

TEK TALK



Volume 5 — Number 6-7

Employees' Publication of Tektronix Inc

June-July, 1958



The first world-wide trade fair ever held on the Pacific Coast will be a feature of the largest exposition to be held in the United States in 1959 when the Oregon Centennial Exposition and International Trade Fair is held June 10 to Sept. 17, 1959. This will be the largest fair held in the West since the San Francisco World's Fair of 1939.

The Centennial will celebrate Oregon's 100th year of statehood and the Commission hopes to bring Oregon visitors from all over the world to see our great wealth of water resources and land. Activities are planned to point up the extremely mild climate and unparalleled natural recreational wonderland. It is hoped that the Centennial Exposition will stimulate the growth of industry and population in Oregon and the Pacific Northwest.

A sixty-five acre Exposition Site, eight miles north of the City of Portland and adjacent to the point where U.S. Highway 99 crosses the beautiful Columbia River has been selected for the erection of a main exposition building that will put eleven acres under one roof—the largest single level exposition building in the United States. All phases of trade and industry, both foreign and domestic—special areas for basic industry, exhibits of lumber products, paper products, agriculture, electronics, power, fashions, food processing, light metals—will be represented in the exhibits at the trade fair.

The Oregon Centennial exposition and International Trade Fair is sponsored by the Oregon Centennial Commission, an official commission of the State of Oregon composed of nine members appointed by the Governor. Pre-opening expenses are provided by funds appropriated by the State Legislature.

Day Camp Program Offered

The young Men's Christian Association of Portland, Oregon has a Day Camp program that is the answer to many parent's summer-time child care problem.

Top caliber adult leadership has been selected to supervise the out-of-door living activities in which the children participate. Included in the program is swimming, crafts, camping, hiking, archery, nature study and games.

Boys and girls between the ages of 7 and 13 are eligible to join. Registration is by one week periods. The first camp started June 16 and the program will continue through until August 29. Each day begins at 8 a.m. and lasts until 4:00 or 5:00 o'clock. Campers may enroll for from one to eleven weeks.

Specific information may be obtained by calling Capitol 3-6161. A minimum fee of \$8.50 per week is charged. The fee includes insurance, milk and transportation.

U. F. O. ?



Gloria Hanna, Shop's answer to the chemise!, caught picking up a tray of refreshments for the gang. The balloon dress is meant to inflate the uh—ego I guess. (Suppose that was Gloria hovering over southwest Portland recently?)

Detroit Added To Field Offices

Suburban Lathrup Village near Detroit, Michigan is the location of one of our newest Field Offices. Announcement was made early in June.

Keith Williams, Ted Anderson, Les Hurlock and Edith Lodge man (pardon us, Edith) the new office. Keith came in from Cleveland. Ted from Chicago and Les left Portland only recently after spending some time in Field Training. Edith is a new Tek from the Detroit area.

The new office will serve much the same area that Keith covered from the Cleveland Office.

A candid shot was taken of Keith recently while he was at the plant in Portland.



Belated Snow Scene To Cool You



Jim Cook of Tek West Los Angeles reports on a visit to the transmitter of KERO-TV, 47 miles east of and 7,000 feet above Bakersfield. In some areas they waded through four to six feet of snow. Jim says the whole trip (47 miles) took about 6 hours.

Attention Field Trainees: This is highly unusual—floods are the more normal hazards of field work in West Los Angeles.

RULES

WESCON - 1958

ART IN ELECTRONICS EXHIBIT

AMBASSADOR HOTEL (REGENCY ROOM)
LOS ANGELES, CALIFORNIA • AUGUST 19-22

ELIGIBILITY

The contest is open to any employee (or member of his immediate family) of any company dealing in the manufacture, research or distribution of electronic products. Art in Electronics Committee members and their immediate families are permitted to enter, but are not eligible to receive prizes.

ENTRIES

All entries must be original. Only two entries per person in each category are permitted. All paintings and photographs should be suitably framed or matted and wired for hanging; all other items should also be appropriately prepared for display. All items should be carefully packed to insure against damage and shipped, prepaid to:

Magnavox Research Section
Brugger Fine Arts Forwarding Service
2110 West 20th Street (Just West of Western)
Los Angeles 18, California
Telephone: REpublic 4-4953 or 4-2121

not later than August 5, 1958. Entries may be delivered in person.

Entries should be made of component parts normally associated with the research and manufacture of electronic equipment, or have a design theme identified with electronics. They must fit into one of the following categories:

1. Paintings*
2. Crafts
3. Sculpture
4. Photographs

*Maximum size - 50 inches in width or length

In addition, artists and hobbyists employed in the electronics industry may submit entries which do not have an electronics theme. However, proof of active employment with an electronics manufacturer is necessary.

One entry blank must be submitted with each entry; it will specify that the materials used are not "classified" and are used with the permission of the company for which the employee works.

INSURANCE AND LIABILITY

Insurance, if desired, must be arranged by the exhibitor. Works will be handled with utmost care; however, WESCON, its officers, agents or representatives shall not be liable to any claim for loss, theft or damage of any kind whatsoever to any exhibit or frames during transportation, handling, or exhibition.

PURCHASE OF ENTRIES

All entries are to be offered for sale on a bid basis. The proceeds from the sale of all items will go to the Scholarship Fund of the West Coast Electronic Manufacturers Association. However, contestants may recover their costs if so desired. Entrants may set a minimum price for their work. This price will be subject to review by the committee and adjustment recommended if considered necessary. Bidding will begin with this minimum price, and, if the item is sold, the entrant will receive this amount back from WESCON, the balance going to the WCEMA Scholarship Fund.

RETURN OF ENTRIES

After the close of the show all entries which have not been sold will be returned to Brugger. Entrants may pick up their work from Brugger or make arrangements to have their work handled by Brugger and returned to them. There will be a small fee for packing and the prepaid charge for shipping. Entrants will be notified if their work has been returned to Brugger.

JUDGING

A pre-selection committee will determine categories in doubtful cases. The awards will be made by public ballot and all selections will be final. All awards will be announced at the "All Industry Luncheon" to be held in the Coconut Grove at the Ambassador Hotel on August 22, 1958 and winners will be notified by mail.

PRIZES

In each category (painting, crafts, sculpture, photographs) there will be two prizes. They are as follows:

- First Prize: Trip to Las Vegas for two people, staying at the fabulous Sands Hotel for three days and two nights (week days only—Monday through Friday) with room and meals provided, plus \$50 to cover a portion of the transportation and other expenses.
- Second Prize: \$50 cash.

Employees Have Opportunity To Enter "Art In Electronics" Contest

A program designed to increase general industry interest in the annual WESCON show was announced earlier this year on the bulletin boards in the plant. "Art in Electronics" is the theme of an exhibit that will be a featured attraction at the WESCON show this year in Los Angeles.

Some of our group are already working on their entries for the exhibit and it is hoped that many more will submit something for display at the show. Official rules of the contest are reproduced here and official entry blanks may be obtained through Tom Williams by calling Extension 215 at the Sunset Plant.

There are four categories of art listed into which entries will be classified. Component parts normally associated with the research and manufacture of electronic equipment or a design theme identified with electronics must be used. In addition, artists and hobbyists employed in the electronics industry may submit entries which do not have an electronics theme. However, proof of active employment with an electronics manufacturer is necessary in this case. The contest is generally open to any employee or member of his immediate family.

There are two prizes in each of the four categories of Paintings, Sculpture, Crafts, and Photographs. The first prize is a trip to Las Vegas for two people, staying at the fabulous Sands Hotel for three days and two nights (not a weekend!) with room and meals provided plus \$50 to cover a portion of the transportation and other expenses while you are there. The second prize is \$50 in cash. Win or lose it sounds like a terrific idea to put expressive minds and hands to work developing an artistic treatment of some of the many things that goes into the manufacture of electronic equipment.

PAT'S ACRES RESERVED AUGUST 9th FOR PICNIC

The Recreation Committee has plans well underway to make the 1958 Employee's Picnic a bang-up affair. With the assistance of volunteers from the Group Representatives and other individuals that offer their talents each year to make the picnic a success it appears that a lot of fun and good fellowship is in store for the families that mark the August date on their calendar as **TEK PICNIC DAY**.

Early in the year **PAT'S ACRES** was selected as the site for the 1958 picnic. This spot is located a little southwest of Canby, Oregon. You reach it by travelling south on 99E through Oregon City from the East side of the river or via the Salem Freeway and the Wilsonville Ferry from the Southwest areas. More information and a sketch-map will be made available closer to the picnic date.

A saving in catering costs is planned this year because of the deci-

sion on the part of employees to bring their own food on a pot-luck basis either individually or by groups. Better and more numerous prizes may be placed on the program as a direct result of the saving on catering costs. Ice cream, soda pop, milk and coffee will be available as usual.

A special feature attraction has been booked by the Recreation Committee to add to the frivolity of the occasion. **DONKEY BASEBALL** will fill the afternoon with laughs and perhaps uncover some unknown talents.

Children's games are scheduled to start at 10:00 A.M. with the Adult's Games to come later in the day.

Everyone interested in helping with the program is requested to get in touch with his Group Representative or the Recreation Committee.

Tek Talk

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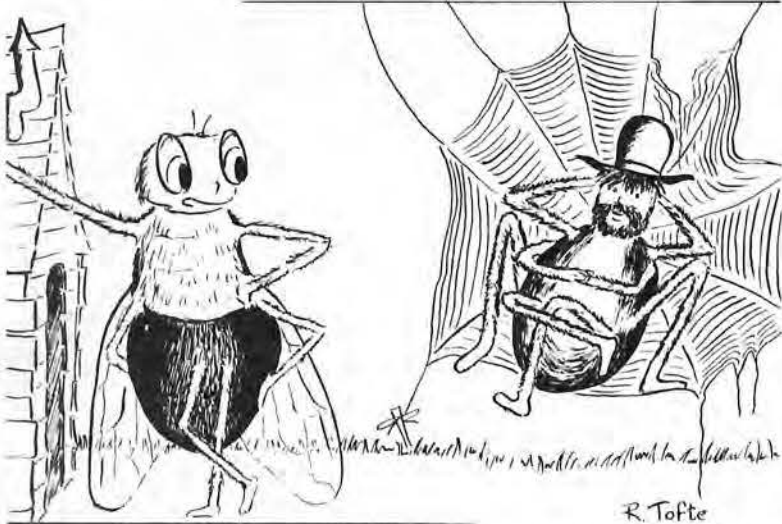
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 Keglers Korner — Don Pratt

Departments are asked to notify the Editor if Reporters named are not currently correct.

To A Group "Rep" ...

If you can lead your group in fair discussion
 And listen to suggestions, gripes, and groans.
 And give each one a chance to state his feelings,
 Not swaying their opinions by your own.
 If you will purchase cards to send to sick folks
 Not too expensive, yet not priced too cheap,
 If you can call them up and chat a while
 And choose a time when they are not asleep.
 If you can order gifts for brides and babies
 In subtle ways find out whats needed most
 And help the group plan pot-luck meals, and parties
 Or mountain climbs, or picnics at the coast.
 If you'll deliver Scope-scoops, minutes, ballots.
 Be "Big Sister" to the new girls in the place,
 And keep your photo album out where all can use it
 To help us know what name goes with what face.
 If you can still stay at your bench—and work some
 And help keep up production—more or less
 We hope you'll not think being "Rep." is irksome
 What's more we know you'll be a real success.

To thee spidur sed thee flie



This delightful bit of whimsy was written by Fred W. Lindsay, publisher of the Quesnel, British Columbia Quesnel Advertiser and author of the paper's "Town Plug" column, and is reprinted with his kind permission.

"Letus bild a brand nu hiwaie to thee spidur sed thee flie.
 Letus bild it rite past yure howess, let it pass mie howess bie.
 Holee moses sed thee spidur that's anawful thing tu saie.
 Let thee hiwaie goe past yure howess an leave mie cobwebs laie.
 I have spent a mitey forchune spinnin webs and wurkin backy;
 Let thee hiwaie levee mie howess alone an go thru yur hardyarrud.
 O thei raized a grate kommoshun and thee noyes wuz hurd afar,
 And the spidur rote a lettur tu the lokul Kommissar—Sayin',
 'Sur, it kums tu mie errs that mie nybor Mistur flie,
 Is connivin for a rodevaie that will pass his home rite bie.
 It is now mie understandin that this feeble minded jerk
 Is triein hard tu get this rode, but I tel yu it won't wurk'...
 Soe thei held a mitey meetin, all thee bugs an bees wur thair
 And thei tokked for menny howurs and diskussed the mattur thair.
 Thei dru maps an rote deskripshuns showin whair it shud goe thru
 And wound up feelin happie kus it went past bruthur Shrew.
 Bruthur Shrew wuz kwite unhappie wen he hurd thair wise komments
 An he straitwaie rote a lettur to the hi chief Kommodant—Sayin',
 'I wuz oute on bizness wen this mattur wuz diskust
 An if thei bild this doggone rode mie hole dam nest will bust.
 I hav spent a mitey forchune, raised ten familees mowur or less,
 O thee fomentations boiled an thee bugs an bees an ants
 Kust thee flies an oll thee spidurs and thair kugins an thair aunts.
 Soe thee rode reemained unbilded, everbudees happi now,
 An thei use a trale wunst wuz maid bie a hurrypuce cow."

Tek Talk Combines Two Issues

This issue of Tek Talk contains copy that would normally have been released in separate issues. However, the monthly schedule that has been kept over the past year has gradually slipped enough days to make our deadlines too far from publication date. To get back in step we are combining the two issues.

The deadline for articles for the August issue will be August 1, and we will try for printing on August 15.

SPEAKING OF HOMEMAKING -

Working Wives Much is said today about the "working wife", for over a third of the nation's homemakers are wage earners. In the past eight years the number of married women holding jobs has risen 50%. And, right now, nearly one in three of the married women who work have children under eighteen. Nearly one in six of the wage-earning wives have children under six. This all means that those who "work" and those who do not "work" have probably asked "Should I?" and "Does it pay?". Should I? A first point to consider is that while the employed married woman has been dubbed a "working wife" the term is a misnomer. In other words, it infers that the homemaker who isn't a wage earner doesn't work.

A homemaker's contribution within the home can be great if she has the skills, interests, and desire to make home efforts pay. She can develop the know-how she needs. Home efforts as well as wage earning mean work, but to many homemakers the home effort can be productive and satisfying both to self and family. All "work" is not done outside the home.

When trying to decide whether to take on an outside job, the real questions boil down to these:

1. Can you take it?
2. Does your husband go along with the idea, and will he pitch in if needed?
3. Will the youngsters be cared for properly?
4. Is it worth it?
5. Can you quit the job if it does not fit in with the home situation, or will you be stuck with it?

Will a Job Outside the Home Pay?

1. Estimate your added expense per week—for example, \$40. These are the added costs to your family budget because you are working.
2. Figure your state and federal income tax bracket—by percentage. For example, if your husband is now in the 22% bracket, your state deduction is 8%. If so, you cannot figure on 30% of each dollar you earn.
3. Subtract the combined percentages from 100. This gives you the amount you can keep from each dollar earned. In this example .30 from 100 leaves .70.
4. Divide the expenses estimated per week by the amount of each dollar you can keep. In our example, this would be \$40.00 divided by .70 or \$57.14. This amount is the net take-home pay you must make per week to break even. Since there may be other items withheld by your employer, be sure to compare this figure with the take-home pay—not stated wage.
5. In addition, if you and your husband jointly earn less than \$5100, you may be able to deduct up to \$600 on your federal tax return for child care expense, if the child is under 12. The federal income tax instruction sheets provide further details on this.

4th OF JULY... Birthday Of Their "Chosen" Land

A casual mention has been made from friend to friend as some of our fellow employees gained their citizenship rights in the good old USA. We know that many in our Tektronix family were not born in the United States and many are not now citizens. It is not our intention in writing this article to remind the 'citizens to be' of what a good decision he has made. Rather, we would like to remind the majority of employees that 'falling into' citizenship by birth has robbed us perhaps of the magic we see when others 'choose' their country and learn of the heritage of American citizenship as adults after experiencing life under different circumstances in other lands.

Ed. Note: (We stepped back a few months to include, if possible, all recent citizenship awards. Our reporters may not have been fully informed, we hope we have not missed anyone, and we'd like to hear as others of our group take citizenship.)



Andy Briggs, a new employee of Tektronix is working in our Plastics Department. He and his wife, Ivy, received their citizenship on March 12, 1958. Andy was born in Montreal; his wife in Newfoundland. They have been in the U.S. for six years and received their citizenship after taking a special course that lasted four and a half months. They say their 12 year old boy will become a citizen automatically but are taking special precautions that the paper work established the fact will be properly recorded.



Lothar Frenkel in our Engineering Division left Austria in 1939, during World War II, for England. In 1945, he returned to Germany where he acted as interpreter for the American State Department at the War Crimes trials. He returned to England in 1948 and in 1952 came to America to live in the East. Later on he migrated to San Diego and then to Portland and Tektronix. Lothar became a citizen in March 1958.



Aleksandra Husca Glaze is a recent addition to the Tek family in the Capacitor Dept. She arrived in the States in October of 1949. This year saw some rapid changes in Aleksandra's individual status. She graduated from Hillsboro High on May 28th, got married on June 7,

received her citizenship on June 13 and started work here on June 16. At this rate she should have more to add to her story soon!



Barbara and Gerd Schwerin are prepared to raise their hands on September 14th when the ceremony will be held that will make them officially citizens of the United States. The Schwerins are natives of Germany. Barbara works in our Cathode-Ray Tube Department and husband Gerd is a familiar figure in the Beaverton Plant where he heads up the supporting groups for instrument manufacturing.



Ray and Vilma Leeto are a Tek twosome. Ray was feted recently by the boys in Finals when he received his papers. Vilma received her U.S. citizenship at the same time. They were natives of Estonia before coming to the United States. Vilma works in the CRT Department.

Vilma and Ray Leeto sailed into New York's harbor on Jan. 21, 1950. They remember the Statue of Liberty looking down on them and giving them hope. When you question Vilma about her chosen land, she answers very firmly, "America is the most wonderful country in the whole, wide world." Their sponsors lived on the west coast and so they migrated here. Vilma has been an employee of Tektronix five years and eleven months. Her work now is preparing the cathode for the electron gun assembly in our Cathode-Ray Tube.

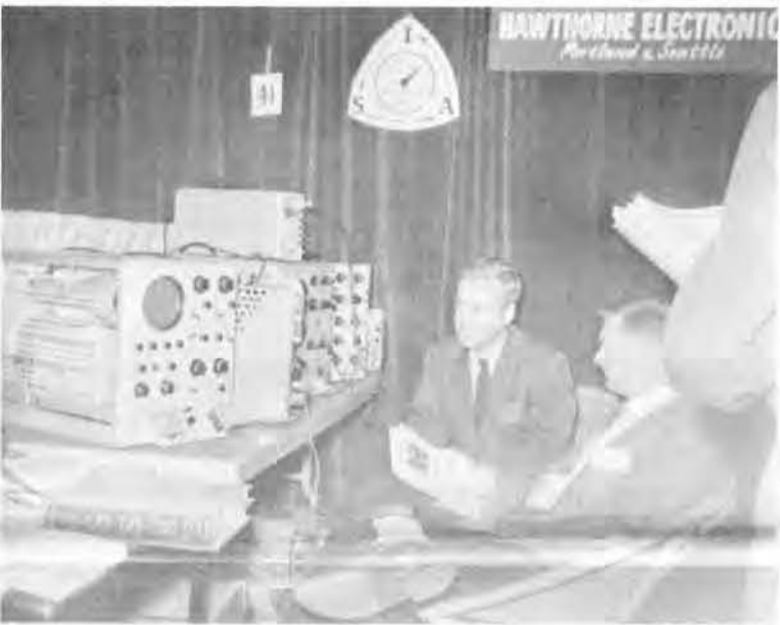


Don Kepler, our Personnel Director, had an interesting round of citizenship completed early last year when he received his U.S. citizenship for the second time. Don was born to U.S. citizens in Ohio and was taken to Canada by his parents at the age of 8. Don's naturalization as a Canadian came later on after his family returned to U.S. while he stayed on because of romantic and business entanglements. You could not have a pilot's or ham radio license without being a Canadian citizen, so Don was naturalized and stayed a Canadian until 1953 when he moved back to Portland. He immediately filed for his papers and received his citizenship in 1957. His children, born before Don became a Canadian, entered the states prior to their 16th birthday qualified automatically for U.S. citizenship.

ISA Show Here Displays Tek 'Scopes



The Tektronix Booth. Many of the 1,000 visitors registered during the two day show were Tek employees who found the display conveniently located close to the entrance. Pat Boyeas and Ruth Haugsten scouted the other displays and 'lifted' a few bits of pertinent information furnished by other electronic manufacturers.



