurance will need to request informaton or make changes in writing to A & I. You must include your signature and Social Security Number.

Tektronix Post Employment Services
A & I Benefit Plan Administrators, Inc.
1220 SW Morrison St., Suite 300
Portland, OR 97205-2222
Phone: 503-222-7700
Toll Free: 1-800-778-7956
Fax: 503-228-0149

401k benefit

Anyone who has a 401k benefit must contact Fidelity for information or to change their address directly with them at:

1-800-835-5092

Cash Balance Plan

The Cash Balance Plan has been transferred to Danaher Pension Plan Processing Center with Hewitt. Questions or changes should be directed to:

1-800-580-7526

Tektronix Retiree Volunteer Program

If you need information or to make changes to your Tektronix Retiree Volunteer Program Newsletter address please notify us at:

Tektronix Retiree Volunteer Program
M/S 58-037
PO Box 500
Beaverton, OR 97077

Phone 503-627-4056

Email Address:

Tek-Retirees@Tektronix.com

Tek Retiree News

Editor: Louis Sowa Publisher: Peggy Jo Berg

TRVP Staff

Neil Robin • Judy Watkins • Millie Scott
Gary Hoselton • Peter Nelson • Betty Plummer
James Manuel • Jess Gard • Gerald Bonacker

Tek Retiree Newsletter is published quarterly by the Tektronix Retiree Volunteer Program. Send all correspondence to Tek Retiree News, M/S 58-037, PO Box 500, Beaverton, OR 97077.

Office Telephone: 503-627-4056

TRVP Email: tek-retirees@tektronix.com

Editors Cell Telephone: 503-320-0440

TRVP Web Page: www.tekretirees.org

Tektronix Retiree Volunteer Program
M/S 58-037, PO Box 500
Beaverton, OR 97077-0001

A volunteer can negotiate to do any of the above projects. Peggy would be happy to do either job. But, we currently have no backup person for emergencies or vacations. We need someone to help us, if you are interested. Louis and I are currently at Tek on Wednesday from 10:00 a.m. to 3:00 p.m. Other days/hours could be considered. If you are interested call: Peggy Berg at 503-627-3244 or Louis Sowa at 503-320-0440..

Editorial

by Louis Sowa

We are sad to report that Ray Arnett has passed away. He was the TRVP data base manager for eight or nine years. He had been fighting cancer for several years. Ray had done a great job for us. On a positive note Pete Nelson has joined our staff as the data base manager and is on a pretty steep learning curve but is doing very well. So we would like to welcome him.

Above in this newsletter is a request for help with the newsletter publishing and other tasks. We generally work one day per week from 10 to 3. If you are interested let us know and we will invite you in to determine how you may best fit in.

The Volunteer luncheon went well with the Tualatin Riverkeepers giving an interesting and informative presentation. Rob presented a lot of history of the Tualatin River Drainage that few if any of us knew. The video of Guernsey was well received. There are other videos on the Vintage Tek website that you may be interested in (search "vintage tek").. They have done a great job of accumulating instruments and data. There have been several suggestions on how to improve attendance. Some of these are not having it on a day of an Oregon or Oregon State game, an email reminder a day or two before the luncheon

(or a phone call), a notice/reminder on the John Gates mailing list. Pete Nelson did put it on the web the day before. If you have other suggestions we would be happy to hear from you. The email is:

tek-retirees@tektronix.com

or call 503-627-4056 and leave a message. You are also welcome to call me at 503-320-0440 where you have the best chance of getting a live person (me).

Read Your Tek-Retiree Newsletter On Line

A number of retirees are now reading their newsletter on our Web Site at:
www.tekretirees.org

If you would like to join them or change your email address send an email to Millie Scott at:
mlscott@easystreet.net

Calendar

Marconi's Cronies

Meet the 2nd Wednesday of each month
(except July and August):

12:00 p.m.

Tom's Restaurant
3871 SE Division Street
Portland, OR

Contact: Jack Riley for details
Phone: 503-235-5267

CRT Luncheons

3rd Tuesday of each month
(except June thru August)
at 11:30 a.m.
at the Home Town Buffet located at
13500 SW Pacific Highway in Tigard, OR

Contact: Jack Neff for details
1301 East Fulton St., Apt. 233
Newberg, OR 97132-1870
Phone: 503-554-7440

All Previous Tek-Employees Luncheon

2nd Monday of each month.
Time: 11:30 a.m.
Where: Peppermill Restaurant
Farmington Mall
Corner of Farmington and Kinnaman Rd.
17455 SW Farmington Rd. #26B
Aloha, OR 97007
Contact: Annetta Spickelmier
503-649-2491

TEK RETIREE NEWS

Tektronix
Retiree
Volunteer
Program



Web Page: www.tekretirees.org

A Newsletter for and by Tek Retirees

AUGUST 2012

A Philosophical Look at Guernsey (cont. from May issue)

A philosophical look at the Guernsey Success from twelve years into the second millenium. Many factors contributed to the success of Tek-Guernsey. Among them:

Management foresight. Someone was paying attention. In the late 1950's the Company's sales were increasing at an unexpected high rate, but sales to customers outside the United States, especially Europe, were increasing even faster. The Company's operational management, specifically Bob Davis, 'Dal' Dallas and an outsider, Al Hannmann could visualize the emerging gap in the Company's future ability to compete on a world-wide basis. Something needed to be done and they set about doing so.

A bit of pure luck. Al Hannmann, a free spirit and true maverick was engaged in 1959 by Tek management to set up a European operation. An American aviator in the Eighth Air Force in Europe during WWII, Hannmann had met and married a British woman with family roots on the Channel Island of Guernsey. Hannmann also had a burning desire to purchase an Austin Healey sports car duty free and Guernsey offered an opportunity to do so. While exploring these opportunities, Hannmann discovered and reported to Tektronix management the unusual opportunities Guernsey offered for manufacturing product with duty free preferences to both the European Common Market and the European Free Trade Association.

Picking winners. When seeking people to fill highly responsible and risk filled management positions most corporations of the day would either select someone within the company of proven ability and successful experience in similar situations or go to the outside to find someone with local knowledge, a proven track record and valuable local contacts. Not so with Tektronix. As had been done many times in the past and would be done many more times in the future, a high level management committee selected a young man, Earl Wantland, with no formal education beyond high school, no experience on foreign soil

and no management experience beyond quality control supervisor to establish the Tek-Guernsey manufacturing operation and lead it into the many unknowns of international business. Needless to say, this was a fine choice. Wantland performed very well as Tek-Guernsey manager and would grow and move on through many managerial challenges, eventually serving as the Company's chief executive officer.

The Car Radio

Car Tunes

Radios are so much a part of the driving experience, it seems like cars have always had them. But they didn't. Here's the story....

Sundown

One evening in 1929 two young men named William Lear and Elmer Wavering drove their girlfriends to a lookout point high above the Mississippi River town of Quincy, Illinois, to watch the sunset. It was a romantic night to be sure, but one of the women observed that it would be even nicer if they could listen to music in the car.

Lear and Wavering liked the idea. Both men had tinkered with radios – Lear had served as a radio operator in the U. S. Navy during World War I – and it wasn't long before they were taking apart a home radio and trying to get it to work in a car. But it wasn't as easy as it sounds: automobiles have ignition switches, generators, spark plugs, and other electrical equipment that generate noisy static interference, making it nearly impossible to listen to the radio when the engine was running.

Signing On

One by one, Lear and Wavering identified and eliminated each source of electrical interference. When they finally got their radio to work, they took it to a radio convention in Chicago. There they met Paul Galvin, owner of Galvin Manufacturing Corporation. He made a prod-

uct called a "battery eliminator" a device that allowed battery-powered radios to run on household AC current. But as more homes were wired for electricity, more radio manufacturers made AC-powered radios. Galvin needed a new product to manufacture. When he met Lear and Wavering at the radio convention, he found it. He believed that mass-produced, affordable car radios had the potential to become a huge business. Lear and Wavering set up shop in Galvin's factory, and when they perfected their first radio, they installed it in his Studebaker. Then Galvin went to a local banker to apply for a loan. Thinking it might sweeten the deal, he had, he had his men install a radio in the banker's Packard. Good idea, but it didn't work – half an hour after the installation, the banker's Packard caught on fire. (They didn't get the loan.) Galvin didn't give up. He drove his Studebaker nearly 800 miles to Atlantic City to show off the radio at the 1930 Radio Manufacturers Association convention. Too broke to afford a booth, he parked the car outside the convention hall and cranked up the radio so that passing conventioners could hear it. That idea worked – he got enough orders to put the radio into production.

What's In A Name

The first production model was called the 5T71. Galvin decided he needed to come up with something a little catchier. In those days many companies in the phonograph and radio businesses used the suffix "ola" for their names – Radiola, Columbiola, and Victrola were three of the biggest. Galvin decided to do the same thing, and since his radio was intended for use in a motor vehicle, he decided to call it the Motorola. But even with the name change, the radio still had problems:

* When Motorola went on sale in 1930, it cost about \$110 uninstalled, at a time when you could buy a brand-new car for \$650, and the country was sliding into the

(See *Whats In a Name* - Page 2)

TekWeek 40 Years Ago

Condensed by Gary Hoselton

News in the Tek world! **IStrikes challenge Tek:** West Coast longshoremen's strike causes Tek to ship containers to Japan thru Vancouver B.C. Canadian air traffic controllers strike reroutes shipments to Europe thru Fairbanks or New York. British coal miner's strike rations electricity to Tek facilities to three days per week, with candles and lanterns and heavy clothing the norm to continue production and sales. **ITek TV instruments abound at Sapporo, Japan, Winter Olympics:** each of 125 or more camera control units has a 528 or 529 waveform monitor, each of 20 mobile vans and 14 microwave trucks has at least one 529 waveform monitor and 520 vectorscope, central control in Sapporo has 20 Tek 520 and 529 combinations and the new 650 color monitors plus combinations for each of 40 videotape recorders which produce feeds to the world via the new Intelsat satellite. Two weeks later, live coverage of **President Nixon's historic trip to China** is transmitted from Peking, Shanghai and Hangchow via a Hughes Aircraft ground station to the Intelsat, which sends the U.S. feed to a ground station in Jamesburg,