Hawthorne Electronics, northwest engineering representatives for Tektronix instruments, also featured some of our oscilloscopes in their booth. "Comp" Compton is shown putting over a point to an interested visitor.

Field Visit To Hanford



Comp Compton, Hawthorne Electronics; Chuck Miller, John Adams and Tony Bryan from Field Engineering and an interested group of Fuels Preparation Department members of General Electric's Hanford Atomic Products Operation. The Field Engineers and Comp Compton were at General Electric to conduct classes as part of a program offered to FPD Instrument craft members. (Photo by GE News)

Satellite Research Calls For Precision Measurement

Earl Williams, Field Engineer out of our Chicago office, calls on the University of Wisconsin Instrument Laboratories. Late last year he serviced their 535, S/N 804 and 53C, S/N 1355 both of which were in need of some expert attention.

Professor Suomi of the University's Meteorology Department had been using the 535, S/N 804 in his work on a miniature tape recorder for a satellite which was scheduled for either mortality or oblivion in the near future—depending on the whims of the launching rocket. Dr. Suomi showed Earl the miniaturized binary scalars built for the sat-

ellite and used to digitize and code temperature and other data which then recorded on the tape recorder. Temperature is digitized by use of a blocking oscillator, the frequency of which is controlled by thermistors in black and white 1" diameter balls on ends of the satellite's antenna. The recorder, no larger than a man's fist, uses metal tape to record data when the satellite is out of range of receivers. The recorder plays back this data into a transmitter when interrogated by ground stations as satellite passes over picket lines in U.S. where radio reception conditions are favorable.

A rare opportunity was afforded the employees at Tektronix during Portland's 50th Anniversary Rose Festival Week. An instrument display was set up in two booths at the Instrument Society of America's Pacific Northwest Instrument show held in the basement of the Civic Auditorium on June 12 and 13.

The booths were manned by our Field Engineer Trainees both days from 1:00 P.M. until 10:00 P.M. Instruments now in production on display were the Types 575, 536, 551, 310 and 545. New instrumentation from Tektronix forecast by the display was the Type 140 and 150 series described as **Modular Electronic Instrumentation**. These units are of modular design intended to fit the needs of investigators in the biological and physical sciences. In all, thirteen of these modules are listed on the sheet of Tentative Specifications made available to visitors to the booth. An impressive list of possible users include the electrophysiologist, neurologist, biophysicist, cellular physiologist, servo mechanist and the investigator of low-frequency phenomena.

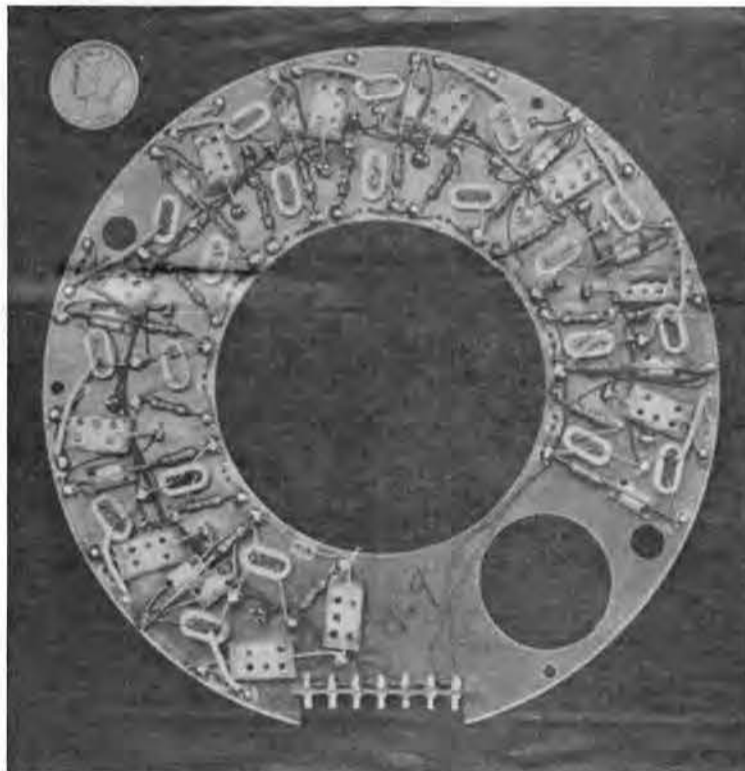
Teks manning the booths were: Fred Lenczynski, Owen Harrison, Dan Guy, Dick Sylvester, Tony Bryan, Geoff Gass, John Adams, Dave Hoeffler and Vic Fricke.

First Simulated Space Trip Aided By Tektronix Oscilloscope

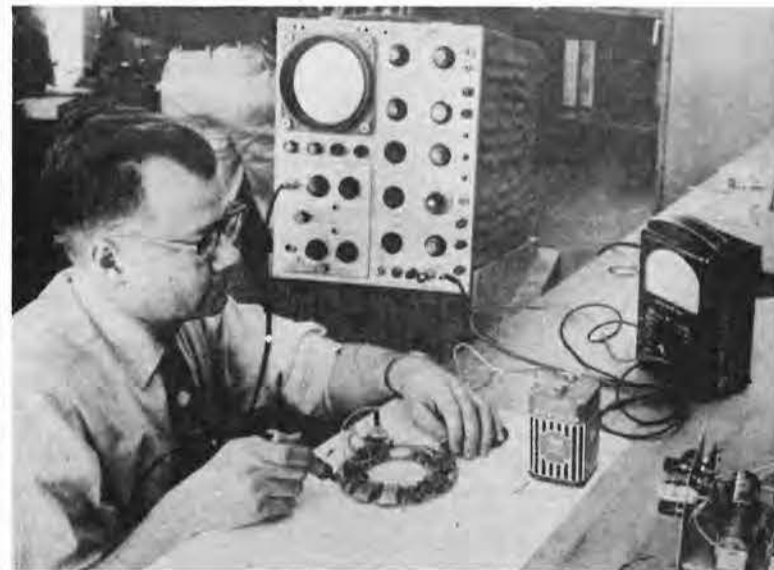


Warren Dixon sent in the newsphoto reproduced here that shows Dr. Willard R. Hawkins, resident in aviation medicine at Randolph AFB, San Antonio as he talked to Airman Donald G. Ferrell. Farrell underwent tests in a chamber designed to simulate the close quarters of a space ship. Of particular interest to Tek is the Tektronix oscilloscope at the right of the TV monitor. Used with various types of transducers, the oscilloscope is capable of monitoring many physiological changes in the human body.

Navy's 'Moon' Brain Studied



This is a view looking down on one of the temperature storage disks which was to be a part of the satellite's works. This part helps to "remember" temperature changes which are coded and recorded on tape. Note the size of the disc in relation to the dime placed at the upper left-hand corner of the picture.



Harry H. Miller, a research associate in the college of engineering, is shown checking part of a relay circuit. He designed some of the electronic components of the satellite, and built many of them while working with the project team. The oscilloscope in use is Type 535, S/N 804.

Whispers to Wives

There's lots of talk about high-fidelity as you well know. Many of you have a husband who is always busy wiring, rewiring, adjusting, and readjusting while mumbling such words as tuner, amplifier, decibels, and watts. You may have asked him many times to explain what he was talking about. But all you got in reply was a string of incomprehensible words. To help you understand a few of these words, let's investigate their vernacular.

First we'll describe what a high fidelity music system is. Your husband says it is an assembly of components that faithfully reproduces the original sound of the concert hall recording studio. We know better—it's just a fancy radio-phonograph that is louder and more expensive than the neighbor's.

Then there are the many gadgets going into a hi-fi system, which always seem to take preference over that fur coat. Just what are these things that seem to be so important? A practical glossary of some of the more common terms is presented below to help you.

1. **AMPLIFIER:** The component which has what they call transformers and push-pull tubes, which are usually too hot to touch.

2. **CABINET:** A piece of unpainted furniture used to hide a tangle of wires.

3. **DECIBELS:** A fancy term describing how loud a noise is.

4. **PREAMPLIFIER:** The component with all the switches and knobs. You can reduce the loudness with one of them.

5. **SPEAKER:** There are three kinds in general use: Woofers which make those deep room-shaking noises; mid-range speakers, which produce most of the audible noises; and tweeters, which make high-pitched noises like a "tweeting" bird.

6. **STYLUS:** A fancy name for phonograph needle. The best have diamond tips. We can think of much better uses for diamonds, can't we?

7. **TAPE RECORDER:** A component with a microphone that can preserve baby's first words just like a movie camera can preserve the first steps.

8. **TUNER:** The station selector or dial portion of the radio. This part has the panel that lights up.

9. **TURNTABLE:** A manual record player which is supposed to be better than the neighbor's automatic record changer.

10. **WATTS:** Similar to horsepower in a car; he's always trying to get more.

These are enough terms to put you on a conversational level with our favorite hi-fi addict. Reprinted from — **The Pulse**

JUNIOR ACHIEVERS — Sponsored By Tektronix



PROD-O-JAC, a Junior Achievement company completed their successful fiscal year on May 1. Advisers for this company were, Al Foleen—Business Manager, Harold Miles, Sales Manager and Mel Bilven, Production Manager. These Tektronix employees devoted one evening a week to counseling and encouraging the Junior Achievers in their business enterprises.

The President's Message included in the JA corporation's annual report speaks well of the help given the junior company by its advisors.

"I would like to take this opportunity to thank the advisers of my company for their unceasing help throughout this year. I am sure my fellow achievers fully appreciate the time that each adviser has willingly donated to this company."

"Our first month of business was, as in all new establishments, rather slow. There was one complication that arose constantly, we couldn't decide on what product to produce. Throughout the year we started to produce four different articles, but only continued one. The last product was memo-pads, which to us was a life saver."

"I think that every achiever will agree with me that the knowledge received from this year is something which cannot be lost. I have been in Junior Achievement for three years and I believe that the knowledge that I have gained will help me in the future."

"Our sponsor, Tektronix Incorporated, has given their full cooperation and help to our company. I would like to thank them for my company and for their sponsorship and cooperation."

John Fossum—President. The rather stormy year for the little company was summarized in an interesting report to its stockholders. They met with their advisers and in two short hours learned about JA companies, selected a product, chose a company name, applied for a charter, learned about stock (in two short hours?), decided upon how much stock to sell and appointed a committee to study lease. In succeeding meetings, officers were elected, a lease executed, stock certificates were issued, production schedules were set up and sales organized.

The first product, silk-screened Christmas cards, was well under way when at the first Board of Directors meeting it was decided to drop the production of Christmas cards and produce pot-holders and lamps. Materials purchased for the cards were cast aside and new material and equipment had to be purchased to make the new products.

Thus, the very valuable time that was completely wasted in switching products and setting up new production lines left the company way behind in capturing part of the Christmas buying market. The sale of pot-holders was far ahead of pro-

duction and the production of lamps was way ahead of sales, thus went until after Christmas.

Harold Miles is shown here with part of the group producing Mem-O-Pads. The product was a scratch pad fastened to a small aluminum sheet that had been silk screened with a very simple design. This product actually "saved the day" for the JA company. Harold does silk-screening here in our Shop.

"The first of the year slump hit us hard, because we had material for the production of Christmas cards paid for and unused, also pot-holders and lamps were not selling, and our company President resigned and quit."

Production on pot-holders and lamps were cut to half and the company concentrated on a new product, Memo-Pads, which took the company from a \$205.96 deficit at the end of the year to a solvent situation at the end of the year with all bills paid including wages.

Junior Achievement is a non-profit National organization which was established to teach young high school students the basic fundamentals of real business through actual experience. This is done by putting a group of about fifteen youths under the guidance of three advisors who help organize and direct the activities of the group. This group under the sponsorship of a local firm, incorporates for eight months and meets for two hours each week, or approximately sixty two hours total. During this time, experience in organization, incorporation, selling stock, purchasing materials, manufacturing selling, directing and liquidating is gained.

Only through Junior Achievement, which is voluntary for both youth and advisors, can the youth of the nation have the opportunity to become acquainted with the business world. This also helps to serve as a guide post in future years. It is the hope of each sponsoring firm that they have contributed in the development of a sense of responsibility, reliability, and social maturity in each Achiever, and make him a better citizen for his experience.

The comments of our advisors may be of interest to others who might like to take up the reins in future years as JA advisers. "Being a part of organizing and maintaining small business, from its inception through its liquidation, has certainly been an interesting and unusual experience. As advisors we have had a first hand opportunity to guide young people through their first business venture. The use of private capital funds, supplied by many individuals, and the effective use of these funds in producing a business profit, underlie our economic system."

Cascade College Notes Gift

Edison Habegger, President of Cascade College in Portland, wrote Tektronix Foundation recently to express his feelings in regard to the Foundation's policy of matching gifts made to colleges.

In the words of Edison Habegger, "It gives me a great deal of personal satisfaction to commend you for the wonderful way you have set up a Foundation policy of matching contributions that your employees make to their alma mater." "I trust that your example of this policy will become more widespread in business, as it could easily become a solution to the financial stress of independent colleges."

The letter was prompted by a recent gift of \$25 which was made by an employee of Tektronix and matched by the Tektronix Foundation. These gifts are taken care of by Don Ellis, Foundation Treasurer or Bill Webber, Foundation Secretary. An individual merely writes his check and brings this with an envelope to either Don or Bill. They include the Foundation check and an explanation and mail both.

TALL TEK TAKES TOKEN TO TALK



Scott Foster, Jr., of our Purchasing Department recently accepted new laurels for his interest in community affairs at Cedar Hills when he was elected President of the Cedar Hills Lions Club.

Scott, when asked about the honor bestowed on him by his fellow Lions, said that he felt any interest that might be generated among other Tek members toward participating in work done by community clubs of all sorts would be well worth the space we allot here to a picture of the 'great moment'. He is not alone in his interest and help given to the work of the Lions Club. Other Tek members belonging to the group are Art Enright, Third Vice-President; Ken Walling, Director; and Vern Hansen, Secretary.

Many communities have clubs that do a great service to the youth and families living in their area. If you have an evening or so free each month and a real desire to make your community a better place to live, your attendance and membership in a service club such as the Lions may be just the thing to do. Along with doing good for others, the club's activities offer relaxation and enjoyment for the members.

NEW LUNCHROOM IN USE



Elsie Roher and the gals all "dudged-up" with orchid corsages, courtesy of L'abbes, on the first day opening at the Beaverton lunchroom. Myrtle Barker, Rachel Cressey, Mary Cramer, Elsie and Vi Cunningham pose with the posies.

"FRONT OFFICE" Gets New Tenant



Ron Goard survived the relocation of the Orders and Billing group and accepted long distance calls amidst the thunder of saws and sledge hammers. You wouldn't know the place—not if you've been away even a week!



Harriet Daily of Personnel was the first to take up residence in the area vacated by Ron's crew. She's sitting at the desk now occupied by Merna Faull, Don Kepler's new secretary.



Preview of Picnic?



Irv Smith, Employment Manager at Tektronix, is shown here trying to entice some transportation out of a little burro when the family visited a friend's farm recently. Irv got underway a lot faster than this when his office was called on to fill the last batch of Help Wanted.

DON'T YOU FORGET PAT'S ACRES AUGUST 9th

Blanche Cook models a polka-dot blouse worn to have some fun with the acoustical, tile-covered walls in the interviewing rooms. The first day in the new offices was dubbed "polka-dot" day and all the gals in the Personnel Department turned up in dots!! Unfortunately they could not all get into one of the rooms for a picture.

SCREW CREW NEWS

The Lunchroom at the Beaverton Plant was "showered" with salt and pepper shakers to decorate the tables by the Mechanical Assembly group. Mechanical is just a step away from the new lunch room and think its mighty nice.

Congratulations to **Donna Dillon** and **Jack Korpi** who were married June 28th in St. Matthews Catholic church at Hillsboro. We all hope they have many happy years ahead. Donna served many moons as our Group Representative.

Jean Berlach is back at work after a very pleasant two weeks vacation. She spent one week in New York before flying to Bermuda. Jean says the men there wear shorts (short shorts?) even at the dances.

Swimming, sun bathing and sailing on the "Priscilla" was just a few of the many nice times she had. Shopping with English money, and dodging the "wrong-side-of-the-street" drivers was all a part of travel fun. You may have seen a picture of Jean and her friend in the society pages of our local papers in June.

KIT PREP

New group representative for Kit Prep. Dept. is Marietta Kilgore and alternate is Salme Soot, Minnie Berger was chosen news reporter.

Marvis Haller after a 9½ months absence has returned to Kit Prep. Welcome back Mavis.

Julia Barnes and her husband, Jimmy and daughter Connie, were called to Norfolk, Virginia by the unexpected death of Julia's father-in-law. While it was a sad mission, they were thrilled by their first airplane trip and flying to the East Coast was quite an experience for them.

Component Test has two additions to their little group. Dick Goodall a student from Stanford, and Bernard Stalp a student from Portland State are helping out for the summer.

PLASTICATS

First, and most important, we'd like to welcome to our department our new members, Hulda Berger, John Bookout, Andy Briggs, Helen Handewith, Elaine Henry, Ruby Lee, Dana Lukens, Arthur Petali, Gustav Vaga and Fred Wright. Quite an impressive list and we're awfully glad we've moved to the new plant or we'd have had to hang some of them from the ceiling.

Jean Lohse promises to give free swimming lessons to anyone who shows up on the Willamette at 4 A. M. For reference, call Barbara Byrne at Extension 655.

Vacation time has started and every Monday morning some familiar face is missing and the rest of us think with envy of the lucky one.

Edgil Panian's boy, Jeff, is home on a 30 day leave from the Air Force, then he ships to England for 2 years.

Barbara Byrne's boy Larry, is home from the Air Force, too, but he's slated to return to Lincoln, Nebraska.

Bud Rogers has decided not to be so rambunctious next time he goes to National Guard camp. Age will sneak up on you, won't it Bud?

Betty Bohall, who plays baseball for the phone company, is pretty confident about her team's future. They're getting beaten by smaller margins now.

Cecelia Raun is off for Canada on her vacation. Good hunting, Cecelia!

Ida Smith brought her two-year old granddaughter in for a visit and almost lost the little doll. Everyone wanted to take her home.

Ruby Lee's little daughter is no slouch when it comes to cuteness, either. She was in to visit her mother and was fascinated by all the machinery.

Everyone, please be careful on your vacations and come back safe and sound. We need all our workers!

TEST PROBES

Marriages

Don and Helen Sherrod's daughter Donna surprised parents by eloping to Boise, Idaho, on June 21 with Roy Blair who is recently out of the service. Couple will live in Portland.

Births

The Al Carpenters are proud parents of a baby girl—8 lbs. 15 oz. born on Friday, June 20 at 12:42 a. m. Name is Amy Jane. Parents are doing fine!

Other items of interest

Aino Oluri went water skiing for the first time. She said as she was sitting on the dock for "take-off" the boat somehow caught the top of her suit and the dock was holding fast the swim suit bottom—Well, Aino, do go on with your story! Also, where did you get that black eye you came home with that same day?

Bill Yerke's daughter, Kay, joined the Navy. Dad, Bill, spent 20 yrs. in the same service. Pop says, "It's not so unusual for her to join up—the gal was born in the Navy!! She ought to have Navy life down pat, by now!"

Bill Jensen has his woes—Bill while traveling along the Baldock Freeway on the black morning of June 24th, suddenly became aware that the slick pavement had taken control of his car. It caused the car (Bill included) to roll over once. Luckily, Bill's OK, but the car is a total loss. How's walking these fine days, Bill?

New Cars

Edna Ulrich is sporting a new Nash Metropolitan convertible—Edna says "That means the lid comes off."

Cy Woodworth finally got his Volkswagen after almost a year of patient waiting. How does it feel driving the small bit of gold around Cy?

Vacations

Howard Plaschka went to Kansas and says the weather was great—cooler than it was here while we were having that 90° spell.

Randall Eichman spent his vacation helping his relatives move. Oh well, maybe next year.

Wayne De Vaul went to "dodge park". He calls it that 'cuse he "dodged" raindrops the whole time! Really, he and the family spent time at Lake Quinalt and Woodby Island, where they went fishing, boating and swimming, even though the weather was poor. Wayne, it seems, has been plagued by vacation rain since 1952. Every year his pleasure has been "dampened" by the weather. Wonder if this rain-making faculty could be marketed?

Ed Healy went to Eastern Oregon on a rock hunting expedition. He is a member of the Tek Rock Hounds and he performed his duties well by returning with specimens of thunder eggs and petrified wood.

Lloyd Sharp and wife Barbara, former Tek employee, took a 30 day trip to the East Coast, where his son graduated from Annapolis Military Academy. They spent June Week at Annapolis and 3 days in Washington D.C., and then an extended trip in New England where Barbara has relatives. Ask him how he liked that breakfast that the millionaire cooked for him!