California. Forty tons of television gear were shipped to China, but the mix of Tek products is not readily available. After several years of no hiring and even a layoff, a variety of clerical **jobs are now open**, with few takers. Also FE and Marketing Support jobs open, prefer current Tek employees. **INC gear in Model Shop** speeds up testing of engineers' designs, 10 times faster and eliminates 4000 hours per year of template making. The design is input to a teletypewriter, which punches a paper tape. The tape is loaded into a PDP-8I minicomputer, which displays the part on a Tek 611 graphic display, allowing corrections to be made. Then a machine tape is punched and loaded into a computerized punch press, which quickly creates the part, providing same-day turnaround. ITek Operations has replaced two IBM 360 computers with one 370, about 3 times faster at completing jobs. Four terminals are installed, a teletypewriter and three 4010's, which are available for engineering design and manufacturing scheduling jobs. The console typewriter is upgraded from a 15 characters per second electric typewriter to a *blazing* 87 cps wire matrix typewriter. Ken Knox, assistant treasurer, says recent **devaluation of the U.S. dollar** has improved Tek's competitive position in world markets. Tek reduced

prices overseas, and since most foreign currencies moved upwards, Tek is not getting less dollars for instruments. President Earl Wantland reports no adverse effects from devaluation. **ITek Canada's** leased 27' Winnebago motor home covered a 9000-mile circuit last summer and 12,000 miles in the fall, showing Tek products to several thousand "buying influences" from Halifax NS to Victoria BC, with many sales resulting. With all the talk of the **United States converting to the metric system**, Tek librarian Julie Kawabata has the National Bureau of Standards report "A Metric America: A Decision Whose Time Has Come" and other publications available for study. **New responsibilities:** Merna Faull named Retirement Trust administrator, remains Employee Benefits manager. Dean Butts appointed Sales manager for measurement products. Bill Pyle made Marketing Product manager for television, automated systems, sampling, spectrum analyzers, pulse generators, and SONY/Tek products. Calculator Products division moved from Sunnyvale CA to Beaverton, Hiro Moriyasu named Engineering manager, Bob Keys National Sales manager, and Ken Spooner Manufacturing manager. Stan Kouba appointed National Service manager for all Tek products.

What's in a Name (cont)

Great Depression. (By that measure, a radio for a new car would cost about \$3,000 today.) * In 1930 it took two men several days to put in a car radio – the dashboard had to be taken apart so that the receiver and a single speaker could be installed, and the ceiling had to be cut open to install the antenna. These early radios ran on their own batteries, not on the car battery, so holes had to be cut into the floorboard to accommodate them. The installation manual had eight complete diagrams and 28 pages of instructions

Hit The Road

Selling complicated car radios that cost 20 percent of the price of a brand-new car wouldn't have been easy in the best of times, let alone during the Great Depression – Galvin lost money in 1930 and struggled for a couple of years after that. But things picked up in 1933 when Ford began offering Motorolas pre-in-

stalled at the factory. In 1934 they got another boost when Galvin struck a deal with B. F. Goodrich tire company to sell and install them in its chain of tire stores. By then the price of the radio, installation included, had dropped to \$55. The Motorola car radio was off and running. (The name of the company would be officially changed from Galvin Manufacturing to "Motorola" in 1947.)

In the meantime, Galvin continued to develop new uses for car radios. In 1936, the same year that it introduced push-button tuning, it also introduced the Motorola Police Cruiser, a standard car radio that was factory preset to a single frequency to pick up police broadcasts. In 1940 he developed with the first handheld two-way radio – the Handie-Talkie – for the U. S. Army.

A lot of the communications technologies that we take for granted today were born in Motorola labs in the years that followed World War II. In 1947 they came out with the first television to sell under \$200. In

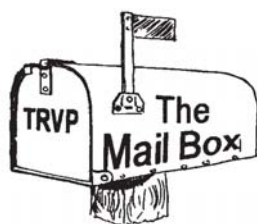
1956 the company introduced the world's first pager; in 1969 it supplied the radio and television equipment that was used to televise Neil Armstrong's first steps on the Moon. In 1973 it invented the world's first handheld cellular phone. Today Motorola is one of the second-largest cell phone manufacturer in the world. And it all started with the car radio.

What Ever Happened To:

The two men who installed the first radio in Paul Galvin's car, Elmer Wavering and William Lear, ended up taking very different paths in life. Wavering stayed with Motorola. In the 1950's he helped change the automobile experience again when he developed the first automotive alternator, replacing inefficient and unreliable generators. The invention led to such luxuries as power windows, power seats, and, eventually, air-conditioning.

Lear also continued inventing. He holds more than 150 patents. Remember eight-track tape players? Lear invented that. But

what he's really famous for are his contributions to the field of aviation. He invented radio direction finders for planes, aided in the invention of the autopilot, designed the first fully automatic aircraft landing system, and in 1963 introduced his most famous invention of all, the Lear Jet, the world's first mass-produced, affordable business jet. (Not bad for a fellow who dropped out of school after the eighth grade.)



Glenore Carrier: I was a bit under the weather after a fall in August which sent me to the hospital and rehab. Many thanks for the beautiful cards and get well wishes. I have recovered well and have moved to an Adult Care Home and would love to hear from you.

6248 SW Hamilton
Portland, OR 97221

Phone: 503-292-2729

Ruth Lungren Pasley: who worked as Administrative Secretary in Tektronix Retirement Trust for more than 20 years in the 1960s and 1970s, died in Forest Grove on June 7, 2012, at age 99. Ruth graduated from Beaverton High School in 1930 and from Oregon State Agricultural College in 1935. She was one of the oldest living graduates of OSU and was a member of the Oregon State Board of Directors in the 50s. Ruth was honored with the OSU Lifetime Achievement in Agriculture for her work in garden clubs and 4H.

Gathering of TekRetirees and Previous Tek Employees Beaverton Elks December 7, 2012

Additional Information will be included in the November TekRetiree Newsletter and on the Webpage: www.tekretirees.org

Please come, bring a friend and enjoy the opportunity to see many of your friends.

Death Notices MAY, JUNE, & JULY, 2012

Anderson, Rayond A. – d. 5-2-2012
At Tek: 34+ Years
Cornilles, Virginia – d. 03-09-2012
At Tek: 16 years
Ellis, John D. – d. 07-16-2010
At Tek: 7 years
Gilliam, Suzie – d. No Date Provided
Gottsch, James N. – d. 04-06-2012
At Tek: 46 years
Herd, William Thomas – d. 03-16-2012
Hiatschwayo, Claude – d. 03-08-2012
At Tek: ~25 years
Hill, Beverley Blanche – d. 06-24-2012
Karls, Ralph E. – d. 05-30-2012
Keim, Naomi Camille – d. 06-21-2012
Lulow, Mary – d. 05-29-2012
Marsh, Evelyn – d. 07-31-2012
At Tek: 25 years
Martin, James E. – d. 03-15-2012
McCracken, David -- d. 07-18-2012
Merz, Josef Paul – d. 04-04-2012
Meyer Jones, Hilda Margareta – d. 02-09-2012
Moratin Smith, Lorraine – d. 01-28-2012
Park, Michael – d. 07-24-2012
Schmit, Julia – d. 10-18-2011
Smith, Ildra – d. 02-28-2012

Sparks, Leonard – d. 03-08-2012
Van Cleef, Ronald Eugene – d. 07-19-2012
Vosh, Allen – d. 3-26-2012

Death Notices & Address Changes

We are no longer able to get death notices or length of service information from Tektronix data base.

We would appreciate any assistance retirees or members of their family can provide us. We have posted here the information we found in obituaries in the local newspapers and from family members or friends who have notified us.

We would appreciate it very much if you would leave us a message on our voice mail at the TRVP office (503-627-4056) or you may email us at: tek-retirees@tektronix.com

The newspaper staff is only in the office on Wednesday's from 10:00 a.m. to 3:00 p.m. each week.

Read Your Tek-Retiree Newsletter On Line

A number of retirees are now reading thier newsletter on our Web Site at: www.tekretirees.org

If you would like to join them or change your email address send an email to Millie Scott at: mlscott@easystreet.net

RETIREE BENEFIT INFORMATION & ADDRESS CHANGE PROCEDURE

Retiree Medical and/or Life Insurance

Anyone who is a past employee with Retiree Medical and/or Life Insurance will need to request informaton or make changes in writing to A & I. You must include your signature and Social Security Number.

Tektronix Post Employment Services
A & I Benefit Plan Administrators, Inc.
1220 SW Morrison St., Suite 300
Portland, OR 97205-2222
Phone: 503-222-7700
Toll Free: 1-800-778-7956
Fax: 503-228-0149

401k benefit

Anyone who has a 401k benefit must contact Fidelity for information or to change their address directly with them at:

1-800-835-5092

Cash Balance Plan

The Cash Balance Plan has been transterred to Danaher Pension Plan Proc-essing Center with Hewitt. Questions or changes should be directed to:

1-800-580-7526

Tektronix Retiree Volunteer Program

If you need information or to make changes to your Tektronix Retiree Volunteer Program Newsletter address please notify us at:

Tektronix Retiree Volunteer Program
M/S 58-037
PO Box 500
Beaverton, OR 97077

Phone 503-627-4056

Email Address:

Tek-Retirees@Tektronix.com

TekRetiree News

Editor: Louis Sowa Publisher: Peggy Jo Berg

TRVP Staff

Neil Robin • Judy Watkins • Millie Scott
Gary Hoselton • Peter Nelson • Betty Plummer
James Manuel • Jess Gard • Gerald Bonacker
Gordon Long • Paul Thompson

Tek Retiree Newsletter is published quarterly by the Tektronix Retiree Volunteer Program. Send all correspondence to Tek Retiree News, M/S 58-037, PO Box 500, Beaverton, OR 97077.

Office Telephone: 503-627-4056

TRVP Email: tek-retirees@tektronix.com

Editors Cell Telephone: 503-320-0440

TRVP Web Page: www.tekretirees.org

Editorial

by Louis Sowa

We at the TRVP are getting some new computers, which are very welcome. The old ones are getting painfully slow. We have received two new ones so far. They are not actually new, but much newer than the ones we have had.

We have some new people helping here at the TRVP. Pete Nelson has been with us for several months and is settling into the role of our database manager and also does some IT work. He has been working with Tek in procuring the newer computers. Paul Thompson has been helping with the editing function. Gordon Long has also joined us and may be of help with the publication of the newsletter. The Guernsey series should not be completed until the next issue. I hope many of you have enjoyed this series as much as I have. I had no connection to the Guernsey operation but think it is a very interesting bit of Tektronix history. Maybe we can delve into some more of the Tektronix history such as Heerenveen and Sony Tek in future issues.