Bob Herb last month realized the dream of many a young person when he got to take a trip to Disneyland. For the trip, which also included other California points, he took with him a cherished friend and fellow Mousketeer, Kathryn Rosiak. They left May 17, shortly after Kathryn became Mrs. Bob Herb in St. Cecilia's church in Beaverton. Among the experiences they enjoyed most were the trip through the 'Amazon' jungle and the "Rocket Ship to the Moon". The latter, of course, was most appropriate for a honeymoon.

Folks who may have wondered about a strange object sticking up from the parking lot might be interested to know that this is a 1931 Model A owned by Randall Eichman. Although drab on the outside, the engine is a thing of beauty, having been cleaned and painted in brilliant red, yellow, and blue. Randy has combined the parts from

CR TEEZERS

Vel Mahaney has taken a short leave of absence from CRT. In order to start the leave just right, she and her family went to Nebraska for a vacation. Do have fun Vel—get a good rest and for "Pete's sake, hurry back"...signed, Jack Neff's gun department.

Jack Neff was very pleased to have four beautiful cakes given to him for his birthday by four of his employees. Jack has a sizable group to supervise, but this comes in handy when a birthday rolls around with cake and cards, right Boss?

Babies: Alice and Bert Fleskes had a son born to them on June 12, Alice is a former CRTer and husband Bert is presently employed here.

Welcome back to Senora (Sunny) Hanson who has returned to work after having surgery and time off for recuperation. Sunny works in Bottle Prep. room.



Our newly weds: Gayle Rood to K. Phil Horine, Jr. on June 6, 1958 at the Vermont Hills Methodist Church.

Friends of Gayle Rood from CRT were hostesses to a surprise party for her May 28. Gayle was employed by Tek last summer in Plastics Dept. She has spent the last two and a half years at Reed College, but decided to desert the field of technical learning to become the bride of Phil Horine, who has been a Tek employee for one and a half years in Shop Gayle and Phil are busy people. They are building their own home in West Haven district. Gayle was very excited about the surprise and the lovely gifts for her home. A bit of advice for Gayle: There is a never ending field of technical learning connected with the art of being a good wife and homemaker. No amount of teasing dampened Gayles enthusiasm as she counted the days till June 6th.

two Model A's to get this one in running condition. And when he has reconitioned the outside, he plans to operate his car as a traveling exhibit of what an automobile should be like.

Engaged A beautiful ring graces the hand of Mickie McKay of the Test Department and signifies that the said hand was promised to Virgil Howard on April 26. The couple plan a fall wedding.

Wedding Plans Gordon Fromm of Test and Miss Linda Johnson plan to be married on Aug. 16 at the Trinity Episcopal church, Portland. They will have a honeymoon in Canada.

Babies to Jack Stoll, a girl, 8 lb. 8 oz. born May 28. To Maxine and Ken Hogatt, a girl Susan Kendall, 9 lb. 9 oz. born May 12.

Back To Work Dick Pooley is back to work after recovering from an operation performed recently.

Nationally known electronics and science exhibits such as the I.R.E. show at New York and the Wescon show at Los Angeles may well look to their laurels. This is the sentiment of students and faculty at the Vernon Grade School, 2044 N.E. Killingsworth Ave. For while the Tektronix exhibit was the star attraction at above mentioned shows, the Vernon Science Fair, held May 20, also had its Tektronix exhibit. This exhibit featured a 310 scope with a microphone at the input, and a portable radio. Visitors to the fair were able to see a display of the sound of the radio music or to pick up the microphone, speak into it, and see their own voice. Students in charge of the exhibit mentioned that "Fritzler's dad" had brought the scope.

WIRE TERRIERS

In Marshall Jackson's and Stan Saety's groups, Shirley Hergert, Pauline Wolever, Della Chumley, Ruth Johnson, Martha Wood, Emily Tuttle, Joyce McNiel, Shirley Buzzell, Gwen Kaufman, and Helen Johnson are the new employees. Welcome, girls.

Gene Paul is a summer employee who is a junior at Princeton. This is his fourth summer with us.

After a year of absence, Lorraine Brekken is back with us.

Production dropped considerably for Verna Nyseth of Marshall Jackson's group when an earwig invaded her sweep chassis. What color were his eyes, Verna?

Betty Freeman, Doris Flynn, Vi Estabrook and families are going vacationing at Loon Lake to pick up the "can" opener Stan Saety has promised to leave hanging on a tree. Loon Lake?

As a by-product, has Tek gone into raising tomatoes? Tomatoes are growing near one of the north doors.

Though Stella Bryant has moved 37 miles closer to work, it takes her longer. Long detour, or "making hay?"

Dorothy Stahly who is leaving us for wedding bliss, was showered with advice and honored with cake July 3. The lucky fellow is Bud Fetter who is serving in the Navy. They will be married July 12 and live in Palo Alto, California.

THE JAMES GIRLS

Here we are again suffering from what is known as "growing pains". Since the first nine nite-owls have come over to the Beaverton plant, we have been steadily growing. We are now 27 in number. Our newest members are: Mary Lou Fults, Donna Johnston, Dee Ann Vick, Pat Schroeder, Sharon Higgins, Marian Van Antwerp, Jay Hoffman, and Richard Watson. Before coming to Tektronix, Mary Lou worked at the Italian Swiss Colony Winery at Asti, California. Donna worked for Dr. Al J. Rossie, DMD, at Beaverton. Dee Ann graduated from Sherwood H. S. at Sherwood, Ore. Pat was a student at George Fox College at Newberg, Ore. Sharon graduated from Hillsboro U. H. S. Marian worked at U. of O. Medical School Hospital in Portland. Jay was a student at San Jose Bible College. Richard was a student at the University of Chicago. A hearty welcome is extended to all by the members of our group.

Our 10-hour-a-day week was certainly brightened by a "smorg" featuring—baked salmon; caught by Wayne James and baked by Carol Turnage. Other delicious dishes were prepared by the artistic chefs of our group. After the smorg, the saying was, "Oh, I ate too much." All in all a wonderful time was had by all.

DELAYED LINES

We wish to extend our sympathy to Jacky De Wald on the death of her brother and to Shirley Farley on the death of her father.

Marjorie White has returned to the Coil Department after a leave of absence to welcome a lovely baby boy.

The Coils Department moved into their new home recently. They occupy the area generally known as the old Silk Screen room. It surely is nice to be able to move around the area without asking everyone to move.

Welcome to our happy family—Nadine Eades and Lois Ingersoll. Hope you stay around a long time.

Many thanks to Howard Vollum and Jack Murdock for our shares in Tekem. They were a greatly appreciated Gift.

Vacations are in full swing. Happy Landings Everyone!

TRANSFORMERS

Big news this month is the transfer of Lee Crocker to Quality Control. Lee will be greatly missed by the many friends that he has made while here in Transformers.

Accident Prone—Fern Eshelby, falling from curb hurting arm—Carol Pitt stepping on nail, off work one week—Jane Tomkin, losing fingernail in papercutter—Barney (Cheyenne) Gregory falling from a horse injuring arm.

New personnel we welcome this month include—Austin Carpenter—Al Myers—Bill Muessig—Jim Cook—Norm Heuvel.

CAPACITOR CAPERS

On the 29th of May we said goodbye to Wilma Webb with an orgy of good eating. After nearly two and a half years, with time off to have little Danny, Wilma decided she was needed more at home than at Tek.

She got a beautifully wrapped gift from Lorraine McNiel who lives on a farm in Banks, Oregon. Wilma had been begging Lorraine for some of that stuff that makes roses grow, so Lorraine presented her with a box wrapped in foil and a corsage of roses on top. She was also given a beautiful slip by the rest of the department.

Seven of the girls from the Department went to San Francisco for the National Bowling Tournament. Counting their husbands and children there were twenty-one altogether. A wonderful time was had by all with the beautiful weather prevailing all the way. The majority went down on the Cascade Limited; the rest went by car. The ones traveling by car were actually more rested due to the swaying train multiplied by the services of the Club Car. June Wooldridge was the only one who came near to having a decent score.

She got a 484 in the Singles, scratch, the rest of the bowlers would rather talk of something else.

The Resistor section of the department has grown tremendously the last few months. There are so many new faces with some from within the plant and some from without.

The Capacitor girls who have been over in the Shopping Center returned to the Sunset Plant June 2nd. In just a few weeks the carpenters and painters will be finished and then Resistors, Pots & Capacitors will be together again.

CABLEGRAMS

When you pass thru—after coffee—after two

Don't whisper, point, and laugh so loud

We may be fat—but we are proud—And we are stripping! Yes sir, it's okay

So take it easy down our way. Wow! looks kill! you want to live? Remember this—we're sensitive!!

Have you noticed the new set up of Cables? All pre-cut wires! A desk for each cable! we do a different cable every day (we hope) so you never know where to find us. It is less work plus a neater look. If you hear the girls talking about "dog houses" it is only because of the shape of things—not because the guy who tho't this up is in one. We are pretty proud of our new "boxy look".

Lots of graduation pictures are being shown around. Ruby Miller, Ada Reynolds, Mary Loli, Frances Pierce, Gerd Schwerin, Barbara Losli, Ester Sipe and Lola Searles all have children graduating from the eight grade. Iola also has a girl who graduated from high school as did Pansy O'Brien. Ella Beaver's son graduated from Oregon Tech in an eventful month that brought her a new "friday the 13th" granddaughter. She's practicing up on lullabys to sing to the new baby when mother, Arleta Burr, lately of Kit Prep and now of Denver brings her around.

That lucious "ham an" pot lock you smelled on your way to the lunchroom was a last farewell to Grace Hamlin, Jo Bailey and Marge

CABLEGRAMS (continued)

Edwards. Good Luck girls! we have two new girls lacing cables these days. **Fran Gamon** who is a junior at the University of Portland majoring in sociology and **Kate Hitchcock** of Scholls.

Beulah Lichty has been showing pictures of Washington D.C. taken on her recent vacation. She visited son **Donivan** who is with civil service and has since been sent to England.

Dolly Lee has pictures of her sailor son. Three stripes already!

The Cable girls have been busy as bees getting settled in their new home and getting reacquainted with old friends. The group had an overnight trip to Cape Lockout where they got lost in the fog, and a delightful party at the home of **Marge Clymens** where they surprised **Jo Bailey** with a stork shower.

We are a bit sad at losing so many friends—seems we are being raided right and left. We've sent **Marge Edwards** and **Betty White** to Personnel. **Ivy Takkunen** and **Jo Bailey** are on stork leave and **Brace Hamlin** is now in Silk Screen. Marge was our Group Representative so we elected a new one. The job is now filled by **Pat Hart** with **Grayce Hitchcock** as her alternate. We doubt we will miss any news with such able girls on the job.

Our monthly birthday cake in June celebrated the birthdays of **Laura, Marge, Ruby, Marge, Pansy** and **Edith**. I heard that one of these girls was celebrating her 40th—but I'd never tell which one it was!

FINAL FOLLIES



All our best wishes go with **Wendell Ferland**, our former Unit Manager, as he assumes new duties as Unit Manager of Unit Wiring. We are sure the people in his new department will soon be as fond of him as we are.

While we are sorry to lose **Wendell**, we do want to extend a warm welcome to **Harold Edmundson**, who will be taking his place in the little room with no windows.

Other newcomers in the department this month are: **Ray Leeto**, and **Peter Feher** both from sandblasting. **Ray** is originally from Estonia, **Peter** from Hungary. Both are very likeable guys.

Final also welcomed **Frank White** back after an absence of a year. On the other hand, we lost two finalists; **Bob Mitchell** to Sandblasting and **Jim Van Veen** who took a leave of absence to care for his nursery and landscaping business.

Bundles of joy numbered two this month. **Mr. and Mrs. Don Pratt** had a daughter, **Rosemary Jean**, born on May 4th. **Mr. and Mrs. Dick Forsyth** had a son, **Richard Charles**, on the 13th. **Don** took two weeks off to regain his strength. **Dick** didn't need time off, although he did look a little haggard after his day and night vigil at **Emanuel Hospital**.

The **Livermores** are matching one another, trophy for trophy. **Ralph** got one at a motorcycle rally and his wife **Marge** collected a nice one for her bowling skill.

Cam Kines suffered an accident, too, although of a different nature. **Cam's** right eye was injured when a tool slipped. The wound required stitches on the eye itself, but we are glad to say that everything is OK again now. His eye is in good repair and almost completely healed.

While I'm on the subject of accidents, **Evelyn Johnson** unwittingly served as **Safety Reminder of the Month** when her skirt got caught in the powerful blower fan we had been using to help cool the depart-



ment during the days when the temperature reached 90° and above. Someone had turned the machine off before she sustained any injury, but poor **Evelyn** was visibly shaken by the incident.

Ed Hopper, the man in the yellow rain coat, was seen directing traffic at the scene of an accident in the summer uniform of the auxiliary police; swim trunks, boots, cap and rain slicker.

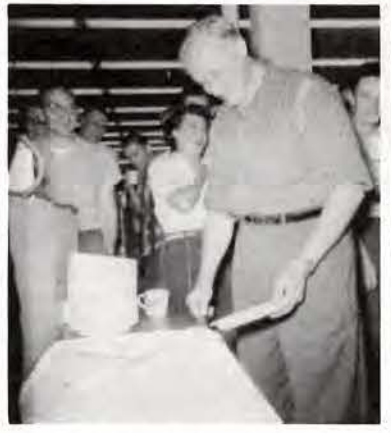


Probably the funniest thing that happened all month in **Final** was **John Shaw's** getting stuck in the garbage can. **John** was sitting on the edge of the can when he, with the aid of a couple of the local clowns, fell backwards into it. Although nearly everyone in the place rather enjoyed the bit, **John** tells me it was somewhat uncomfortable.

Loren Hofeld gets mentioned here for paying \$85. for a pair of roller skates, which to my way of thinking is news indeed.

Last and certainly least is **Dick Trythall**, who hasn't done anything note worthy all month.

George Bernert was handing out again this month on the occasion of the birth of his second child, making 2 girls for the growing family. We'll be watching next year, **George**. We are losing 2 Finalists to Q.C., in the persons of **Eldon Webster & Carl Danahl**. We are anxious to see the 6 guys who are replacing them.



A very important event took place on the 11th of June; **Ray Leeto** became an American citizen. **Ray** was surprised with a cake frosted with congratulations. Born in Estonia, **Ray** lived in the U.S. for the past few years and seemingly enjoys it here.

Rocky Rockwell is starting out in the building stone business soon with a partner, **Al LaMotle**. The site of their prospective business is somewhat remote, being in the desert about 60 miles from **Bend**. Who knows, someday they may call him **Rocky Rockwell, The Rock Tycoon**.

Bob Carroll also has a partner in the ownership of a racing car. He and **Marion Ringle** are presently building up a complete new engine for their **Hudson** to be run in the early-model stock car races. **Bob** says with the new engine, their car should really be worth watching. Good Luck **Bob**.

Another Finaler with an interesting sideline is **Harry Tompkins**, who is a part-time cowboy. **Harry** recently bought a horse with which to ride herd on his spread. Glad to see you're finally doing something about the spread, **Harry**.

Eldon Cedargreen took his family on a fishing holiday at **East Lake** and had terrific success catching their limits in record time. **Eldon's** 7-year old son, **Jeff**, topped them all with a 16 inch trout. A real beauty.

GAME TRAILS

Now hear me, all ye nimrods of field and forest! In the interest of perpetuating the glorious sport of big game hunting in the prolific Northwest, there are those among us who would like to form a **Trophy Club** with scoring based on the **Boone and Crockett** scoring system. Scoring would be judged by a board of five referees elected by the membership of the club, with a prize going to high point trophy holders in both **Elk** and **Deer**. There will also be a booby prize for low point trophy holders. As an added attraction, it was suggested by the founding group that a brief report might be filed by members returning from afield to assist others in planning trips. The report should contain such information as weather conditions, road conditions, game count, red hat count, stray lead count, etc., etc.

It was also suggested that meetings could be minimized with a minimum of one per year. At this meeting, awards could be presented and officers elected to maintain impetus and design the program for the following year. Most other communications could be accomplished through published bulletins to the members.

Eligible for membership would be any **Tek** employee and/or spouse, also the children of any **Tek** employee. Prizes and other operating expenses would be financed through membership fees of \$1.00 per year, per member. In order for a trophy to qualify for entry, the member entering the trophy must be a paid-up member prior to the trip on which the trophy was taken. Also the trophy must be taken by the member himself. Types of trophies, as stated before, would be restricted to **Wapiti** and **Mowitch** (**Elk** and **Deer**, resp.) until such time as a broader need presented itself.

In order to start the whole deal on its merry course, the following people have volunteered their services for the initial Board of Referees: **Hal Busch, Test; Howard Gault, Carpenter Shop; Emil Evans, Test; Tom Sly, Assembly; Earle Pahlka, Test**. Any of these people can and should be contacted for further information.

Happy Hunting !!

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Flying C. Reports May Fly-In

After four months of planning, the morning of **May 9th** saw the take-off of three airplanes carrying five couples south for a weekend in "sunny" **Sacramento, California**. **Bill Luscomb** were the first to take off and **Virginia Polits**, in the Club's at 9 a.m., followed by **Bill and Lois McCord** and **Roger and Phyllis Haight** in **Bill's Magnificent Cessna 172**. Sprinting down the runway, I barely caught a ride with **John and Geneva Kobbe** and my wife, **Betty**, in the Club's other entry in this flight, the **Tri-pacer**.

The three planes covered the 600-odd miles in approximately five hr. flying time. Refueling stops en route were made at **Medford** or **Red Bluff**. Strangely enough, we landed within minutes of each other even though we cruised at different speeds, and stopped separately along the way. One of the highlights of the trip, to my way of thinking, was slipping into that cool **El Rancho** swimming pool as soon as we arrived.

Ed and Mary Bauder's arrival from **Palo Alto** shortly after we touched down made a memorable trip even more pleasant. **Ed** has a beautiful little **Ercoup**, an airplane which is a story in itself. Later on I will try to get **Ed** to give us a run-down on this unique little job.

On the second day a few of us flew down to **Merced, California** to get a look at some oldsters at an antique airplane fly-in. Among the best looking was a **Fairchild 22**, which brings up a point about so-called antique aircraft. These are good substantial aircraft and are in better condition after 25 years or more of continuous use than a car would be after 5 years. More than that, they will be flying for a good many more years.

Those of us who didn't fly to **Merced** went shopping or visiting in **Sacramento** or **Modesto**.

On the following day we flew to the **Nut Tree**. This is best described as a restaurant with attached gift stores, very beautiful grounds, and an airstrip with miniature train service to accommodate the flyers. There is much to recommend about this rather unique place to anyone traveling to **San Francisco** by auto as well as by air. I might add that the food was terrific. Just ask **John Kobbe**. He was a little hungrier than the rest of our party, so he ordered the full dinner beginning with an immense fresh pineapple and ending much, much later with a so-called 'forty-flavor sundae'!

The last day of our holiday found us swimming at the **El Rancho** in the morning, climbing into the planes for the trip home in the afternoon, and arriving home about eight that evening.

Difficult, cross-wind landings were the rule at the airstrip we used in **Sacramento**, and all are to be commended for the fine flying on this trip. As a fledgling pilot of 4 hours in a **J-3**, let me say that I can see I have a long way to go. Three successful night landings at the **Hillsboro Airport** and ten tired but happy people spelled the end of a grand, springtime weekend.

Sawyer's Wins Annual Bowling Meet



Herb Miller and **Betty Boros** of **Sawyers Inc.** accept the trophy after winning the second annual **Tektronix-Sawyers Tournament**. **Wilma Stapleton** and **Don Pratt** delivered the championship trophy to **Sawyer's** who will hold the award until the next meet next year.

From Left to Right: **Artie Nelson, Melba McKinley, Wilma Stapleton, Elsie Roher, Ken Jacobsen, Jerry Gillespie** and **Don Pratt**.

Back Row: **Bob Fields, Waldo Johnson, Dick Schmidt** and **Wayne James**.



MARK THAT CALENDAR . . .
TEK
'Get Acquainted' DAY
AUGUST 9th
PAT'S ACRES

Daylight Portable Displayed



One sunny day last month Comp Compton of Hawthorne Electronics, Chuck Gasser, Hugh Dwight, our Advertising Agent and Don Calnon from the Engineering Department visited the Portland Air Force Base. Object of their visit was to get a legitimate portrayal of the new Type 317 Daylight portable oscilloscope in an application that would put over the idea of a brilliant trace, easily readable in bright areas, even at low sweep repetition rates.

The successful completion of their mission resulted in the one page ad that was posted on all of the bulletin boards here at the plant and will appear in the late August and early September trade publications.

Don Calnon explained that the brilliant trace was a characteristic needed in many applications of a portable oscilloscope and the need was met by applying a 10 kilovolt post-accelerating potential to a new Tektronix high voltage, three inch cathode-ray tube.

The courtesy extended the Tektronix people by the Commander of the 337th Fighter Group through Information Officer Lt. Ryan and the cooperation of Tech./Sgt. Reynolds and other Airmen in setting up the display was greatly appreciated by Chuck Gasser and the Tek group.

An interesting aside was given by Don who related that the set-up of the demonstration was at first delayed by the lack of a power source. It finally arrived, but was a 400 cycle supply. The scope on hand was designed for 60 cycle operation but worked nevertheless. A modification of the Type 317 is capable of operating on a 50 to 800 cycle supply.

Terry Clifford of our Photography Department drew the picture taking assignment for this ad which is part of the bulk of photo work turned out by Ed Egan and his department.

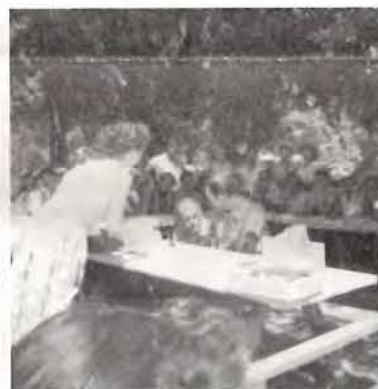
1958 PICNIC — FUN FOR EVERYONE



Ladies Fashions?



Horseshoes



Bingo!



Scramble in the straw.



Ponies are fun!

Tektronix Employees Annual Picnic for 1958 will be remembered by thousands of Tek family members as being a new, different and exciting affair which offered a variety of entertainment for all who came.

Much thanks has been expressed for the willing hands that kept the events of the day rolling along and for the volunteer assistance given to the Recreation Committee in carrying out the necessary arrangements to prepare for the amusement and comfort of over 4,000 picnickers. Group Representatives and other individuals took part of their picnic time to lead the games, announce the various events, and man the First Aid station.

Everyone seemed to agree that the highlight of the day was the Donkey Baseball game. Well known Tek personalities were in the "saddle", (not for very long!), to add a thousand laughs for the eager spectators. The enjoyment by youngsters of the antics of the four-footed players and their two-footed masters (?) was quite evident; and the players urged on by their buddies along the baselines did their level best to stay astride the wily critters.

Driving the Baldock Freeway was a new experience for some of us and even with the aid of Arnold Rantala's map, arrival at the park was an adventure for some families. One lady from CRT and her family started off for the picnic with everything planned and executed to make it a memorable day. They covered about 40 miles of highway looking for Pudding Creek and finally stopped at a restaurant to ask advice. They learned to their utter surprise that they had been using the map upside down. Another member of the group, a gentleman, awakened his family early in the morning and they all pitched in making fried chicken and potato salad and packing a wonderful pot-luck. A wrong turn at Hubbard, Oregon put them on the wrong road and the resulting confusion of sign reading, upset and boredom put them in a not too happy state when they finally arrived at Pat's Acres. It was 12:30 but they thought there would still be ample time to enjoy the day. They asked directions of the attendant to the TEK PICNIC area, and the amused fellow informed them that they were 24 hours late. It was Sunday, and why everyone else had gone on Saturday was a mystery to our friend.

Another family group missed the boat in thinking that food was furnished but were well taken care of in Tek fashion by others nearby. Everyone agreed that there was far more food than a person could eat on all of the tables.

Interest in the games was so good that in most cases space, time and materials limited the participation. Re-runs were necessary in most cases.

All in all, a grand time and a barrel full of laughs was jotted down in the diary for August 9, 1958.



The lucky Winnah!



Little boys, and their balloons.



Kerr—splash. Fun in the Water.



The Ol' Swimmin Hole.



Bob Low—Winner with pressure-equalizer in the balloon toss!

Art In Electronics Entries Shown Here



Ida May, Leonard Mason and Jan Jones look over the still unfinished art work that she completed by the August 5th deadline for shipment to the Wescon Show.

Ida May Norby has a continuing interest in painting, and when she first noticed the announcement of the Wescon contest decided that she would try an unusual material as the texture for a painting that she had already done. Wire strip-pings were familiar to Ida, and the

unlimited supply of various color coded clippings offered a good medium for her artistic expression. A person will need to see the artwork to really appreciate the care and patience necessary to complete the picture. Toward the last, Ida had to enlist her children and friends for the task of sorting the many colored bits of insulation she needed.

Vern's mastery of the plastic medium is no secret at Tektronix. Bits of his skill at using plastic appear in many applications throughout the plant. We hope to have more about Vern in our next issue.

Good Luck to Ida May and Vern!



Vern Bartlett's entry: "Flight To Oblivion".

Tek Talk

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Departments are asked to notify the Editor if Reporters named are not currently correct.

Midsummer 1958 Bob Davis Marks Tenth Year At Tek

(Ed. Note: Looking back for material on Bob Davis's early days at Tek we came across an article authored by Will Marsh in the Tek Talk of July 1953. We all know about the further expansion and increased production that has been a Tektronix hallmark during the last five years and the large part that Bob Davis has played in putting more and more Tektronix oscilloscopes on the way to ultimate users. However, Will's article seems a fitting description of our ten-year veteran this month and updating a few facts seems unnecessary.

(Reprinted without author's permission—trusting to luck.)

A working, growing organization like Tektronix can be compared in some ways to a fairly complex machine. A machine like this requires a large assortment of gears, cams, pins, bolts and nuts—lots of nuts.

The fly wheel is sort of a regulating device which smooths out bursts of energy into an even flow, and prevents changes of source. This is where BOB DAVIS fits into the Tektronix machine. Orders come in the forward end, and Davis is somewhere in between flying around at high speed (ever try to keep up with him?).

Bob was born in Seattle when the year 1919 was almost done and began early to exhibit the characteristics of a Character; in short, he was a Precocious Child. Time is an insidious mocker to most of us, but to Bob, Time is a gracious friend; an unidler guy is hard to find. As an uninhibited urchin he invented circus parades to the vast entertainment of the neighborhood. He also embarked on a miniature circus project including seats, tent, circus wagons, and all the trimmings. His sister made costumes for the doll performers and helped paint the posters; then the whole show was displayed at the school. Again, this small-size power plant proceeded to print a weekly newspaper, taking ads, reporting (Editor, please note), editing and printing. As a matter of current interest, the first Tektronix forms were printed with his equipment.

Bob's inherent mechanical ability was undoubtedly shaped and polished in his father's automobile shop. The elder Davis was completely competent mechanically; witness the fact that he built his own car in 1912, and drove it from Indiana to Seattle. This is an ideal situation for learning—able teacher and willing pupil.

Somewhere in this picture a clashing color appears. It's improbable, unlikely and perhaps even irreverent, but it's there. This man with dexterous digits, with wheels in his wig, and brawn in his back is, also, (this kills me) a twinkle-toed terpsichorean. I mean it. He used to



be half of an exhibition dance team; I can't help it—it's irrefutable.

Well, close your mouth and unarch your eyebrows, and we'll continue. Bob left the University of Washington in 1942 to join the U.S. Coast Guard. During the greater part of the war he was stationed at Seattle Repair Base as Radio Technician. Here Bob worked with a large sector of potential Tektronix. Jack Murdock, Miles Tippery, Howard Gault, Milt Bave and Ken Walling were there during some part of Bob's tour of duty.

After this fascinating and frustrating period our lad of the large larynx returned to the University of Washington to stain his shirts with KMnO₄ and burn his pants with H₂SO₄. In between shirt-stainings and pants-burnings he built a house, and concurrently and practically simultaneously expedited materials for a construction company. I sure get tired just thinking about this.

In the summer of 1948 he started in the engineering department of Tektronix doing chassis layout in unusually competent manner.

During Tektronix' breeches-busting expansion, after the move to the new plant, he was needed by necessity to organize purchasing. Somehow, at this time, he got his coat-tails caught in the gears of production. After flailing about madly for awhile, he came out riding the machine. Now, like a one-man band, he tootles and thumps on assembly, stock, purchasing, test, ceramics and transformers. The music may not sound so hot, but it sure looks good on the bonus check.

Once in awhile you run into a "natural", a guy you can put on any kind of a job with confidence, a guy who can find out how, if he doesn't know how. These individuals are seldom found, but we've got him.

Davis is a determined doer, not one to be hindered by protocol or practice. Although a formidable adversary in argument, he bears no malice and (I hope) harbors no grudge.

Well, that's the top of the Davis as he looks from here. They invented a word for guys like this: indomitable.

To Our Readers: Cassidys Get Eastern Farewell

To Our Readers:

A suggestion has been made that Tek Talk feature a column similar to famous "Dear Abby." We would like to determine the interest to start with, so if you have questions of the sort that you would divulge to the Editor for answer in a column—shoot 'em in. Also, your suggestion of name for the column. Dear Polly, Dear Ed, Dear Doctor or just Dear Me...the sex of the answering person will be kept secret, and suitable answers will be sought to make the column interesting or humorous dependent on the nature of the questions.

Let us know your thoughts on this, please.



Field Secretaries bidding Jack farewell. See boys, life in the field isn't so bad.

Tektronix Picnic DonkeyBall Game By Ima Don Key

It was a hot day and we were booked into this PAT'S ACRES affair to do a few innings of ball. The Tektronix bunch we had heard were a devious lot and would try anything to show their 'human relations' prowess in handling us.



Make Way for the —donkeys!

We were greeted by a gal who seemed to know all about us and what the score was even before the game started. She boarded the truck at the gate (we adjusted for the list) to show us to our place in the park. The so-called ball players were eagerly awaiting us and a few checked in to sick-bay before they'd taken a second look. The word was passed that there was a vice-president in the bunch and we pulled straws to see who'd get him. We'd all agreed that no compromises would be allowed, but sure enough one of the sweet talking females got one of us so bewildered, (it must have been that "Essence of



Headin' for home—maybe!

Hay", she was wearin') that he entirely forgot to buck. She not only got to first base with the guy, but took him all the way home! Then there was this long legged guy that said he had it all figured, well he did all right but before the game was over we had him looking like last year's tax return after the Fed's looked it over. A real handsome devil tried to make up to one of us too—you just can't trust fellas like that so we roughed him up a bit—hated to do it tho'—he was nice. A cute little substitute showed up, who we had figured would cause us some family problems so we dropped her off at first base—real quick. Another guy, they say controlling things is part of his job, forgot it was his day off and tried to give us the ol' IBM punch—which didn't work—cause we're donkeys and don't hanker to be branded with the Tektronix bug.



Batter Up!

Don't really remember what the score was, those little kids did get a lot of laughs though and so did their folks, so if we left a few bruises—it was just in a days work—no hard feelings fellas and gals. HHHEEE HAAWWW



Jack and Norma Cassidy. Jack just discovered he was guest-of-honor.



The two girls who got away with arranging the whole affair—and right under Jack's watchful eye. Alice Henwood and Vivian Hardy. (Shy, Vi?)



It was a great party! Left to Right standing: Howard King, Bill Ewin, Ed von Clemm, Jack Cassidy, John West, Harry Mayo, Harry Roseberry, Harry Allison, Bill Reich. Sitting, left to right: Bill Kladke, Otto Rothfuss, Jerry Kraxberger, Joe Vistica, Frank Burton and Kermit Fleck.



Well? Let's have the next course. (Harry Mayo).



So-long fellas. Nice knowin' ya. Jack and Jean O'Brien—that's very interesting.

Capacitor Capers

The last six months have seen quite a change in the Capacitor Department. After having moved to a larger location because of the need for more space, more people were hired and nearly the same conditions exist as there were before. That truly is progress.

The Resistor group has grown the fastest with these welcome additions:

Shirley Montgomery, Bunny Wheeler, Erma Chastain, Lillian Hensley, Beverly Christenson, Cora Davis, Phyllis Wong, Frances Kastner, Goldie Greco, Edla Borgen and Joy Parks.

The Pot group was next with **Florence Sandberg, Gladys Schuricht, Betty Beguin, Lou Johnson, Rita Colman, Alice Dorney and Donna Harwood. Dorna Maynard**, who was loaned from Kit Prep for two months, was very much appreciated. She did a very good job for which Mike extends a hearty thank you.

Capacitors welcomes **Emma Glanz, Doris Skeffington, Gayle Schoolcraft, Veretta Schmidlin, and Alexandra Glaze**; also **Ruby Vetsch** who is new to the department although she worked a year previously in the Etch Department.

Shirly Lazuch is wished lots of luck on her transfer to Ed Egan's Photography Department. A good worker, well liked by everyone, Shirley will be missed—hope you'll come to see us.

Aldean Feitush lost a few days due to an infection near her eyes and nose. She was in the hospital a short time but made a quick recovery and came back to work where she was much needed.

Lloyd Morris has gone back to the Hospital after another operation. He needs company and would appreciate your visiting him.

Art Peterson's mother is in Emanuel Hospital after being hit by an automobile while she was in a crosswalk. Her stay in the hospital may be long but is doing fine.

Grace Malone took a few days sick leave. She's the life of our department and things are not the same when she's gone. She has a new Rambler Station Wagon, beige and brown, a gas-saver, which fact she won't let us forget.

A proud mother is **Bunny Wheeler** whose daughter, **Sandra** was chosen Miss Portland.

We don't usually mention vacations but **Deana McFerran** chose a fascinating place to go for hers. **Magic Dam** in Idaho; where she caught eight fish and had a wonderful time.

Louese Jones is getting rather choosy about where she spends her vacations. She has bought a beautiful new boat and not every place will do. They spent their vacation at **Wallowa Lake** which is a wonderful place for a boat but couldn't go to

Lost Lake as motor boats are forbidden there.

Frances Kastner has gone to New York for a Jehovah Witness Convention and will be gone ten days. New York is a wonderful place to visit and we hope Frances gets to see some of the fabulous sights reported to be there.

Besides being an inventor of gadgets and gimmicks, **Vern McAdams** is also a builder. Within two weeks he built an eight foot outboard veneer runabout. He has named it the **Be Bop 4**. He planned to take it to **Pat's Acres** but would not promise any rides. We'll get even!

The department has taken a management suggestion seriously. We like the thought of getting together and getting to know one another so we have held three **Splash Parties** at the **Beaverton Pool** on June 18, June 22 and August 5th. We had lots of fun with the wives, husbands and children all attending and splashing.

About five couples and their families went to **Wallowa Lake** over the 4th of July. The weather was wonderful. Some went fishing swimming and hiking. It's a beautiful State Park, real clean and kept up very nicely.

About as many people were turned away as there were inside the park. Camping is becoming more and more popular. They never would have been allowed in if **Ruby and Roger Carter** hadn't been on their vacation and arrived early. The whole group camped on **Ruby's** campsite which the ranger dubbed "**Carter's Carnival**". We wonder why?

Eight couples and their families went to **Lost Lake** on July 26 and 27th. It's a wonderful place to go. The lake is so beautiful with **Mt. Hood** looking like a cardboard cut-out set up against the sky. No motors were allowed so the kids big and little could enjoy swimming on their air mattresses and lazily drift on the water. Sounds like fun, doesn't it? Everyone found the place except **Ruth Lukens** who had to climb two mountains looking for **Lost Lake**. She was really lost. What would have been a two and a half hour drive turned out to take five. Finally reaching the place, she had a wonderful weekend.

Some of our group went to the dogs again this year. A few came away with more green stuff than they went with. They had dinner at the **Kitchen Kettle** first and then enjoyed opening night at the races. Usually one night is enough.

August 1 was **Friendship Day** in the department. Name tags were worn and at two o'clock break, cookies were served. The Capacitors group were hostess with **Resistors and Pots** as guests. It is a planned monthly event. We hope it will help to get everyone acquainted with all the new people.

CRT SEALING and PUMPING

Here is another group along the line in the CRT Department. They are the sealing and pumping men.

The exhaust group (not exhausted, please) performs two operations in the manufacturing of the **Cathode-Ray Tube**. First—the gun is sealed to the envelope on the glass lathe. Second—the tube is then placed on a vacuum pump which is two pumps connected together; an oil diffusion pump and a mechanical pump.

All pumps are equipped with an electric oven that is placed over the tube after the air has been drawn out and the tube is proven to be vacuum tight. This heating drives out the moisture and air. After two hours (eight hours in dual-gun tubes) the oven is raised and the gun is induction heated by radio frequency to force out any gas that



Reading from left to right in the accompanying picture you see: **Elden Hosler, Walter Luckenbach, Bob Chilson, Karl Narits, John Hewitt, Byron Williams, Bob Baughman, Ron Wold and Ed Cornilles.**

the metal parts may throw off. When the vacuum gauge registers a favorable reading, the tube is sealed off and is then ready to be based and tested.

This department still maintains a swing-shift which is worked out through rotation among the men.

Byron came to us four and a half years ago from the **G. E. X-Ray Corporation** where his work included working on tubes used in making atom bombs. He helps train new employees on the lathe work and exhaust technique.

Ron is our old timer with seven years at Tek, with previous time spent in the shop. He is a glass blower with a variety of interests. Being an ardent rockhound, he also finds time for raising flowers which have found their way to many of our gardens.

John, a Tek employee since 1952, has spent his off hours obtaining a degree in **Natural Science** at **Lewis & Clark**. Last year he completed **Pre-Med and Secondary Teaching** courses. He is a **Hi-Fi** enthusiast.

Walt does both pumping and sealing and has been here almost two years. On his two acre farm

WIRE CLIPPINGS— from Unit W.

Attention professional gamblers! **Rose Avery** bets on the dog whose name strikes her fancy. Proved profitable, too!

Was that a legitimate parking ticket **Hap Flynn** got, or was **Doris Flynn—Meter Maid**—getting desperate for parking violations?

We're happy to welcome these new girls to our department: **Elizabeth Cunningham, Arlene Emmarson, Flo Kociemba, Vivian Weaver, Merrielle Hoffman, Iris Collier, Erma Ek, Donna Brunswick, Dorothy Haines.**

We welcome our new girls to the group: **Rosalie Strongberg, Dick Ensinger and Charlotte Ray.**

Alta Persons spent a week vacationing at **Salt Lake and Yellowstone Park**, also visited relatives in **Kalispell, Montana.**

Mary Ann Lokan returned after a three month leave of absence.

We received word from **Betty Eoff** on arrival of her baby boy, **Michael David.**

Barbara Halvorson is on emergency leave due to neck injuries, suffered in a recent auto accident.

After wiring 517 amps for seven years, **Helen Riley** wants a change of scenery so has transferred to the **Test Department**. We all miss you, **Helen!**

The Ohmaids

The combined groups of **Wayne James and Bud Rasmussen** had a super potluck at the expiration of "**Rich**" **Willbanks** sentence as parts pusher. He will be helping in **Bob Jackson's** and **Stan Saety's** groups and **Bob Williams** has been fortifying himself to meet the challenge confronting him (namely, us).

If gambling is a sin, boy do we have sinners! **Kathy Bryan** was a Nevada visitor recently getting rid of that bothersome loose change that wore holes in her pockets and **Bud Rasmussen** has been keeping pretty quiet if he won any money in California on the horse races. This is one form of gambling in which there is a remote possibility of winning but to gamble with the law is a sure way to lose. Ask **Martie and June** about that. They each parted with several dollars in traffic court recently; we know the cop was unjust as you said but apparently the judge thought you looked loaded (with money, that is).

Maryln Wolever is cheerfully burning calories by the hundreds running back and forth teaching the fine points of soldering to her "charges".

It's so revealing to have "old" help come back and say to the boss, "remember when we worked together" and then go on telling enjoyable little episodes in the life of your supervisor. **Edith** we're glad you are back, and **Bud** you must have kept things at Tek from getting dull in the old days.

If anyone has a problem (of the **Dear Abby** type) call on **Norma Peterson** as she'll come up with the solution.

Our **Bostonian** co-worker, **Betty Carter**, has gone into **Test** and we miss hearing her vocabulary minus the "r's".

Kodak Welcomes Tek Rep.

Ray Lisiecki reported late in May that he had called on the **Eastman Kodak Company**, **Rochester, N. Y.** and discussed growth of **Eastman's** electronics group. A representative of **Eastman** informed **Ray** that **Tektronix** was an excellent company to do business with.

Eastman's view is that even if requirements are such that a cheaper scope might do, they will still purchase a **Tek** scope to insure long time stability and dependability. **Tek** field people are well received at **Eastman.**

(An **Eastman Kodak** product, the shield for the front panel, was featured in a color ad that was posted on all bulletin boards in the plant during the last month.)

INSTRUMENT SERVICE

Transfers

- Pete Unger** to Engineering
- Pius Scherr** to Manuals
- Gene Elliot** from Customer Service
- Vic Fricke** to Field Service
- Stan Foss** to Engineering

So, Hi! to **Gene** and see you around to **Pete, Pius, Vic and Stan.**

SHUTTER FLICKERS - PICNIC TIME



Watermelon munchers.



Showin' some horse sense.



Stteadd yy Girlll!!



Democrats and Republicans



Shade- Sun-Food and Family.



Legs—Male type



Elsie says Whoa!



Sir Walters and Ladies.