We have not had an update about the Museum, however it is doing well. Museum hours: 9:00 a.m. to 5:00 p.m. on Friday and Saturday. Location: 4620A SW Beaverton-Hillsdale Hwy, Portland, OR 97221. If you have not been to visit you should if it possible, realizing many ex-Tek s do not live in the area. The museum is a great volunteer opportunity. If you have any old Tek instruments, manuals or other historic Tektronix items that you are willing to donate or might like to trade contact them. There are, also, items for sale. If you have not visited their website it is extremely well done and contains a great deal of information. Donations can be made via the webpage:

www.vintagetek.org.

Tektronix Retiree Volunteer Program
M/S 58-037, PO Box 500
Beaverton, OR 97077-0001

CALENDAR

Engineering Breakfast

Time: 7:00 a.m.

Village Inn – Beaverton

By-Monthly – Wednesday

TERAC

6:00 p.m.

Round Table -- Beaverton

Weekly on Friday

All Previous Tek-Employees Luncheon

2nd Monday of each month.

Time: 11:30 a.m.

Where: Peppermill Restaurant
Farmington Mall
Corner of Farmington and Kinnaman Rd.

17455 SW Farmington Rd. #26B
Aloha, OR 97007

Contact: Annetta Spickelmier
503-649-2491

Marconi's Cronies

Meet the 2nd Wednesday of each month
(except July and August):

12:00 p.m.

Tom's Restaurant

3871 SE Division Street

Portland, OR

Contact: Jack Riley for details

Phone: 503-235-5267

CRT Luncheons

3rd Tuesday of each month

(except June thru August)

at 11:30 a.m.

at Beaverton Izzy's

11900 SW Broadway, Beaverton Town Ctr.

Contact: Jack Neff for details

1301 East Fulton St., Apt. 233

Newberg, OR 97132-1870

Phone: 503-554-7440

.

TEK RETIREE NEWS

Tektronix
Retiree
Volunteer
Program



Web Page: www.tekretirees.org

A Newsletter for and by Tek Retirees

November 2012

Tektronix R7912 Programmable Transient Waveform Digitizer

By: Hale Farley

The following write up on the introduction of the R7912 Programmable Transient Waveform Digitizer was prepared by Hale R. Farley who worked at Tektronix from for several years. The R7912 and its replacements, the 7912AD and the 7912HB, appeared in Tektronix Products catalogs from 1975 to 1989.

This is a brief history of the development of a unique product from Tektronix. The market place had been requesting a method to capture single transient phenomena into a digital format for computer analysis. During the late 1960s a scientist from Tektronix Labs, Carlo Infante, proposed developing such a product. Infante wanted to use the oscilloscope deflection technique (3-gigahertz analog bandwidth similar to a 519 oscilloscope) to write a beam on a storage target and scan this storage target using a video scan. The result of this effort was a dual-gun scan converter whose output could either be a video display or a digital data stream representing the signal.

Once the dual-gun scan converter was a reality, John Gates, engineering manager, assigned Jim Cavoretto to form a group to complete the task of making an instrument. His group developed the electronic circuitry necessary to take the signal from the diode array storage target and process it into a signal, which could be displayed. Although the signal from the diode array storage target was small (about 9 nanoamps) it was sufficient to be amplified above the noise level of amplifiers. This led to an analog-to-digital flash converter of 512 bits vertically making a clock rate of 500 pico-seconds between samples successful. Thus a 5-nanosecond signal could be digitized into 512 elements, with a 500 pico-second interval.

In March 1973 Bob Hightower, a field engineer in the Albuquerque Field office, brought a prototype of the R7912 into Sandia National Laboratory where I (Hale) was doing laser fusion experiments under the direction of Dr. Gilbert L Cano. "We were using a mode-locked laser beam (a

sister to the laser from America Optics developed for lunar ranging test at NASA) to focus high energy into a deuterium foil and look at the energy released. This lab was in a warehouse, which did not have very good temperature control; thus it was difficult to keep the optics in good alignment. Using oscilloscopes like the 7904 and taking pictures of the trace was a very time consuming process thus only three or four events could be recorded in a day. We had recently purchased a large number of R7903s for this program. The raster scan display of the R7912 allowed me to keep the optics aligned in real time.

Hightower was asked to join a marketing group in Beaverton Oregon run by Bob LeBurn for transient recording and signal processing. Hightower invited me to interview in June and asked me to join his team in late July thus began my career at Tektronix. In August 1973 I became the "front man" for introducing the R7912 to the world. An electronic trade show (Northeast Electronic Show) was being held in New York City in late September. It was decided by Hightower and Leburn to show the R7912 at the trade show as well as the Nuclear Science Symposium a week later at the Sharon Palace Hotel in San Francisco, California.

Because of the upcoming events I needed to come up to speed in transient recording in less than six weeks. The show setup was to consist of a computer (DEC 11/23 with magnetic tape drive and magnetic memory), R7912, display (4010), video monitor, thermal printer (4610), and WDI Tek basic software. A laser was used as a light source for display purposes.