FINAL FOLLIES

The ranks of bachelorhood are a little thinner in Final this month, after the weddings of Dave Anderson, Final's Stock man, and Dennis Binkard, oarsman, first class. Dave was married on the 19th of July and Dennis met his doo-uh, —took his vows on the second of August. You'll like it fellas, it's a great life, really.

This seems like a good spot to say congratulations to Cliff Wilson and his wife on the birth of their new son, born on the second of August; and to Mr. and Mrs. Ted Eisenbraun, too, who had a daughter.



The reason I'm starting a new paragraph for the announcement of Bob Hart's new daughter is that her arrival was somewhat more spectacular. Bob left work when his wife phoned him, with the intention of taking her to the hospital. However, he called us a half hour later to say that he had delivered the baby himself! You know, practicing medicine without a license is a serious offense, Bob. Better put it back and call a doctor!

Automobile racing is getting more popular in Finals. Frank White is now driving in jalopy races, in partnership with Carroll Wright. Another Finaler, Bob Carroll, has been at it for quite some time; now his wife, Coleene, is driving in races. She won first place in the "Powder Puff Derby" race Sunday, Aug. 3rd at the Portland Speedway. There are others in Final who enjoy racing jalopies, although their activities are not confined to the track. Oh, well; some people collect stamps.

T'WAS COLD OUTSIDE

The chorus of snores was cut short at 2:30 A.M. by a wild scream of "wake up! wake up! the tent's falling down". The pressure of a buckling center pole against the caller's leg had given warning of the impending collapse that was being assisted by 500 lbs. of tent and snow. Slow motion of sleep walkers took on the scene of flailing arms and legs to stop the progress of complete collapse.

One wild man dressed in long johns, boots, gloves and stocking cap went racing out from under with an axe to begin swinging at the nearest tree while a shivering cohort held a glaring lamp on high. Soon, into the tent came the sharpened pole and amid grunts and heaves and hos and a shower of snow, up she goes!

Nothing left to do, but to eat breakfast and go hunting. Boone and Crockett style.



Several of our people are boating enthusiasts, too. Among these is Jerry Gillaspay, who has an eleven-foot runabout in which some of us have ridden. Jerry gives his passengers quite a thrilling ride, he fancies himself a 1/2 scale Guy Lombardo. As said before, there have been many in Finals who have taken a ride with him, one ride that is, nobody ever asks for seconds.

Dick Forsyth built his own boat. It is a sixteen-foot runabout and very nice, too. Dick put it in the water on the 12th of July and it still floats!

Here's a welcome to the following guys who are new in Final: Dennis Crop, Whitey Emerson, Verle Guffy(Kenny Hedin, Ron Mack, Bob Mead, Robert Moulds, Dick Compton, Don Reeves and Don Tucker. You, too can find a home in Final!

As long as I mentioned Don Tucker's name, I'll go further and say that he is planning to be married on the 16th of August. Best of luck, Don.

Congratulations to Lee Wagner on the occasion of her 27th birthday. Lee came to Tektronix in 1952 when she was 25.

Along this time of year, most of us are planning our vacations, or have already taken them. At any rate, it's good to remember that there are many more people on the roads and highways now than there were a few months back and some of them drive only in the summer, it seems, so put a little care in your driving this summer, your vacation is a heck of a time to get killed!

Fashion Revue



Unidentified neighbor, Betty Abbott, Erna Normet, Faith Lopresti, Carol Weik and Anne Bloedon.

A group of the gun wiring girls from CRT were guests of Faith Lopresti at a "chicken" barbecue July 19. The barbecue sauce was superb, but the high interest of the affair was a preview of fashions which may be worn in the big picnic contest.

Faith blossomed out in a bare shouldered, above the knee, balloon dress, complete with headache band and lots of beads. Carol Weik ballooned also in a crimson and pink creation with headache band and bow. Erna (Frenchy) Normet sashayed in a flounced, printed chemise, hobbled at the knee. Anne Bloedon wore a chemise with "Crown Flour" printed across the front side. Betty Abbott went in a red and white checked chemise street creation. Anna Haas, who took the picture, was the old fashioned girl in a sundress.

CABLEGRAMS

There was a young girl we'll call Mable
Who spent all her time lacing cable
Except, I admit
She did gossip a bit
And always believed every fable.
Now one day when the weather was hot
Some friends shook her up quite a lot
with a bit of a hoax
—luckily she likes jokes!
and forgives, tho' admits she's been got.

The Cable girls are not quite their usual cocky selves these days. We tho't we had the ole schedule licked, but due to some sickness, always unexpected, we have had to drag a few ten hour shifts too, and it has taken some of the wind out of our sails.

We have some new faces amongst us. Jean Pearson is back and looking beautiful as ever. Lil Walker is back after a three year absence. Some changes, eh Lil? Joan Stevens, Ollie Vanderberg and Montie Wallis are all new to the department. We have lost a couple of girls too, Wanda Sheets is now in Delay Lines and Audrey Critchfield in Shop.

The only birthday reported in July was Margaret Hauman. She didn't get to eat the huge cake all by herself tho'.

Ruby and George Miller and their children Paul and Susan had a grand trip East. They visited George's mother in New York and said hello to the Statue of Liberty and Yellowstone Park.

Gerd Schwerin was up dipping and diving in Canada's Crescent Lake during one week of Ruby's vacation. Two bosses gone!...but we managed to behave very well, they left Tom Sly to look after us and we were so good he never quit smiling.

Marlene Warneking started something when she treated us to cup-

cakes frosted with pink and blue booties. A few days later a similar treat was provided by a couple of clowns. What buzzing! It really shook us up. Wonder if the hoax has been figured by the time you read this?

Better not ask Mary Losli to take your kids swimming for awhile, Recently she and her son Charles rescued a neighbor boy from a near drowning and she has hardly recovered from the experience.

Craziest gripe I have heard lately is from Pat Hart. Her husband is bringing home too many fish. With the help of her sunburn and a few snapshots she has me convinced that he didn't catch them all himself. What bait did you use, Pat?

The diehards of the department had a picnic at Shultz Park in Hillsboro on the hottest day of the year. I guess they had a good time. The talk was of fried chicken, roller skating and swimming. The rest of us admit to flopping under the nearest shade tree with something more cooling.

Sorry boys, that diamond sparkler that Fran Gamon is wearing is for real. The lucky boy is Art Bull an athlete of Portland University who is studying to be a coach. They plan a fall wedding for Oct. 18.

Margaret Hauman gives a special warning about frayed extension cords. Seems her children had the radio out in the yard and a long extension cord that was badly worn was laid over a tarp... well, a good thing the boys were alert fireman to man the water buckets or Maggie might be going to another home.

Jo and Hal Bailey welcomed a daughter on the 31st of July. Name; Joyce Ruth. A new girl for Cables! just what we need.

TEST NOTES

The month of July was marked by numerous expeditions into Calif. by members of the Test department. Mr. and Mrs. Warren Collier returned recently from an auto trip that ended in Santa Anna with a visit to Warren's parents. On the way down, they took in the sights such as Crater Lake, the Redwood Highway, and San Francisco. In West Los Angeles, Warren stopped in at the Field Office to visit Duncan Doane, Field Engineer.

Another means of travel, the Flying Club's Tri-Pacer, carried a party of four down to Frisco for a quick visit over the weekend of July 27. Roger Haight, the pilot, reports that a total of 1500 miles were covered in 14 hours flying time. Dick Pooley, Earl Scott, and Harda Kauk were the passengers. Earl and Harda stayed in Frisco while Roger took Dick on to Fresno. Refueling stops were made at Red Bluff on the way down and at Oakland on the way back. The flying part of the trip was uneventful except for hot weather on the way back.

Harry Stewart feels that air-conditioned Rambler is the only way to go to California. He and his family enjoyed cool driving in all weather and convenient car-bed camping in their Rambler on a trip to Pasadena and other California points the first two weeks of July. Harry states that they viewed the big fish at Marineland and the small fry at Disneyland.

Doeke Gerbracht may have his vacation activities all cut out for him this year. He and his family moved into a new home July 19.



Chet Murphy has been at the receiving end of some jibes recently. This 'modern' art treatment was intended to irk the Murphy, who is outspoken against such things as the Bunche Mural at the new Airport. Chet's paintings are a part of the decor in many offices throughout the plant.



Typical of Test-type humor is this chalk-talk of a confused caibrator. Artist? Bob Trowbridge poses with —likeness.

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EXPORTED TO PALO ALTO



Ada May Wilson, formerly of Export, now in Palo Alto sends word that she is happy with her new home and already fond of Margaret Johnson who's been a busy bee giving some of the other field girls a hand with pointers that she knows so well.

Ada's two little sons joined her older boy and herself in Palo Alto early in July and they are settled back into a routine of sorts.

TRANSFORMERS

New men we welcome this month in Transformers include Raymon Heesacker and Marvin Wagner.

Small cars seem to be taking over the headlines. Sporting new European cars recently are Gordon Sloat, a Morris Minor. Bruce Adams beaming over his new Sunbeam. Ed Cornilles traded in his recently purchased Mercury for a little mileage making Voxhaul.

Over hill and dale, through chuckholes, breathing tons of dust, creeping around blind corners, meeting rabbits and deer on the road, on and on you rumble wondering if there is an end to the road or if your car can make it. Finally out of nowhere appears a bubbling waterfall with a crystal clear pool and you have arrived at Lee Falls, 3 miles from Cherry Grove. A Mid-week picnic was enjoyed by many Transformer people along with swimming and just plain loafing in the great outdoors.

Beaming over their new son are Doug and Jackie Robinson. Mark Farr was born July 30th weighing 6lbs 13 oz. Mother and son are doing fine.

Investment Club

Beggars Dozen

President George Roussos
Vice President Jack Stoll
Secretary Robert H. Johnson
Treasurer Cullen Macpherson

The club has two openings for new members. Any interested person may contact any of the officers for further information.

Investment Clubs Consolidate!

To further their investment potentialities, the Fortune Hunters and the Wall Street Adventurers, investment clubs, have consolidated their securities and assets to form one club. The mechanics of merging were worked out through a joint committee of the treasurer-agents and secretaries of the two clubs. The club has new by-laws and newly elected officers. All this has sparked enthusiasm and formed an experienced group of people into a new aggressive investment concern.

This new club, known as Wall Street Adventurers, follows a complete set of accounting records and is one of the few clubs to give individual members detailed information for tax purposes. The club has realized a 10% book profit for the first 7 months of this year. Investments are made primarily for long term growth and most members have retirement or other long range plans for their share of the club assets.

Persons desiring more information about investment clubs are urged to see Ed Kiepke or Bob Duhrkoop, Beaverton plant; or Vernon Walker, Sunset plant.



OVERSEAS DISTRIBUTOR FEATURES TEK INSTRUMENTS AT SHOW

Editors Note: Although bearing a somewhat belated dateline, the efforts of our Overseas Distributors in exhibiting Tektronix oscilloscopes to our world-wide market is always a timely topic of interest to the employees of Tektronix. Through our Export Department we hope that more interesting activities will be reported from abroad. Our thanks to Hans Montag and Friedrich-E. Spitzner of Rohde and Schwarz Vertriebs-GMBH our Overseas Representative in West Germany for their description of this exhibition.

The background of the photo shows a transmitting-mast constructed by Rohde and Schwarz which was photographed and "blown-up" as a background for the instrument display.

The INTERKAMA took place from November 2-11, 1957 at Dusseldorf within the wonderful exhibition area near the Rhein. The word INTERKAMA which stands for International Congress and Exhibi-

tion of Measuring Instruments and Automation indicates the professional status of the fair.

The total number of exhibitors was small in comparison to the German Industry Fair held at Hannover each year. At Hannover you can count several thousand exhibitors while the INTERKAMA drew only 300. The Rohde & Schwarz exhibit was situated in the center of all buildings and occupied a 450 square meter area which took up a complete hall. About 80,000 visitors from sixty-five countries were counted which is an impressive figure when it is remembered that these were all interested specialists. At the Rohde-Schwarz booth over 800 visitors showed serious interest in the instruments exhibited, requesting demonstrations and offers of sale.

The INTERKAMA is planned to be repeated every year and is an outgrowth of industry in instruments such as the Tektronix Oscilloscope.



From left to right: Mr. Montag, manager of both Rohde & Schwarz's Import Department and one of their six branch offices. Mr. Briant, an independent architect who carried out the building and artistic treatment of the stall at the show. Mr. Major, on the right, is one of their distribution-engineers whose function is carrying through technical instructions and solving engineering problems with customers. Mr. Major was responsible for setting up equipment and demonstrating during the fair.



Another photo to give an idea of the treatment given to the Rohde & Schwarz instrument display at the INTERKAMA.

Health Meeting Attended By Tektronix Reps

The fifth annual Pacific Northwest Industrial Health Conference held in Portland at the Multnomah Hotel, Sept. 8th and 9th was attended by a group of Tektronix people.

Our two nurses, Lucylle McLain and Lois Addington; Safety Committee Chairman Ash Ashenbrenner, John Taylor, Assembly Department Head; and Don Kepler, Personnel Director were registered for the two day meeting. Dr. Harrison and Dr. Smith from the Beaverton Medical Clinic, our medical consultants; Bill Webber, vice-president in charge of Administration and Dick Pooley, Test Department Head attended parts of the two-day session.

TOUR OF TEK TAKEN BY RUSSIAN — POLISH MEN

In the United States under the auspices of the American Friends Service Committee, to attend a four week seminar in Woodstock, Vermont on the subject "The elements of peaceful cooperation in a world of diversity", four visitors journeyed west and included a tour of the Tektronix plant on their itinerary.

Youri Zamoshkin, Ph. D. Social Psychology, USSR; Vasili Borisenkov, Ph. D. History, USSR; Tadevsz Kalinowski, School of Diplomacy, Poland; and Dionizy Such, School of Diplomacy, Poland were taken on a tour of the Sunset and Beaverton plants by Jack Day. During the two hour tour Jack told them about profit-sharing which seemed to "shake them up". They wondered what was to prevent the owners from stopping it at any time.

Forty-two students from twenty-five countries attended the seminar. Our own Mike Munk of Portland, son of Dr. Frank Munk of Reed College was one of six American students in attendance.

FRENCH DISTRIBUTOR HERE FOR SHORT VISIT



Monsieur Maurice Parisier

Mr. Maurice I. Parisier, our overseas distributor for France, recently spent a few days at Tektronix. During his stay here, Mr. Parisier toured the Beaverton plant and visited with Howard Vollum, Byron Broms, Frank Thomas, Will Marsh, Chuck Gasser, and the girls in the Export Department.

Mr. Parisier also planned to attend the Wescon show while he was on the West Coast.

He was recognized by his native country, France, early this year when by decree of the President of the Republic he was named Chevalier de la Legion d'Honneur. The award was given by the French Government in testimony of his outstanding services to French technology in the United States.

INSTRUMENTS SHOWN AT PAN-PACIFIC IN L. A.



The WESCON show, annual trade show of the electronics industry on the west coast was held this year in the Pan-Pacific Auditorium area of Los Angeles, Calif. Sponsored jointly by the West Coast Electronics Manufacturers Association, and the Institute of Radio Engineers, the show is held in alternate years at the Cow Palace in San Francisco. Hundreds of exhibitors showed their systems, services and manufactured items in the Auditorium and in large circus tent enclosures on the grounds between the buildings.

Jess Gard, John Kobbe, Bob Mitchell, Bill Myers and Dick Ropiequet from the Engineering Division; Warren Collier and Glenn Parks from the Production Division; Dal Dallas, Will Marsh, Paul Belles and Ken Ireland from the Marketing Division and Howard Vollum and Jack Murdock went south from Portland for the show. In addition to Ed Bauder, Western Division Manager and the West Los Angeles people who were resident hosts for the visiting group, field engineers Bob Browning and John Mulvey from East Los Angeles, Sandy Sanford from Dallas, Texas and Dick Ellstrom from Phoenix attended the show. Following the show, Bob, Sandy and Dick came on to Portland for a 're-calibration visit.

Paul Belles popped in to see that the instruments handled so carefully by his boys in Portland were received in perfect condition and well displayed.

A real eye-stopper this year was the display rack designed by Ken Ireland of our Manuals art group. Ken came down to assist in the set up of the rack that was built according to his design and executed mechanically by Archie Yergen and company of the Engineering Division. The rack was aluminum for the most part, with some metal panels and some masonite used.

Last minute delays which were being experienced by all shippers on the coast because of the trucking industry strike caused some hectic concern at the start of the show. The only other negative note was the weather. It was very hot in Los Angeles and at peak visiting periods the atmosphere became quite oppressive. (This of course called for a swim, which Will Marsh says he enjoyed very much up to the point that Sandy Sanford entered the pool....there's hardly anywhere that has enough water for the both of them! There's something about these Texans—always in for a big splash.)

Instruments shown at this show included the Types 551, 526, 502 and the 555. The new Type 555 is a Dual-Beam Oscilloscope and is essentially two complete fast-rise oscilloscopes with a common dual-gun cathode-ray tube.

Two other exhibits attracted much attention during the Wescon Show. The Art in Electronics show featured a large room full of entries. The two Tektronix entries, Vern Bartlett's sculpture in plastic and Ida May Norbey's wire-clipping still life did not take any money but according to Will Marsh's personal appraisal were equal in effort and ingenuity to others in their category. Novelty items seemed to catch the eye of many viewers as opposed to the more formal art treatment.

A second attraction sponsored by the West Coast Electronics Manufacturers Association was the FUTURE ENGINEERS AND SCIENTISTS exhibit. High School students from all over the west enter exhibits at the Wescon each year and attend with their instructor. It was noted that there were several rather mature exhibits from the standpoint of technology and workmanship. One especially was scientifically sophisticated and was following close behind some current scientific investigations on the electro-magnetic "pinch effect". Students selected to bring their exhibits have an all-expense paid trip and receive a \$25 Bond. Competition is sparked by a \$1500 scholarship as the top award.

During the show, Jim Cook took Will Marsh down to U.C.L.A. medical school to show him what a group of scientists are doing there. Rather exhaustive investigations are being made on the kinetics of muscle fibers. This study is being carried out, Will said, by a very interesting group of scientists—some of them exchange from other countries and all of them, specialists in their own fields. The investigations deal with the energy efficiency of the hair-like muscle fibers and accurate measurements are made of the amount of work, and rate of work done.

All the group of the Tek engineers attending also made the trip to U.C.L.A. two days later with Jim Cook.

The Los Angeles branch of the Tektronix family tree also includes Taffy Kroeger, East Los Angeles field secretary and the West Los Angeles staff of Dunc Doane, Francis Frost, Fred Butler, Carl Helmer, Ralph Mathews, Gloria Dreice, Vida Forbes, Ann Hench and Jan Woodyard.

There isn't much you can buy with 7 cents a day—unless you buy the United Fund way

Tek Talk

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DOUGLAS SNELL
6-16-27 — 8-26-58

Many at Tektronix were saddened by the untimely death of a friend and fellow worker, Doug Snell, on August 26, 1958 at the age of 31. Doug was told in May of this year that he had the as yet unconquered disease, leukemia.

We all hope that soon science will have an answer to leukemia and the other forms of cancer. The organizations engaged in the fight against these diseases deserve your support.

Doug started in Test in February 1956 as a calibrator and for the past several months was a Test Quality Control man. He served as a Group Representative from Test for a year and a half. He was known to many because he taught the Tektronix Elementary Electronics course for some time in addition to teaching at Multnomah College.

He liked travel, camping, and archery and was very proud of his fine family. Besides his wife, Carol, he had two children, son Dale Douglas age 4, and daughter Robin Carol age 15 months. The family lived in an attractive new home purchased in 1957 in Garden Home.

Doug will long be remembered in the Test Department for his always good humor which contributed in good measure to making his work area a happy place.

—Earle Pahlka

Let's Talk About The United Fund

The call for everyone's help in attaining the goals of the United Fund this year is made at a time when the whole program of united-giving is in serious jeopardy. My own feelings about the idea of one campaign for all community agency needs have not changed since the early days of Tektronix. It may be recalled that soon after we began employing more than a few people (in 1948-49) a steady stream of fund-raisers began knocking at our door to solicit people where they worked.

It did not seem sensible that all these individual efforts should be allowed to reach the employee at his work without his consent. At that point, Tektronix offered to collect the money, and issue one check to each fund-raising agency for the employees. The decision to do this came while others across the country were arriving at much the same conclusion. From this beginning, pioneered to an extent by Tektronix in Portland, the United Fund way of giving has grown. Last year about 72,000,000 people in the United States gave the United Fund way.

This year there might be tougher sledding. If the withdrawal of the American Cancer Society from the United Fund is followed by withdrawal of other agencies that feel they can 'go it alone', the whole United Fund idea would be in serious trouble. The American Cancer Society's decision to withdraw was undoubtedly based somewhat, on the feeling that they could do as well on their own as the March of Dimes.