One of the first people who saw the show setup was President Howard Vollum. He asked several pointed questions, particularly about laser measurement and underground nuclear testing. The following week, in San Francisco, one of the people to view the setup was Walter LeCroy of LeCroy

Research. LeCroy Research had a solid state digitizer 20 points at 10 nanosecond interval. Upon seeing the R7912 Walter LeCroy realized the market for his digitizer would be limited. His hairless head turned red with anger!

Major markets for the R7912 were nuclear testing, EMP simulation, laser measurements, and fluorescence decay in chemical process in plants. The R7912 continued to be a leading edge product for more than 35 years. Production of the R7912 ceased when the diode array storage target was no longer made. Although about 40 years have passed, to my knowledge there is still not an instrument, which surpasses the dynamic range and digital resolution of the R7912. In my professional life there are no events, which surpass the excitement of the marketing assignment of introducing the R7912.

Mike Park – Feb 8, 1931- July 24, 2012

By: Pete Mackie

Mike was a VP of Manufacturing for at least two decades. He was the best boss I ever had bar none. I never heard a negative comment regarding Mike's management style or his directives by any subordinate employee.

Every month or two Mike liked to gather two, or sometimes three, levels of Manufacturing managers for a motivational talk. It was not the make you feel good motivational type stuff, but rather to let us know what Mike thought our current Manufacturing mission, goals, and priorities should be. Mike could easily give a 30 to 45 minute talk without notes and not ramble nor repeat his major points.

It was his speaking style that always enthralled me. Mike would start talking very slowly gradually building his speaking pace in a ten minute, or so, warm up of where he was going with his topics. Then it was Mike's rapid fire speech pace for 15, 20, or even 30 minutes, seldom, if ever, beating one point to death. Mike kept everyone awake and listening. Mike's rapid talking pace then slowed down to the close, getting more

(See 'Mike' on page 2)

TekWeek 40 Years Ago

Condensed by Gary Hoselton

Tek products on show! ● Tek debuted a number of new items in a 80-foot booth at the **WESCON show in Los Angeles**, including Telequipment DM 64; TM 500, TM 501, and TM 503; 211, 465, 475, and 485 portables, a number of 7000-series mainframes and plug-in units, and 613 with 4010 IDP products. More than 29,000 registered, including 4000 exhibitors representing 350 companies, and inquiries for demos are keeping the Orange and Van Nuys field offices busy. ● Interest was high at the Tektronix booth during the **International Machine Tool Show in Chicago**, with 700 firms exhibiting to 65,000 attendees. Tek showed 1700-series editors and controllers connected to machine tools in the Tek booth, and a number of systems were sold right out of the booth. Other exhibitors featured Tek controllers with their products. Interest was very high in the 211 scope as a maintenance aid for N/C machines, and five were actually sold out of the booth. ● Tek had a 900 square-foot display at the **Fall Joint Computer Conference in Anaheim, California**, showing the 4010, 4012, and 4013 terminals with 4610 hard-copy unit, 4911 reader/perforator, 4912 digital cassette unit and 613 storage monitor, and the 7623 transfer storage oscilloscope with 7A18 dual-trace amplifier, 7011 digital delay unit and 7D15 counter/timer.

News in the Tek world! ● Open Houses give families and friends a look at Tek products and facilities, and employees a chance to visit company areas they don't see during working hours.

More than 1200 attended the **Sunday open house in Beaverton**, with cafeterias offering refreshments and departments offering demonstrations and informal tours.

● 1183 attended the **Guernsey La Villiaze plant open house**, with visiting hours between 2:30 and 9 pm so both shifts could be seen. A lot of enthusiasm and effort went into the planning of the tour routes and "live" demonstrations, and by closing time the tour guides not only had tired legs and feet but sore throats as well.

● Tek's new J16 digital photometer/radiometer appeared in "living color" on the **front cover of Electronics magazine** November 6th issue. Light conditions, both indoors and out, can be measured on the spot with this lightweight battery-operated instrument.

● Tek products in Television: **Portland KGW-TV (Channel 8)** aired a Friday evening news program about Tektronix, narrated by news director Richard Ross sitting in the KGW-TV control room surrounded by Tektronix equipment. He told how the television industry relies on Tek, pointing to the 20 or so TV products in the room, then the camera moved to the Beaverton industrial park while he described some of the philosophy of Tektronix. He stressed the company's interest in the individual contribution of all employees and the pride each employee takes in the part they play in the finished product. ● For the summer games last August, the **Olympic Stadium in Munich, West Germany**, housed 50 videotape recorder installations. They consisted of an Ampex AVR-1 videotape recorder, surrounded by Tek 561 color picture, 528 waveform and 602 display monitors, 141A synchronizing generator, plus a Tek Holland 547/1A1 scope on cart. ● Education: **Proposed Rock Creek cam-**

pus was described by Dr. Amo DeBernardis, president of Portland Community College to Tek Managers' Council. The new 250-acre campus "will be built and operated along the lines of a shopping center", and will be open in about two years. ● The **Tektronix Education Program** has scheduled 92 classes for the new school year, many technical in nature and some of general interest. 40 Tek joined University of Portland's MBA program, eight admitted without a bachelor's degree. ● An **arctic blizzard** struck the Portland area in the early afternoon of Tuesday, December 12th, with temperature dropping to zero. An urgent announcement on the paging system advised concerned Tek's to head home immediately, and facilities assisted in starting 80 cars that afternoon. Maintenance personnel boarded up a couple of windows broken by the high winds, grounds people called in an outside contractor to help plow snow, and heating oil was consumed at the rate of 12,000 gallons per day. At the Sunset plant, Washington County Sheriff's reserve deputy Bill Kepler donned his insulated garb to untangle traffic problems on SW Barnes Road at the Tek/St. Vincent intersection; Bill is also a Tek working with Telequipment products and was given a Christmas gift certificate by fellow employees as thanks for his "traffic cop" help.