The reason that such agencies feel this way can be traced back to the opportunity shown them by many employees who, given a chance to apportion their gift, have marked a portion for these agencies way out of line with their relative needs as compared to the whole community needs. For example, a one-fourth share to March of Dimes while three-fourths went to 71 other agencies. If everyone gave this way it could work to the detriment of the efforts of our whole tri-county community.

The United Fund way is based on making the whole community a more healthy place in which to live. Giving is also shared properly by all members of the community. If agencies such as those supported by the United Fund did not do their work for lack of funds, then only we, as individuals, would have to take care of our neighbors in need—and, at a far greater personal cost.

As one United Fund pamphlet reads, we should all consider whether we want to "go it alone—or go it together".. Volunteer fund raising makes it possible for agencies to continue their work without interruption for individual agency fund raising activities which because of overlapping makes the total community cost higher.

Tektronix's part in the United Fund program this year is indicated by a few facts:

Tektronix is among the ten largest corporations in the area.

Last year as an average on a per-capita basis we gave, as employees, about \$11.00 per employee.

In contrast, Y.M.C.A. workers in Portland who earn comparatively a lot less than most people at Tektronix, gave, as the average, about \$51.00 per person. We should possibly take a tip from these people who are close enough to the services provided to appreciate the real needs.

The 1959 United Fund budget is 12% higher than last year. This is brought about by the normal increase in the needs of a growing community.

Various "guides to giving" have been used in brochures and talks on United Fund. 1% of total income for the year, 1 hour's pay per month, or 7 cents a day as an all-around average. All they're saying is that the approximately \$3,000,000 needed this year, if averaged over all the income-producing people in the community would work out to these figures. If we don't give our fair share someone else will have to give that much more.

Related to working time, one hour a month would figure out just a little more than one minutes time in each three hours. Since people at Tektronix don't go longer than three hours without a coffee-break, we could think of this as representing 10% of each coffee-break. The company feels no misgiving about providing a ten-minute coffee-break for our employees who probably are not as much in need of a break for coffee as the people served by the United Fund are in need of the multitude of services provided by the 71 agencies belonging to the United Fund.

If we would all give at least 1 minutes pay out of each 3 hours worked, we could then be as proud of doing our share as we are now proud of our corporate stature in the community.

Jack Murdock

TEN YEAR CLUB GROWS

The Ceramics Department gathered around on the morning of September 3rd to give honor to a pair of ladies who know the story of progress at Tektronix first-hand.

Doris Kelly started with the company on September 8th, 1948 at the 7th and Hawthorne Plant in Southeast Portland. She was the first girl to start in the department headed, "Mechanical". The only instrument made at that time was the Type 511. As the department enlarged she trained new girls for the work. She has been with the Ceramics Department now for three years. Doris served many months as a Group Representative and helped gather information about the summer camps that was helpful in setting up the annual fund accumulation from vending machines that goes toward campships through the Com-

munity Council.

Doris's family is now comprised of her mother and a son in the Air Division of the Navy, his wife and four grandchildren. She's fond of her pet dog, a Peke. She collects dolls from around the world, salt and pepper shakers, coins and stamps.

Helen E. Ross passed her tenth mark on August 28th. She worked first in general assembly work at the Hawthorne Plant and then in Shop on the bakelite parts. She has been in Ceramics now for about 3 years.

In 1950, Helen took honors in the Golf Tournament winning the cup that year. Included in her interests are fishing, hunting, bowling, photography and rock hunting. Her family includes her mother, a sister and a niece and nephew.



The Ceramics Department 'coffeed and caked' the veterans. Helen is about ready to cut the cake, and inset shows Doris serving Howard Vollum, who happened by during the festivities.

Another Tenth Year Noted

Gene Brink celebrated her ten years with Tek on August 23rd. She started with the company when they were at the Hawthorne Plant. She has worked a little in Shop and at wiring switches. Her job now is on the engraving machine that is used in scoring the graticules and dials. Some of this is done by machine, some by hand.

Before coming to work at Tektronix, Genie worked in the shipyard at Vancouver, Wn. She was born in Montesano, Washington and attended Battleground High School. Two years were spent at an art school where she took up ceramics and the use of a potter's wheel. Hobbies include clam digging and hiking. She is a quiet person and easy to work with. Congratulations, Gene!

Teks Invited To Discussion

A ten week adult discussion group on World Politics will be given this fall at the Cedar Hills church, 11695 Park Way, on Tuesday evenings from 8-10 p.m. starting Oct. 7th. All Tektronix personnel are invited to attend this stimulating series.

Discussions are based on the writings of some of the world's outstanding experts on political affairs. These readings are contained in a set of books you receive when you register for the series. Among the subjects to be discussed are the causes of war, the relationship between the state and the individual, democracy, power politics and ideology, international organizations and work government.

A brochure, which will give you more details about the program will be mailed to you if you phone CA 3-2822, or Marge Guthrie, Ext. 398.

Groups in American Foreign Policy, and American Democracy also open to Tektronix personnel will be given this fall at Reed College starting the same week.



A letter to the Editor

Dear Tom,
Oncet upon a time the Mechanical Design (model shop because we're such MODELS) had a picnic about which I was going to write a leetle story, and introduce everyone to one of our new Teks, Burt Cathery. Well, I recon as heow the time has past and then more time has past and all of a sudden-like, I discovered we're into September with school children running thither and hither and bringing notes home with please remit \$\$\$\$\$\$ for this "n that and can I get off the bus with Janey, Tohmy hit me, Mom, d'you know WHAT?, etc.



Burt Cathery

We uns went to a picnic down at Ft. Stevens State Park the 27th of July? or was it June? Gosh! I can't remember. I'm not even sure it was the 27th. Come to think of it, it wasn't. How do you like this for journalism? I'd be a heck of a witness.

So—now that we are on our way—we were the first ones at the site, sight. It had previously been agreed that first come, first hunt for a picnic site for about 30-odd, unusual, fairly normal picnickers.

Finally people started coming and then Bert, or Burt and his pretty French wife, Marlice, showed up with Bruce, their charming young son. He has his mother's French charm. He sure is a cute little rascal. Art Enright, Clarence Jones, Pinky Fowler and Lee Crowell, barbecued the chicken. Art made the sauce and you wouldn't believe me if I told you what he put in it, so I won't—but have you noticed that that big Boxer is gone that used to hang around the plant?

We had so much wonderful food. Al Stewart was to bring a coffee pot but he didn't show up so I made coffee in a pot and Marlice was the only person who appreciated my coffee. (Of course, she's French and used to strong uh, coffee.)

Of course, Tom, you can't possibly print a word of this so I'll tell you what—I'll ask Burt a few subtle questions and write a real story one of these days—maybe in time for next years' picnic.

I just wanted you to know I hadn't forgotten. —Icel (Ed Note:)

Dear Icel, I know you hadn't, am looking forward to a Real Story—Tom



Instrument Team Tags Compounds

By teaming a new type of mass spectrometer with vapor phase chromatography, Dow Chemical Co. (Midland, Mich.) has come up with what it describes as a very rapid, efficient method of analyzing volatile organics. Key component: a Bendix Time-of-Flight mass spectrometer (Model 12-100) that scans the spectrum from mass 1 to mass 600 at the rate of 2,000 times/second (10,000/second, with slight modification). As in conventional chromatographic analysis, the test material is partitioned in a

packed column, analyzed quantitatively as the components emerge in order of their ascending boiling points. Qualitative analysis is obtained by routing sample components to the spectrometer as they are being separated. Identification is made by visual observation of the spectrum on an oscilloscope screen, or by comparison of a spectrophotograph with the 4,300 standard mass spectra in Dow's files. Mixtures of up to 36 organic compounds have been identified by the new method.

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WHOLESOME RECREATION
—Boys, and girls too, need wholesome recreation. They get it through learning how to swim, scouting, neighborhood centers or through the "Y". Your UF pledge helps provide this guidance through activities like these.

DEAR-BESSY?

Last month Tek Talk asked for interest in a column of letters or questions to a fictional character for an answer. We might extend this to include questions on the more serious vein, but at least here is the first response. It is expected that questions sent in should be signed and answers, if serious in nature, will also be identified with a by-line.

DEAR BESSY:

- Q. What is resistance?
- A. The ability to "No at All".
- Q. What is inductance?
- A. Being drafted into service.
- Q. What is capacitance?
- A. The amount one can drink before passing out.
- Q. When my boss goes by, I get goose bumps. This is embarrassing, what shall I do?
- A. Put on a shop jacket or ask boss to walk slower as he is causing a draft.
- Q. I am a single woman and work in an all girl department, so I never meet any men, what can I do to improve my situation?
- A. Transfer to photography and see what develops.

This contribution was from the Capacitors Department, who's next?

COMPONENT TEST — KIT PREP



August 4th was the day Jim Tennyson and Marvin Sprecher were honored with a pot-luck. The occasion being Marv's coming into Kit Prep from Mechanical and Jim's transferring to Accessories. Jim had been with Kit Prep nearly two years. The usual gift was presented (see photo) and all wished him happy landing in his new department.

Vera Sigler and daughter Eileen went to Fort Ord at Monterey, California to visit her son Roy Shuell over the Labor Day weekend.

Vi Hawes and her family vacationed in Canada the last week in August, as did Cleo Binkerd and her family.

Lorraine Loggins is home recuperating from a major operation. She hopes to return to work around the first of October.

Mary West gave birth to a 9lb. 15 oz boy on August 31st. He was named James Michael.

CRTeezers



Ella Hansen



Carol Ann Weik

Carol Ann Weik has been floating around on a stream of electrons for over a week now. The flashing light with her is not really a loose electron,—it is a lovely diamond ring worn on the left hand. Several close friends organized a CRT surprise shower for her. The event was held during lunch hour in Bob H. Johnson's preproduction department. The table was very pretty with floral arrangements, tulle, tiny bells, shining silver and candles—not to mention cakes, and cakes—elegant, pretty and ummmm.

Carol has been with Tek since December of 1956, always in CRT. Recently she was selected to work with the semi-conductors group. She'll be missed in Jack Neff's wiring group.

The date of the wedding and place is secret—but the man is Jack Lusher and they'll be wed sometime in September. The Gun Wirers are puzzled, nobody would play any tricks,—so why take this precaution to protect your Jack, Carol?



Sports Enthusiast—

Ruby Hutchinson

Call her Snow White or Rose Red—it all depends on which part of her face you see first. The combination of new sport car, sun glasses and hot weather has left its mark on Ruby Hutchinson of CRT. It's quite apparent on Monday Morning that her week-end has been spent in the MGA, sans top—just like Rudolph, the Red Nosed!!

Ruby has been well bitten by the sport car bug—and is quite a girl on a Rally. In just three entries, she has had a sixth place and two second places. This is an enviable record that quite a few experienced Rally entrants would like to equal.

We're all anxiously awaiting winter's icy blasts, when Ruby (true enthusiast to the end) insists that snow, rain or ice—the top will not go up!!

The Small Parts department of CRT had occasion for a get together in form of a surprise house warming for Phyllis Poe. Phyllis and husband Master Sergeant Bernard and three sons are enjoying a new home in Hillsboro. A gift of a flowering cherry tree was presented by the group.

After an enjoyable evening the guests departed wishing the family much happiness in their lovely new home.

Ella Hansen was surprised at noon on the 28th of August by 100 associates who wished her well on her birthday with a hundred cards and a huge cake cut in 100 pieces to share with the well wishers.

The surprise was very well planned by Bea Probst and Laura Lusk. The cards formed an interesting back drop for the cake and flowers. The cake decorated to match fall flowers was flanked on each side by lighted candles, shining silver service to the front and side and a chinese vase in back filled with mums. Erna Normet furnished and arranged the flowers. All of CRT wished Ella a very happy day.

Lost Tek Found



Lou Thomas

It had been over four months since 'Mrs. Laughter' disappeared from the wiring group. Quiet questioning, strong-arm methods, tactics just short of blackmail, brought no results. Mrs. Laughter was still missing.

Then it came to light! Sales, Parts, Export, Field Offices, and Purchasing had ganged up. 'She' was being held in the TWX room (see the March, 1958 issue for explanation of TWX). Securely wrapped in yards of weirdly printed paper (disgorged by mechanical monsters stationed around her), bells to dictate her every move, and the watchful eyes of the department's personnel to check her every attempt to escape, 'Mrs. Laughter' (alias Lou Thomas) was a prisoner. But a prisoner by her own choosing, we found.

Lou was picked to fill the need of the many growing duties of the TWX room. Eleanor Ross's right-hand gal, now, she's enjoying each new accomplishment. Her bright spontaneous laughter isn't entirely confined to the TWX room, either. She lends a truly helping hand with the filing for the Orders and Billing group, who enjoy her very much.

An unfortunate fall recently has kept Lou away from work, it is hoped her recovery will be swift.

Ceramics Greet New Tekes

Now that our department is recovering from its "growing pains", we would like for everyone to know the names of our new girls. Here they are:

- | | | |
|-------------------|--------------------|------------------|
| Margaret Hitchman | Agnes Higgins | Dorothy Neidigh |
| Pearl Turney | Marjorie Davis | Paula Sweynor |
| Cleo Haag | Barbara Farber | Leah Barker |
| Carol Nichols | Linda Jo Vrooman | Valborg Wilkie |
| Raidene Curry | Phyllis Hingston | Anna Velund |
| Jeanette Weverka | Marylin Prickett | Sally Sweynor |
| Ella Aelno | Nancy Longway | Karen Willis |
| Ethel Gribner | Carol Cosby | Aljian McLaurin |
| Muriel Cimino | Bonita Nance | Doreene Schwab |
| Murle Schroeder | Ruth Brooks | Dolores Kaavrvai |
| Sharon Crook | Kathryn Tsang | Louise Hamilton |
| Rosa Alton | Hazel Gillis | Ida Hormecker |
| Laverna Hepner | Marcella Wakefield | Virginia Logan |
| Laura Graham | Shiela Clark | Hazel Logan |
| Mishka Hart | Myrna Poe | Mildred Whitmore |
| | | Carolyn Gorham |

Two others called back to help us out are Maxine Bergeron and Ruby Sibert. On the distaff side are Harry Fuller, our tunnel Kiln tender, Ron Janson and Darryl Fowler. WELCOME TO ALL.

Three softball players from our department, Janet Hoodenpyl, Janet Ruhlin and Joyce Braukman tripped via plane back to Connecticut to play in the Women's World Softball Tournament.

Cablegrams

The Cable department wish to go on record as having the busiest August ever. A few of us had our vacations—the rest of us enjoyed those one-day weekends.

All who attended the company picnic had lots of fun and eats but the only prize we seem to have copped was won by Charlie, husband of Ella Beaver in the Men's Leg Contest. She says she can hardly live with him now. "Him, and his skinny legs!"

We have our share of Romance. Ester Sypes became a mother-in-law when her son Monte, better known as Copper, married on Aug. 23.

Irma Jackers and Art Braezile slipped over to Vancouver, Wn. and were married August 18.

Our prize catcher Monte Wallis injured a finger August 26th while playing softball. She has had it in splints every since.

I have counted four vacation trailers in the department not to mention tents, boats etc., but I think the prize should go to Lorena Miller who took grandma and the Kids to camp and then commuted to work. Vacation? Well, sort of.

We welcome back Lil Walker after a three years vacation. We have met her young son Ken and think he was worth it.

Glad to have Jo Bailey back again, she didn't bring daughter Joyce as she had promised tho'—claimed she is too lazy yet to work just sleeps all the time.

Welcome also to Joan Stephens and welcome back to Grace Hamlin and Lois Rowlands.

Sorry, no cupcakes this month!

ACCESSORIES

"You Name it, We Make It" by Reta Anderson

A surprise shower held at June Skelton's home for Zania Patrick was an event of the past month. Zania was married on August 2nd to Larry Cardwell.

A pot luck dinner was held in honor of Jim Tennyson who is with our group again and a farewell to Buzz Brookens who has transferred to modifications. Good Luck Buzz.

We had a lot of enjoyment preparing for Gene Brink's tenth year celebration which included a surprise dinner in her honor.

A welcome back to Ruth Whitaker who has been ill and underwent surgery.

Grace Sherbeck lost her daughter Janene but gained a son-in-law, John Larsen on August 2nd.

Florence Shade's daughter Bonnie joined the Air Force and is stationed at San Antonio, Texas.

Would like to welcome the following people to our group: Ted Buckley, Jim Tennyson, Rodger J. McCoy, Charles M. Nash, Edward Y.S. Lee, Erma Wolever, Marge Tonissen, June Forysth, Edna Penon, Martha J. Siegel, Ann Burr, Mary Brown, Ruth Miller & Doris Schwartz.

WIRE CLIPPINGS

A 'smorg' was held in Wayne James and Bud Rasmussen's wiring groups as a fare-well to our extra help. Three members of Wayne's group left. Dee Ann Vick is entering University of Oregon; Dick Watson will return to Lewis and Clark as a third year major in Physics; and Jay Hoffman will return to San Jose Bible College for his fourth year in study for the ministry. They all hope to be able to return again next year.

Marshall Jackson's group had a pot-luck in honor of Marshall's (39th) birthday. Did you see the new shirt he's "sporting" that the girls gave him?

Doug Taylor left for Fort Ord in August for a six month tour of duty with Uncle Sam.

It's good to see that Jeanie Lebsack got back (bare feet and all) after spending three weeks vacationing in Arkansas.

We're glad to see Shirley Hergert back and "ship-shape" again.

There are two new employees in Stan Saety's group; Harriet Virell and Kenny Hedin.

Louise Tuller vacationing in the Canadian Rockies spotted a big bear in front of the bank in Jasper, suppose he was making a deposit or withdrawal?

She enjoyed the beautiful weather and scenery but could have done without the three flat tires.

(Ed Note: Not to enter a controversy with the Jasper Chamber of Commerce,—but, wasn't it Jasper where a large bear mauled and killed a child this summer? I'd use the rule of ten-foot pole around these critters!)

A week later Orpha Dailey went to Lake Louise where it was real cold. She saw 22 bear and a moose together—pretty unusual sight!

From Tektronix to the 'Little Red School House' for these boys—Norman Dyer, Willamette University, physics; Bob Matthews, Lewis and Clark, physics; Jerry Denton, Portland State, engineering; and Carl W. Geist, Willamette University, electrical engineering. Good studying boys!

For John Hornecker 'school' will be a little different this year. He wed Janet Osmundson September 6th., at the Methodist church in Hillsboro. Janet has been working with the Hillsboro Park bureau as counselor. John takes his little 'lamb' to school and she's certain to stay if she studies hard at elementary education. John continues electrical engineering at Oregon State.

FINAL FOLLIES

Another Finaller, Ron Mack, was joined in happy wedlock to the girl of his choice, Shirley Hellman. They were married on the 20th of August. All our best wishes, altho you probably won't need them.

The fishing news was pretty interesting this month; Rhoda Chalupa went deep-sea fishing earlier this month and caught three nice fish. Cory Johnson and her husband went with Rodgers Jenkins and spouse over the Labor Day weekend down the Columbia and over the bar. Cory only caught one fish, but they succeeded in burning 76 gallons of fuel. That makes the fish pretty expensive.

Merlin Mack, Al Hand and eight or nine more guys made a well-planned trip to Astoria and chartered a boat for deep-sea fishing. After some last minute hitches were overcome, they were off, only to break down and spent most of the day helplessly drifting. They were rescued by the Coast Guard, however, just before going on the rocks at the rivers mouth. Oh, they caught three fish, too.

Ray Leeto is sporting a brand new '58 Opel, a punkin' colored one, at that.

Ralph and Marge Livermore also bought a new car this month, a '58 Alfa-Romeo roadster, a real eye-stopper.

We lost Jerry Eastman to Portland U where he is studying Physics. Jerry intends to come back and work here during next summer.

FROM UNIT WIRING

Tress Van Deist and Jan Jones transferred from Unit Wiring to 'Customer Service. We miss you gals!

Doris Gibbons walked around the corner and up the hall and we know her now as our new Unit Wiring secretary. She replaces Aino Kubarsepp who has transferred to C.R.T. We wish both girls the best in their new job. Doris has only one complaint—high heels—they are a little hard to get used to after loafers.

Marjorie Wilson presented Al Haye's group with 2 lbs. of sweets. Cake Ummm! they were appreciated by all. Cake at coffee-break helped to say 'farewell' to Marjorie who returns to her job of 14 yrs. with the Northern Pacific railroad Co. She is in the information booth at Tacoma, Wash. and invites everyone to stop in and say 'hello' when in Tacoma. Marjorie laughingly stated that her co-workers there, know her as 'Miss -information'

We are happy to have Bill Stout and Barbara (Bobby) back with us from the service.

Bob and Theola Jackson have a new little girl—Jane Louise. Bob's group whipped up a 'pot luck' lunch for 'Pappa' and a stroller for 'baby'.

Bill Hardin's Group

New girls to our group in the month of August were Vera Buckholz and Wynetta Dyer.