Activities

● Ceramics again held their annual wild game feed, separately for day and swing shifts. The potluck event features venison, smoked fish (samon, trout and ling cod), wild duck, elk, and caribou. The 50-foot table also held a variety of salads, casseroles, and desserts.

Mike (cont from page 1)

more lower key with a slower speech rate. Only then did one realize that Mike had made his points and was through. I have never experienced any other enterprise Manager, anywhere that could lay issues out so concise and direct, but never in a threatening tone, like Mike did.

There's another Tek significant story about Mike that I would guess that most

of you engineering folks are aware of. There was a major manufacturing plan for our "new gen" product line in that all 7000 series models would be built on assembly lines. Supported by Mike, there was almost a year long project to research, evaluate, and vendor qualify assembly line equipment and vendors. The deployment consisted of assembly line conveyers, line controllers, parts inventory workflow management, et al. Decisions were made and many equipment

purchase orders were released.

A portion of the individual assembly benches in the bottom of Bldg. 47 were removed to make room for the first arriving conveyer lines. The first two feasibility and mastery conveyer lines were unpacked and bolted together. The assembly conveyers were not yet wired in to any power or line controllers. We were well on our way though. Soon, one afternoon, Mike

came over to Bldg. 47 to have a first look at what our new way of assembling 7000 series product line was going to look like.

Mike paced up and down the conveyers for five, perhaps no more than ten, minutes. He paused for a minute or two. I sensed that he was really in deep thought. Then out came the words, "this is not the Tek way of assembling instruments, Let's take this equipment out and stay with individual assembly benches for the "new gen" product lines." There was absolutely no grumbling, anger, or frustration regarding Mike's decision by those managing this project. Because when Mike issued a directive everyone who worked under him knew it was typically the right thing to do.

Looking back, over the years, most Manufacturing managers continued to feel that Mike made a major on-the-fly decision, which was the right thing to do. Like being a creative design engineer, removing assembler's individual creative opportunities to build quality instruments would have been a devastating mark against our "Tek Spirit." Mike saw this before it was ever allowed to happen. No "lets have three, perhaps five, meetings to decide what to do now." Decision made, period—moves on with no further debate. Thank goodness! Sometimes, but always, this is the right way to move ahead. Of course, Mike knew this. Manufacturing had to get ready to assemble 7000 series instruments, without delay.

John Addis wrote:

I think I only met Mike Park once as he was a VP of Manufacturing and I was in Engineering. But there was some sort of philosophical discussion about what Tektronix was about or how it could be improved, and Mike Park was a major participant. Afterward he took several of us to the old wood-floor tavern, The Heidelberg, at Hocken and TV Highway and bought us all lunch. The memory is vague, but the impression I got was clear. Mike was one of the good guys!

Mike is mentioned in Winning With People: the First 40 Years of Tektronix by Marshall Lee on page 172 (column 1) as a TEKEY employee, on page 230 (column 2) as one of the rising stars at Tektronix, on page 270 (column 2) as a newly named VP of Manufacturing (December 23, 1966), on page 282 (column 2) as manufacturing support for the seven newly named product groups in 1971, and on page 289 (column 1) as Manufacturing VP.

Would you like to help save postage and read your TekRetiree Newsletter on our web page? Send your name, address, phone number and email to:

mlscott@easystreet.net

Aamot, Violeta Ramos – d. 8-13-2012
At Tek: 24 years

Arthagene, 'Jean' Rayma Mackaben – d. 1-1-2012

At Tek: 20 years

Brinkly, Darlene – d. 7-17-2012

At Tek: 34 years

Davenport, Emma L. – d. 6-24-2012

At Tek: 16 years

Dudek, Walter Ray – d. 1-25-2-12

Greco, Ray – d. 7-9-2012

At Tek 34 years

Haffner, Dorothy Pauline – d. 8-2-2012

At Tek: 22 years

Jones, Hilda Margar – d. 2-9-2012

Karls, Ralph – d. 5-30-2012

At Tek: 26 years

Karr, James – d. 8-20-2012

Krout, Henry – d. 11-17-2011

Larkins, Pat (Bill) – d. 8-18-2012

Leonhardt, Joseph – d. 10-7-2011

Luck, Irma – d. 3-2-2012

Neher, Gary – d. 4-28-2012

Peloquin, Mary – d. 7-11-2012

Schmidt, Faye Dean – d. 1-17-2012

Van Cleef, Roger Eugene – d. 7-19-2012

Walker, David Albert – d. 4-26-2012

At Tek: 20 years

Whitham, M. Audrey – d. 4-1-2012

Yesenofski, Joseph Stanley d. 10-23-2012

Death Notices

We are no longer able to get death notices or length of service information from Tektronix data base.

We would appreciate any assistance retirees or members of their family can provide us. We have posted here the information we found in obituaries in the local newspapers and from family members or friends who have notified us. We need a death date, and length of service if available.

We would appreciate it very much if you would leave us a message on our voice mail at the TRVP office (503-627-4056) or you may email us at:

tek-retirees@tektronix.com

The newsletter staff is only in the office on Wednesday's from 10:00 a.m. to 3:00 p.m. each week.

RETIREE BENEFIT INFORMATION & ADDRESS CHANGE PROCEDURE

Retiree Medical and/or Life

Anyone who is a past employee with Retiree Medical and/or Life Insurance will need to request information or make changes in writing to A & I. You must include your signature and Social Security Number.

Tektronix Post Employment Services
A & I Benefit Plan Administrators, Inc.
1220 SW Morrison St., Suite 300
Portland, OR 97205-2222
Toll Free 1-800-778-7956
Fax: 503-228-0149

401k Benefit

Anyone who has a 401k benefit must contact Fidelity for information or to change their address directly with them at:

1-800-835-5092

Cash Balance Plan

The Cash Balance Plan has been transferred to Danaher Pension Plan Processing Center with Hewitt. Questions or changes should be directed to:

1-800-7526

Tektronix Retiree Volunteer Program

If you need information or to make changes to your Tektronix Retiree Volunteer Program Newsletter address please notify us at:

Tektronix Retiree Volunteer Program
M/S 22-037
PO Box 500
Beaverton, OR 97077

Phone 503-627-4056

Email Address:

Tek-Retirees@Tektronix.com

READ YOUR TEK-RETIREE NEWSLETTER ONLINE

Millie will send you a notice when the newsletter is posted each quarter. If your email is changed or rejected for any reason you will receive one phone call to request an update. If you don't

respond we will return your newsletter to US mail. To preview the web page and previous issues of the newsletter go to:

www.tekretirees.org

TekRetiree News

Editor: Louis Sowa Publisher: Peggy Jo Berg

TRVP Staff

Neil Robin • Judy Watkins • Millie Scott
Gary Hoselton • Peter Nelson • Betty Plummer
James Manuel • Jess Gard • Gerald Bonacker
Gordon Long • Paul Thompson

Tek Retiree Newsletter is published quarterly by the Tektronix Retiree Volunteer Program. Send all correspondence to Tek Retiree News, M/S 22-037, PO Box 500, Beaverton, OR 97077.

Office Telephone: 503-627-4056

TRVP Email: tek-retirees@tektronix.com

Editors Cell Telephone: 503-320-0440

TRVP Web Page: www.tekretirees.org

Editorial

by Louis Sowa

We are almost settled into our new office space. For the most part it works well for us, not very fancy. There is no carpet, so have cement floors. Since all of us sit in one area with five work stations communication among ourselves is good. We have a storage area separate from our work area that also serves as a conference room.

The response to our request for information about Guernsey has been great. We still have one more piece, which should be in the next issue. I decided to run the R7912 this issue instead of the Guernsey article as a break. I really like getting articles from retirees about their experiences at Tek as well as their personal travel and other activities in retirement. Articles about organizations that you volunteer with that have not already been featured would also be most welcome.

I intended to have an update on the Tek museum, but with the move didn't get it done. I do expect to get an update from Ed for the next issue. If you haven't visited the museum do it now.

**Tek-Retiree Gathering at
Beaverton Elks
3500 SW 104th Avenue
Beaverton, OR
December 7, 2012**

Time: 1:30

Donations would be appreciated to help pay the space fee.

Please come, bring a friend and enjoy the opportunity to see many of your friends. and coworkers. Mark your calendar.

Tektronix Retiree Volunteer Program
M/S 22-037, PO Box 500
Beaverton, OR 97077-0001

newsletter newsletters are posted each
quart newslette is posted each quarter



TRVP Staff

Pete, Peggy, Paul, Millie, Jess, Jim, Louis

**Not shown are: Gordon Long, Neil Robin, Gary Hoseltonm,
Judy Watkins, Betty Plummer, & Jerry Bonacker**

CALENDAR

Engineering Breakfast

Time: 7:00 a.m.

Village Inn – Beaverton

By-Monthly – Wednesday

TERAC

6:00 p.m.

Round Table -- Beaverton

Weekly on Friday

All Previous Tek-Employees Luncheon

2nd Monday of each month.

Time: 11:30 a.m.

Where: Peppermill Restaurant

Farmington Mall

Corner of Farmington and Kinnaman
Rd.

17455 SW Farmington Rd. #26B
Aloha, OR 97007

Contact: Annetta Spickelmier
503-649-2491

Marconi's Cronies

Meet the 2nd Wednesday of each month
(except July and August):

12:00 p.m.

Tom's Restaurant

3871 SE Division Street

Portland, OR

Contact: Jack Riley for details

Phone: 503-235-5267

CRT Luncheons

3rd Tuesday of each month

(except June thru August)

at 11:30 a.m.

at Beaverton Izzy's

11900 SW Broadway, Beaverton Town
Ctr.

Contact: Jack Neff for details

1301 East Fulton St., Apt. 233

Newberg, OR 97132-1870

Phone: 503-554-7440