The group had a surprise smorgasbord for Bill honoring his birthday.

During the summer we have had in our group; John McCaslin, John Edwards and Gene Paul. They have returned to their respective schools: Stanford, Yale and Princeton.

Helen Morgan spent a weeks vacation visiting relatives in Grand Junction, Colorado.

Bud's Belles

Much has been happening in our group the past few months. In July a triple baby shower was held for Rich Wilbanks, Dolly Harcourt, and Mollie Veale, with the final result being two boys and one girl. We lost several of our girls to other departments—Betty Alward to Finales, Lou Thomas to TWX at Sunset and Betty Carter to Test. Maryln Wolever joined the training staff, but, we are happy to say, is still one of the group. Jean Bue, who is on a leave of absence, will be missed by all of us.

Vacations have been enjoyed by many. Bud Rasmussen, Mary and daughter Chris flew to Los Angeles for a visit with relatives. Bud returned without even a tan, claiming he spent the whole time looking for old guns for his collection. (Do they have those at the racetracks?)

Florence Brown and Edith Groshong, two former Tekes, are now with our group plus quite a few newcomers. Namely, Carole Plowman, Nealie Campbell, Ann Knudson, Jean Ford, "Rocky" Kielhorn, and June Dixon who keeps protesting that she is not here to keep an eye on husband, Bunch. We also welcome our new Utility man, John Neal, who is taking Bob Williams place. Bob, Brad Franklin, Tom Cocks, and Bob Mueller are leaving for a whirl at the old school books again. We had a farewell Smorgasbord for them this week and hope to see them again next summer.

SOFTBALLERS MAKE NEWS

The Forest Grove Meadowlarks playing in the Woman's World Softball Tournament at Stratford Connecticut won their first two games. They lost the third in 16 innings. Their eighteen-year-old pitcher set a new tournament record by striking out 26 players at bat in that game.

Tek girls on the team are Pat Schroeder from Unit Wiring, and Jan Ruhlin, Janet Hoodenpyl and Joyce Braukman from the Ceramics Department.

- SHOP SWEEPINGS -

The Shop Finishers—Aloha Jernigan

New faces have been added to the "chain gang". Bill Dunken and Luke Crumly, Don "Brown Eyes" Wood—Bob "Fat Head" Haines and Frank Mishler have been honoring the "chain gang" with their wit and charm this summer.

Sergeant Crumly and Corporal Haines had a "pleasant" two weeks lounging around Boise, Idaho; they say the "scenery" was so relaxing—but know they missed us as we missed them.

By this time everyone should know Walt Zoucha's wife had twins; a girl and a boy—a quennella! You couldn't touch him with a ten-foot pole.

Warren Bybee's had his share, too. First the girl broke her arm and then the boy was rushed to the hospital for an operation. Let's hope nothing else comes up—we think he's had it.

A fried chicken dinner was highly enjoyed in the paint department. We invited Etch, Welding and Silk Screen. All we can say is, "Man, what food!"

Bob and Don are looking forward to Portland State the end of September, and they hope not too many hearts will be broken with their leaving.

Jim Herr made the old mistake of getting "hitched" on the sixth of September. Congratulations, anyway, Jim.

Lee Miller is going great guns; he doesn't think he'll have a hair left on his head in a couple of more weeks. Forrest Schuh in Silk Screen is having the same trouble. Are you using that hair tonic the right way, boys?

Joe Fanning just returned from Arkansas and enjoyed his vacation immensely; and Joyce Wirthlin (the lucky gal) took a month's leave to get re-aquainted with her twins—but happy to be back.

Frank Ball was advanced to Printed Circuits—but is he ever missed in Paint; however, Aullie Vanderberg is back after a month's trip to Cables and is enjoying running the hand etch every week—what a job!

Wayne Strutz is now Clyde Feitush's utility man, and Jean Haase was back for the second summer and spent it in Silk Screen this year.

Aloha Jernigan had a pleasant week's vacation building a new home—at least got it up and the roof on. Any bets when the finish date will be?

Since this is the first publication from the shop finishers, we hope it won't be the first and last.

TEST NOTES

Charlene Colby was 'coffed and caked' by all the inhabitants of Shady Lane, the department with an atmosphere, on Tuesday, Sept. 2. Charlene and husband Edward are expecting.

Ken Spooner was also feted and bade fond farewells as he prepared to transfer to the Capacitor Department.

The department was saddened and shocked by the death of Doug Snell. Doug served many months as a Group Representative from Test. His fellow workers extend their sincere sympathy to Doug's family and friends.

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Vivian Brown
988 S. E. 14th
Beaverton, Oregon

Plastics Patter—George Rayner

Water, water—people in the Plastics Department were a little undecided whether to come to work in swim suits or not after a drain got plugged for the third time, putting water over approximately one-third of the department's floor.

Bob White has transferred from Plastics to Screw Machines, and David (Bud) Rodgers has taken a leave to try the Restaurant business with his Dad, operating Rodgers Drive-in, east of Gresham on the Mount Hood Loop.

Betty Brown—wow—sunburn and hard luck apparently followed her to Reno on her recent vacation. We understand she lost all her cash in just four days and had to wire for more. Anyhow, her vacation was swell—we hope.

Shop, Period—Jack Clark and Nile Thayer

"Ash" Ashenbrenner made a trip to the Oregon Caves, plus a throw-in trip to Crater Lake, plus a catch of a po' lil' ol' thirty-two pound Salmon—small fish come easy!

Ken Wheeler, from Swing shift, is now working in Screw Machines.

Tom Ruyle made a vacation trip to San Francisco in his Beetle Bug V.W. and Nile Thayer took another trip to the Calgary Stampede which he said was very good. A little side trip to the Canadian Rockies brought the total milage up to about 3500. About 600 pix in color recorded the beautiful country traveled through, but the roads—!-X-

Rodger Carter in Screw Machines hit some beautiful vacation spots on his trip to Hood Canal, Cape Lookout and Wallowa Lake.

Jack Clark and his one and only lazed two weeks at the Dorchester House at Oceanlake—Jack says what he liked best was being able to eat in the Dining Room in overalls if you wanted to—sez he. "Delicious food, and a wonderfully friendly atmosphere".

Tom Nunn is the proud owner of a new Triumph. Says there's nothing better—happy motoring, Tom.

The latest extinguisher is a water glass. For further information contact Nile Thayer and his Volkswagen.

Paul Smith has got his feet wet. Nile Thayer has pushed him into developing his own 35 mm color film. Paul's vacation trip took in Lava Lake, about 38 miles southwest of Bend, Oregon, and Suttle Lake with a good stop at Camp Sherman.

We are happy to see that Bob Sheets and Harvey Hanson have taken the sudsy—pardon—sudden interest in the Beaverton Library!?



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SHOP

Shop —Swing

The swing shift is happy to welcome into the Tek Family seven new men as regular employees effective in October. Matt Jochim, Don Miner, Frank O'Brien, Willis O'Dell (Digger's brother), Don Sipe, Herb Webb and Larry Wells (he's single girls!) are the lucky men.

Some pretty tall tales of hunting trips usually dominate the conversations this time of year, but dig this one: Seems Bob Duncan, Q.C. and Don Mulvaney, Screw Machines, loaded their bows and arrows and stuff in their trailers and took off for a week at Crescent Drive (Old Camp Clatsop) below Bend, Oregon. They sure went a long way to blow out two tires, freeze to death at nite, and get no deer! Bob said he didn't get many shots because it was too smokey—but I wonder—maybe his arrows were crooked—didn't Q.C. 'em before he shot 'em!

Have you seen the new 100 ton Diamond punch press in our shop? It's a beauty! See you next issue!

Thirty-two Golf At Annual Open

The weekend of August 16th and 17th brought a field of thirty-two aspiring golfers to the Colwood Golf Course to vie for trophies in the Annual Tektronix Open Golf Tournament. Final standings in the three divisions necessitated several play-offs; results now available show the following trophy-winners.

Clair Kidd defeated Bill Lowery for Company **Low Gross** after first tieing at 83.

Jack Hughes captured Company **Low Net** with 93-25-68.

Champion Flight

Clair Kidd's triumph over Bill Lowery in the Company Low Gross playoff decided the tie for flight Low Gross also. Bill then became winner of the flight **Low Net** with 83-14-69.

First Flight

Earl Wantland won **Low Gross** with 90.

Paul Bennett took **Low Net** with 92-18-74.

Second Flight

Jack Hughes won **Low Gross** with his 93; this also gave him company Low Net.

After Harold Edmundson and Dan Guy tied for **Low Net** with 79's, a playoff over nine holes found them still deadlocked. At the end of another nine holes Harold finally emerged the victor.

The turnout for the first meeting of the Men's 6:30 League at Beaverton Bowl was so good that eight teams were filled to capacity in short order. The five-man teams are bowling on a rotational basis to allow the maximum of seven participants on each team. One alternate and one substitution is allowed according to American Bowling Congress rules for each team.

The natural mortality of bowlers during the year for various reasons should insure that all will have an opportunity to bowl in this league that showed an interest in turning out for the initial meeting.

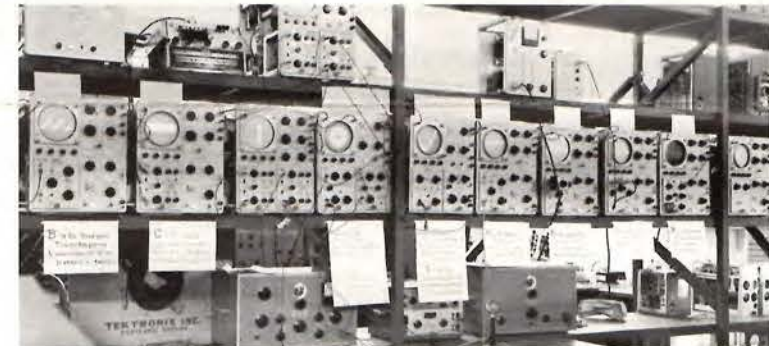
Bowling results will be posted weekly by Secretary Ed Hopper on the Bulletin Board opposite the Production Office in the Main Corridor of the Beaverton Plant and on the board near the Advertising Department in the Sunset Plant.

Organizational meetings were held during the opening weeks in the fall bowling season by the Mixed League, the Left-Overs, and the Women's 4:00 and 6:30 leagues.

The alleys are thundering again with strikes, spares, and bowling balls!



A serpentine of Tek family wends its way through the Beaverton Plant on Family Night.



And this is Kit Prep. Each department had bench top displays of work samples that were explained by employees to their family or guests. Supervisors and other volunteers were in most areas to help employees with explanations of unfamiliar functions.



Test's display of Plug-Ins and Scopes was a real crowd gatherer.



Rack-mounted instruments, waveform generators and indicators were demonstrated to visitors in the Test Department.

Visitors, Paul and Naomi Magnusson joined old friends on Family nite. Paul is on the staff of our office in Palto Alto.

FAMILY NIGHT ENJOYED... THOUSANDS VISIT PLANT

On Wednesday night, Oct. 1, the Beaverton Plant appeared to be in full operation with parking lot and driveways filled with automobiles and a happy horde of mamas, papas and children filling plant areas that only a few hours previous were humming with the everyday activity that is our way of making a living.

Family Night was the culmination of much planning on the part of all departments at Tektronix. Group Representatives with the cooperation of Supervisors and Department Heads arranged many interesting displays and demonstrated the magic of the oscilloscope to the amazement and wonderment of family members who at last knew what an oscilloscope looked like. Departments in the Sunset Plant, Panelcraft and Printing sent displays of their work for display in the center corridor.

Soon after the starting hour of 7:00 P.M. the expected crowd of over 5,000 were on hand to start their casual tour of the Beaverton Plant. With little else than a few guiding arrows the throng moved through even congested areas with little delay. The many displays were inspected with interest and most employees took this opportunity to show their family exactly where they worked and the tools they use.

There was no doubt that the many luscious cakes (nearly 200 of them) and the coffee and coke were awaited with as much interest by the children as the wires, chassis, and sheet metal. When the tables were cleared in the lunchroom at 10:30, only fragments of the full supply of cakes were left. (Short work was made of the remainder at lunchtime and coffee breaks the next day.) A number of cakes bearing messages of appreciation for the company we work for and its owners were displayed as a centerpiece in the lunchroom. Flowers brought by individuals were added to the baskets ordered through the Employee's Gift Fund for the occasion.

The Test Department had one of the most elaborate and spectacular displays accomplished with a bank of "hot" oscilloscopes in which patterns of every description were traced out by the "little green worm". Field Engineering also demonstrated an oscilloscope for the throng in the center corridor. Children were fascinated to "see their voice" on the scope screen. A more technical demonstration showed how time difference can be measured between the pick up of sound from two different sources. The massive presses, punching operations, etching, painting, silk screen, plastics, tool and die displays in the Shop area held the interest of old and young alike.

The overall effort to show our families what working at Tektronix is like, certainly did not fall short of its goal. All reports were proof positive that a good time was had by all.

Mute displays such as sweep chassis, kits, cable patterns, accessories, cabinetizing, finalling, shipping and stock spoke out with a firm voice for the quality of good workmanship.

The sparkling floors, cleanliness of the building generally and many behind the scenes details were the direct effort of Ruby Glasnapp and his crew, Bob Herren, Levi Brekken and the men working with them. Elsie Rohrer and her lunchroom girls with volunteer help of many others who served the refreshments were thanked for their help by Chairman John Byerly of the Group Representatives. Cake donors could receive no more genuine thanks than the whole hearted eating of their donation—not a cake was left unscathed.



Fred Lenczynski, Field Engineering Trainee asks Blanche Cook's daughter Susie to say a few words to be visually portrayed on the oscilloscope screen.



Cabinetizing displayed the final "dress rehearsal" of instruments prior to shipment.



The Etch tank's automatic cycle fascinated them.



Dave Hoeffler, Field Engineering Trainee, watches the studied expression on this young man's face as he modulates the trace on the scope with his voice.



The lunchroom was packed continuously with happy 'customers', sampling a variety of cakes and drinking gallons of coffee and coke.



FINISHED INSTRUMENTS—impressive to young and old alike.

Tek Talk

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TRIBUTE TO TEKTRONIX



from a happy family October 1, 1958



... AND MANY HAPPY TAX RETURNS

Let's face facts. If the bulk of your income comes from your Tektronix payroll, there probably is very little you can do to cut your 1958 federal tax bill. But you can try, and the time to give it a go is now—before December 31. If you wait until after the first of the year to decide whether to itemize deductions or take the standard 10 per cent deduction, you run the risk of losing the greatest tax-saving opportunity available to those who earn their living.

When you are forced to take the so-called standard deduction because your deductible expenses are less than 10 per cent of your adjusted gross income, you literally waste your actual expense for tax purpose. Don't let this happen to you every year. Plan your deductible outlays so that you go over the 10 per cent deduction occasionally. This can be done by pyramiding two years of deductions into one.

For example, assume that you expect to have an adjusted gross income of \$6,000 this year, with deductible expenses (interest, taxes, charitable donations, etc.) of about \$500—or \$100 less than what you would be entitled to deduct if you took the standard 10 per cent deduction. Not included in your expense estimate, however, is \$250 in real estate taxes and \$100 in home-loan interest charges which must be paid in early 1959 but which could be paid now.

If you act quickly and pay these expenses before December 31, you can bring your total allowable deductions for 1958 up to \$850. By itemizing deductions this year and taking the standard deductions next

year—when your actual expenses should be somewhat less because of what you have prepaid—your total deductions for both years will be approximately \$1,450. Had you taken the standard 10 per cent deduction in both years, the total would be only \$1,200. In both cases, your actual deductible expense for the two years only equalled \$1,000.

Wage-earners who still have difficulty finding deductions to make itemizing worthwhile might consider carrying the pyramid plan one step further. They can set up a system of "lending" and "borrowing" year-end items that would make it possible for them to throw three years of deductible expenses into one.

You can begin your own three-year pyramid by postponing payment on as much 1958 expense as possible and planning to take the standard deduction on this year's tax return. The expenses you have postponed—or "loaned"—will increase your 1959 deductions, and in the final months of 1959 you can "borrow" from 1960 by speeding-up the payment of deductible items.

As a result of your pyramiding, you maximize for 1959 (when you should be able to beat the standard deduction by itemizing), and minimize deductible items for 1958 and 1960 (when you take the standard deduction). The general rule to follow when you are trying to make the most of your actual expenses is: keep outlays as low as possible in the years in which you take the standard deduction and pyramid them as much as possible in the years in which you itemize expenses.

PIUS IN TENTH YEAR

A well known Tek, once described as Mr. Fixit, clicked off his tenth year late in Sept. in as unobtrusive a manner as he does most everything. Pius Scherr who for some time unofficially operated in the fashion of a production engineer, fixing and adjusting many a mechanical gadget around the plant is at the present time checking schematic drawings in our manuals against our produced instruments to make sure that circuits as well as voltage and current measurements are technically correct. He has been with the Manuals Department since mid-summer, recently transferring from Instrument Service.



Pius Scherr

Pius is another graduate of the Hawthorne Plant, Class of 1948. His first job was paneling and final assembly of the 511. When Tek moved to the Sunset site he became a group leader in 512 production, working with Jack Gaeth. Sandy Sanford was heading up instrument Service when Pius first started in that area. The department is now headed up by Jack Henderson, with whom Pius worked for sixteen months.

Teks who know Pius best are those working with him and they describe him as a very helpful person; not only helping them with their own jobs but offering assistance on outside projects as well. If a gadget or tool fails to work properly now we call on the aid of the Mechanical Services group of Production Engineering. In 1953 the call was quite often made for Pius, whose mechanical ability was much in demand.

Pius and his family live in a southeast Portland home he remodeled. Besides his natural talent in do-it-yourself homebuilding, Pius' hobbies include, photography, Hi-Fi, boating and water skiing.

When Pius came to Tektronix thirty people comprised the company that occupied part of the second floor at 712 S.E. Hawthorne Blvd. They were shipping about 60 Type 511 scopes per month. Tektronix is now a family of close to 1800, business has grown and necessary supporting services have expanded. People like Pius have helped to make this possible.

BOSTON QUIRK



Scotty Pyle reports that the ways of Boston People are sometimes strange.

"On my trip up here I find that these girls like to turn out a quality letter. The quality is so high in fact that they use 100% rag. This particular rag turned out to be the hand towel.

You might let Ken Walling know that requests for Boston office letterheads will be sharply reduced. The local laundry can supply their needs."

The girl at the typewriter is Ann Elliot, a transplanted flower from the city of brotherly love-Philadelphia. Ann has been in Boston since the middle of July. Her female aide-de-camp is Carol Kassabian who assists Ann in keeping the home fires burning for Dick Phillips and new arrival, John Adams. Lee Heaton, another Bostonian, is presently in Portland for a 're-calibration' visit.

Assembly Coordinating Group



THE LINE UP: Jay Chiodo, Don Stradley, Ross Gifford, Don Poindexter, Joe Almand and Wally Blackburn.

One of the many groups located at the Beaverton Plant is the Assembly Coordinating branch of Production Engineering. The primary function of this group is to devise faster and better ways of assembling our product. This may be done by improving present methods and plant layout, or by initiating new procedures, such as use of machines, where this is feasible. The group aim is to achieve greater production output from any assembly group without adding personnel. The direct result of successful improvements would be a rise in the profit share.

One might think that complete automation would be the end goal of such a group, but anyone observing the complicated wiring being done at Tektronix would quickly erase such a conclusion from his mind. However, there are many ways machines can ease tiresome, boring, and time consuming jobs, and can release persons for operations that require the fine touch of craftsmanship.

The leader of this group of five is Wally Blackburn, a mechanical engineering grad from Oregon State. Wally not only supervises the group, but has the responsibility of coordinating all special and purchased hand tools for Production, and works with Production's Mechanical Design group on new tooling projects. Wally has held various engineering and supervisory jobs since receiving his sheepskin in 1947. He devotes some of his weekends to the Army Engineers as a 1st Lieutenant.

The members of his crew are Don Poindexter, Jay Chiodo, Joe Almand, and Don Stradley. Don Poindexter has worked in the Tek Shop for several years; most recently on jigs and fixtures for Assembly use, and he is the expert in the group on tools and tool application.

Jay Chiodo has an extensive background in shop management, machine tools and work methods. Before joining the Tek Assembly Staff in April, 1957, he was Shop Foreman at Portland Screw Machine company. Jay is a master machinist, and has the ingenuity to create a machine from the ground up. Jay flew and instructed flying in World War II, and later he was an instructor at Western Skyways, Troutdale, for two years. At that time he held a CAA Flight Examiner's rating.

Don Stradley is another airman. He specialized in radar mechanics during his 'hitch', and later studied Electrical Engineering at M.I.T. for two years. Don has specialized in jigs and fixtures used in the assembly areas, and he is adept at analyzing work methods.

Joe Almand graduated from U of O where he studied architecture for three years, but received his BS in general social science. He spent his tour of duty in the Air Force as an armament systems officer in the Far East. Joe has worked in Final Assembly and Customer Service. Recently he has had much to do with the layout of the Assemblies in the Beaverton Plant.

Ross Gifford is the latest addition to the Group. Ross has had experience as a machinist and has worked with automatic screw machines. Lately he was a lead man in Shop. Ross will be working on Drawings of Jigs and fixtures for Assembly.

In the Assembly sections there are samples of this group's work. Many of the girls in Unit Wiring, Accessories, and Mechanical Assembly are using various jigs to hold the work. This frees both hands to hold solder and the soldering iron, and is easier than using a knee, or growing a third hand. Kit Prep is using special cutters, rollers, and holders for speeding the preparation of resistors and capacitors. Cables uses the "doghouse". This is a rack for golf tubes that hold pre-cut wire in order to eliminate the tiresome hand-pulling of wire from reels. The resistor cutter is an automatic machine developed for Kit Prep. It will cut at the rate of 30,000 pieces a day, and is adjustable as to length of cut. An automatic screw driver was purchased for use in Mechanical Assembly. This machine drives self-tap screws mounting tube sockets and capacitors into a chassis. It eliminates the old bolt and nut method. Visitors to Wire Prep may observe several machines in operation which were introduced by this group to ease the workload for Assembly.

Plant layout, another function of this group, concerns the smooth production flow from one assembly group to another. Layout and design are interrelated. For example Unit Wiring required stock aisles separated from work areas that would still allow for an interchange of raw and finished parts. Feed-thru shelving helped to solve this need.

Assembly Coordination is the function of finding new ways to do a better job, but all employees are encouraged to contribute ideas. Many time-saving methods come directly from production people, who are so familiar with the details and problems of their particular jobs that a better way becomes evident to them. Assembly Coordinators are working as a part of PE, a service group, for better ways and means toward a better product, and a larger profit share for all.

1958 United Fund Box Score

U.F. established Quota \$15,353

October 28

Total Pledges—1,478

Total Gifts—\$18,242

Representing 86% Participation
 a great many thanks—

Chairman, John Byerly

Shops Automatic Etch

Consider strolling from the main shop into the large Finishing area in which the etching and painting operations are performed. And over to one side you notice what appears to be a complicated mammoth piece of equipment, eleven feet wide and thirty-two feet long.

At first glance it has somewhat the appearance of a large square box, open at the top, and equipped on the side with an impressive assortment of piping, valves and dials; and over which is resting a massive, tubular-braced metal framework. As you watch, this framework suddenly raises up close to the ceiling on three vertical posts, and exposes an elaborate system of racks and hooks from which are suspended hundreds of aluminum Shop-made parts.

As the framework comes to rest at its elevated position the racks move ahead 30 inches on continuous trolleys, stop—and then the entire assembly settles back down into the "box," which is actually a series of separate tanks. This fascinating action is accompanied by a variety of sounds somewhat between a smooth-running engine room and a disgruntled hippopotamus.

Just what is this equipment and what is it doing?

This is Tektronix's new automatic etch machine with a capacity, according to Clyde Feitush, up to 800% of the output by the old hand-etch method.

Before going into some of the details of this equipment it is of interest to tell how it came into being.

Conferences between Bob Davis, "Ash" Ashenbrenner and Dick Pooley brought out the acute need for some type of automatic etch equipment. Dick sent out letters to various concerns, requesting estimates on the

Shop's AUTOMATIC ETCH... A BOON TO PRODUCTIVITY

by Jack Clark in Collaboration with Ash and Marlow Butler.

AUTOMATIC ETCH MACHINE

TOP VIEW

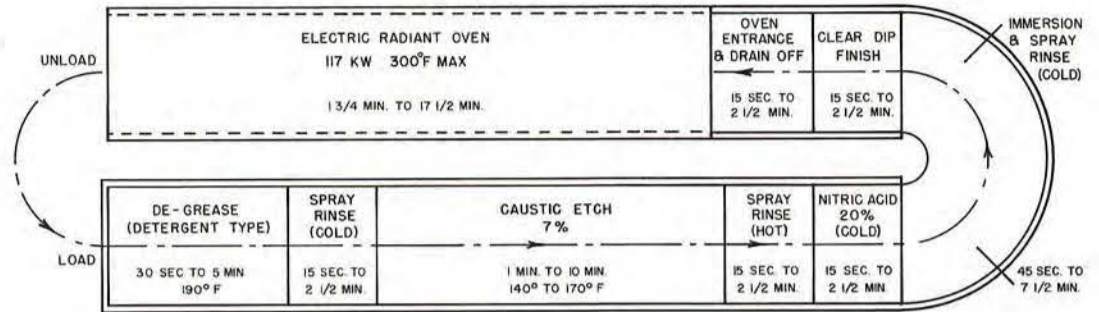


FIG. 1

MINIMUM & MAXIMUM TIMES GIVEN. MACHINE CAN BE SET TO ANY TIME WITHIN THAT RANGE. PRODUCTION, AVERAGE SMALL PARTS: 3500 PER HOUR.



This is the crew that watches over the "monster" as it cycles through the etching operation. From left is Eskel Etling, Wally Couture, Lee Robbins, Lee Miller, Bernie Menard, Joe Fanning and Audrey Critchfield.

construction of such machinery. Only two companies in the country manufactured anything comparable to Tektronix' needs, and either of these pieces of equipment would have required extensive and costly modifications to meet our exact needs, over and above their unmodified F.O.B. Eastern prices.

After careful thought on the matter the conclusion was reached that we could design and build our own equipment much cheaper, at about one half quoted Eastern costs, and at the same time have it meet our exact requirements. Preliminary drawings and estimates indicated a cost less than half the Eastern terms; it later developed that actually savings effected on the project were even greater.

Marlow Butler, a mechanical engineer, who had joined Tektronix in December, 1957, was in charge of the design, construction and installation of this new automatic etch system. Twenty-nine drawings were required and about four months time for the design and completion of the installation. Ken Catto gave Marlow invaluable aid with about one-half of the drafting work, and A. Young and Son, with the best of three bids, built the tanks and did the structural work to Tektronix specifications. The entire equipment is actuated by a specially-designed, custombuilt Vickers Hydraulic System, which provides precise sequence control for the automatic operation.

A Closer Look

At this point a closer look at the installation itself is in order. What at first glance appeared to be a large box is actually a series of seven separate tanks, the rearmost one of semi-circular shape, followed by the seventh tank and then a long drying oven to complete a horseshoe effect. Reference to Figure 1 accompanying this article will clarify the arrangement.

A control panel by the first tank has controls for either one cycle of operation, manual operation or fully automatic operation. In conjunction with full automatic, a cycling timer on the control panel can be set to regulate the number of seconds the parts remain in the tanks.

The Tektronix-developed electronic brain that controls the hydraulic muscles of the monster equipment has its nerve center in this control panel. A wonderfully precise "brain" of myriad relays, solenoids, etcetera.

For parts to be ultimately spotwelded a shorter cycle time of about 15 seconds is used, while for the average run of pieces 50 to 70 seconds cycle time is employed. It should be noted that the etch tanks accommodate four racks, therefore with a cycling time of, say, 50 seconds, each rack of parts would actually get 200 seconds of etching. Each rack will hold up to fifty small parts and average etch production will run about 3,500 parts per hour. Large chassis' run about 300 per hour.

From Start to Finish

Following one given rack of parts through from start to finish, the rack goes into the first tank which contains a high detergent non-foaming cleaning solution for removing any grease and dirt from the parts. This is a two-cycle tank, so the rack is immersed for the set cycling time then is raised up, moved 30 inches along the trolley guide and re-immersed in the same tank for an additional period of the same cycling time; all automatically, of course, by means of hydraulic sequential control.

The second tank into which the parts go, in their movement along the trolley guide, is a single-cycle spray rinse tank that washes off the degreasing solution.

The third container is the much longer etch tank, holding a 7% caustic soda solution. This is a four-cycle tank and our rack of parts on, say, 60 second cycling time will actually receive four minutes of etching im-

(con'td—column 4&5)

SWING SHIFT SHAVINGS

Well, we "smartened up" a couple of boys, Dick Myers and Bob Warren, and sent 'em back to college and got a new man, John Pricer from Panelcraft and Pramovil Rachl all the way from Chicago via Czechoslovakia—boy we get 'em' from all over, don't we?—Hope we see Dick and Bob again next summer.

Larry Wells brought his tape recorder to coffee break and we all sent a message to Norway to Ivar Saunes who worked with us this summer. He was in the United States on a scholarship to the University of Oregon. When he left us, he said he was taking home some wonderful memories—he thought America (and Tektronix) were fabulous.

Screw machines are running about the same even though Ross Gifford did get back from his vacation! (He'll kill me!)

Ed McDonnell has really got the Stereo sound bug—he has 3 speakers now. Wonder if he knows that rooms have 4 corners!!

Oh yes—last issue I said Willis O'dell was "Diggers" brother—guess he really is. Last month Willis dug a well 130 feet deep!—just water tho'—no oil.

See you next issue—Herb Webb



"Acme Robot Agency, 'Gentlemen: I am returning your robot-secretary. I have decided the human—er—touch is indispensable...'"

(con'td from col. 1)

mersion. According to Lee Miller, in charge of the operations, .004" to .005" of material normally is removed during etching.

The fourth tank rinses off the caustic soda etching solution, while the fifth tank, contains a 20% nitric acid solution, brightens the parts.

The large semi-circular end tank contains water for rinsing off the nitric acid, and the seventh tank, at present, serves as an added rinse tank. This last container, however, will ultimately be used as a tank for clear dip paint finishing.

Our rack of parts now in the last tank is almost ready for the final stage of its trip, the drying oven. The mast raises, indexes the trolleys along another 30 inches and then lowers to set the rack just outside the drying oven. An ingenious slanted rail device moves the rack into the oven on the second following index, then returns out to receive the next rack of parts following. A system of dogs (not the Alaska Husky variety) moves the racks along through the drying oven.

The oven, operating at 300° Fahrenheit, dries off the final rinse, and is a large horizontal rectangular tunnel which measures four feet wide, four feet high and twenty feet long. 117 kilowatts of electric radiant heat is used, and the heaters are arranged in four circuits to allow separate control of the oven's sides, top and bottom. Cycling timers for the heaters are calibrated in the percentage of time on. Thus, with a 25% setting the heaters would be on, for example, 10 seconds, off 30 seconds; or on, say, 15 seconds, off 45 seconds.

Our rack of parts, now having moved up to the front of the oven, is removed by hand, and the pieces are ready for spray lacquering by hand. Eventually it is planned to incorporate the lacquer step in the automatic process.

At the base of each of the three vertical supports of the 3,800-pound trolley-carrying mast are two heavy compression springs. One, of three-inch diameter, is inside the other of four-inch diameter. These springs cushion the final stage of the mast's descent on each cycle.

Three leaf-chains used in raising and lowering the hydraulically controlled mast each have a lift capacity of 28,000 pounds, permitting an ample margin of safety in raising and lowering the 3,800 pound mast.

Since caustic soda will work on aluminum faster at a temperature over 140 degrees, means must be provided to heat the caustic solution from 140 (degrees) to 170 degrees, depending on the type of aluminum being etched. This is accomplished through heating coils supplied with hot water from our central heating plant. The cleaner tank, heated to 190 degrees, is supplied by the same means.

Mere prose and even photographs can hardly do justice to this truly marvelous automatic machine. It must be seen in action to be fully appreciated.

In view of the outstanding nature of the equipment described, and the fact that it has caused flattering interest in industrial circles throughout the country, concluding remarks about its creator, Marlow Butler, seem in order. Incidentally, Marlow reiterates that he was most ably assisted throughout the highly technical project, by the skillful efforts of Ken Catto.

Marlow studied Mechanical Engineering at Oregon State College, and for a year and a half before the war was with Boeing in Seattle. Four years were spent in the service as test pilot and engineering officer in the troop carrier command. After the war Marlow operated his own radio shop for two years. Following this he was with Pacific Car and Foundry in Seattle for a year as mechanical design engineer.

Prior to coming with Tektronix, Marlow served nine years as chief engineer for Holt Equipment Company of Independence, Oregon; the last three years which he served also in the capacity of General Manager.

Marlow is married, has a twelve-year-old daughter, and his hobbies are electronics and woodworking.

A future issue of Tek Talk will present an account of the shop's new paint booth conveyor system.

Plastics Engineering Hunts AGATES

Plastic Engineering Group with their families made an overnite trip to Cape Lookout State Park during the last weekend in September on an Agate hunt guided by Vern Bartlett.

The weather was good and the ocean air did wonders for the children, inspiring a few of the parents to perform the ballet on the beach. Considering the fact it was voluntary, completely unrehearsed, and further complicated by the use of a "Frisbee" (ask your children what this is in case you are not familiar), we considered the results quite spectacular to say the least. Wonder if they suffered from any aches next day?

Everyones opinion was that this "get together" was a nice way of getting better acquainted with the families of ones group, and we're hoping the idea will spread.

Several took trailers down but the more "hardy" slept out in tents. Everyone gathered a fair loot of agates and other rock specimens with the children spotting the most valuable stones.

PRODUCTION QC.

Ken Lukens informs us that his daughter, Dana Lukens and Murlan Kaufmann of capacitor engineering are that way about each other. So far, no date has been set.

A TRAVEL TALE

Janet Hoodenpyl, Janet Ruhlman and Joyce Braukman from Ceramics were on the Softball team from Forest Grove that made it all the way to the World Championship Tourney in Bridgeport Connecticut this year. This is a story of their trip.

We flew to Seattle from Portland on August 28th and after a lay over of about 5 hours were on our way east. The plane was reserved for service men and we were the only girls on the plane with the exception of one Korean girl, the bride of one of the servicemen. The men were on their way home from Korea after a fifteen month tour. We flew as far as Chicago with them, arriving there about 7 A.M. A fog and the hot humid weather combined to make the wait for another plane quite miserable. Switching finally to another airline we finally arrived in New York, safe and sound after a three hour hop from Chicago.

Out of 12 girls, a coach and a sponsor we lost only one little suitcase—Hoodenpyl lost the case she had her softball shoes in. They never found them until the day of our last game, about a half hour after we left the hotel to play.

After arriving in New York we rented two Chev. station wagons. you can imagine 14 people in the two cars. We aren't small girls either. In this manner we journeyed to Bridgeport, where we stayed at Hotel Barnum. The owner of the hotel was the Barnum of circus fame.

Our first game was Sunday, Aug. 30. We played Massachusetts and won 4-0. Played again Monday, both games were at 1:30 P.M. Monday we won 1-0 in nine innings. Tuesday we played at 7:30 P.M.

Tuesday most of the girls had their hair done and went with our coach to visit the Shakespeare Theater in Stratford, Conn. and on to Yale University in New Haven. That night we lost a very good but uneventful game to Fresno, Calif. 4-0 in 16 innings. Our pitcher Louise Mazucca broke a world record by pitching 26 strike outs in one game in a world tourney. By losing this game we went into a losing bracket and had to play Phoenix, Arizona. Losing this game eliminated us from the tourney but we did manage to bring back 6th place out of 19 teams. Our centerfielder, Lucky Carlson, got world all-star and our pitcher, Louise and catcher, Lou Wetzel got honorable mention. It was our first year in a world tournament and we feel very proud of ourselves. We hope to go again next year.

WIRE CLIPPINGS FROM UNIT WIRING

Wedding Bells rang recently for Wynetta Dyer. On Sept. 13, she became Mrs. Sam Vergis.

Versa Dietz became Mrs. Gary Eveland on Sept. 23.

Bill Hardin took a few days off due to a minor operation on his hip.

Mary Ann Lokan returned after a few weeks rest on Doctor's orders.

Barbara Halverson, still recuperating from neck injuries suffered in a recent accident, returned to strain her neck wiring a chassis.

Hazel Tillman, after a few weeks leave, returns to await the stork expected early in February. During Hazel's time off she and her family visited Victoria and Vancouver, B.C. Also they traveled south through the Redwoods.

Helen Sherrod, loaned from the Test Department, is learning to wire Plug-in's. She plans on returning to the Test Department to test the Plug-in's.

Martha Epperson spent a two week vacation visiting her brother in Burbank, California.

Due to a mix-up—Sue Savely, Aase Rhodes and Helen Snyder weren't welcomed previously in our Tek Talk. So this is officially "Hi, Gals."

THE PLASTIC MAN



In a recent issue of Tek Talk we promised to give you a story of Vern Bartlett who was one of the two Tek's submitting an original masterpiece to the Wescon show held in Los Angeles in August. His was the plastic creation called "Ascent to Oblivion" which we pictured in our last publication.

Vern started working here at Tektronix, in 1951 in the Etch Department. After spending 1½ years in this department, Vern transferred into what was then the beginning of our present Shop Plastic Department. The group consisted of himself and Howard Daniel who spent all their time making seven plastic parts—5 knobs and 2 probe parts—(the body and nose). He stayed with the Shop Plastic department to see it grow from the original two employees to about 20 within the next two years.

Space became very scarce, leaving little room for Vern to work. Hence, when an opening became available in Mechanical Design Vern transferred, joining Jim Boyle, and George Rumpakis in the Plastic Development Group. Since joining the Group, Vern's job has been that of Plastic Fabricator which consists of filling the many and varied job requests from all departments within the plant. This work entails more than meets the eye. It consists of mechanical knowledge along with some imagination and designing abilities working with all types of fabricating materials.

In the past 5½ years Vern has become an enthusiastic rock hound with time for others who come to him for advice and encouragement. He is an ardent member of the present Tektronix Employees Geology club. Prior to this hobby his interests centered around puppeteering with Vern carving the puppet heads himself, with the assistance of his ever-loving wife who makes the clothes for the puppets. Perhaps some of you will recall with delight the Puppet show put on by Vern one Christmas holiday here at the Sunset Plant.

Because Vern enjoys his hobbies so much he was the inspiration behind the one and only Hobby Show put on at Tektronix in 1952. It was a tremendous success and perhaps we can look forward to another one in the future, humm?

CABLEGRAMS

In September we welcomed to our group four new girls and one transfer. Maxine McCabe transferred from Unit Wiring and the new ones are: Winifred Winslow, Irene Groves, Joan Davis, and Alice Stewart.

Alice will be sure to remember the date Sept. 12. That is the day she started to work for Tek and also the day she received that beautiful engagement ring from Rod Rolfe, a student of Linfield College.

Art and Irma Breazile gave a wedding dance Sept. 15, and invited us along with the crew Art has worked with so long. The groups used the opportunity and provided a pot luck lunch and shower gifts for the happy couple. They received lots of pretty and useful gifts for their home and we all enjoyed the dance.

The Open House was wonderful! Most of us made it with our families. We are all so proud of our new plant.

October starts out to be interesting. Wanda Sheets is back with us as a trainer again. Lois Ingersoll transfers from transformers and Gerd and Ruby's offices are being moved to make way for the expansion in Mechanical Assembly. (Tho't we were never going to be crowded again?) A Bachelor Dinner is being planned for Fran Gammon on Oct. 10, who has invited us all to her wedding the following week.

FINALS FOLLIES

Here's a welcome to the following, who are new in Final: Carroll Clason, Charles Haase, Don Knowlton, Gordon Douglas, Louis Lambert, David Lohr, Art Egger, Jack McCabe, Ken Miller, George Fullmer, Steve Trunde, and Betty Spohn. We're glad to have you with us in Final. Actually, Betty Spohn is not a new employee, but she has been away for some time. Betty took a two month leave of absence to "Rest". She says if she hadn't run out of money, she'd still be resting. (I've got news, she still is.)

There have been a few personnel changes in the last month. Dave Anderson is on loan to help Dave Spinks, and Merve Henkes in on loan to Custom Instruments.

John Neal, one of our colorful members, and a landmark at the panel stamping bench, has transferred to Unit Wiring. Poor Wendell, he can't seem to get away.

September was rather a slack month for weddings in our group, with only one marriage, that of George Fullmer. All happiness, George and Mary.

Well, the family night festivities were a real success and a lot of fun. I noticed a very large crowd in the Final area, viewing the displays created by those great showmen, Bob Hart, Roy Hyde, George Bennett, George Scott and Jim McGill, under the direction of Roger Noyes, our able group representative. The audience was a sort of captive one, being the line to get into Test backed up into Final. But the important thing is **they were there!**

I'm sure, however, our vistors enjoyed the wonderful display, and especially the magnificent, artistic sign which described the function of the department, (Plug).

Jim Hardisty, one of the **neuveaux riches**, is being seen these days driving a big black Cadillac convertible. (Probably got a dime!) He let me drive it around the parking lot at lunch one day, and I got kicks out of it to last me a week. I don't know why some people can have a big boat like that and I have to go on driving a Buick.

As long as we're discussing cars, I think we have a guy in Final who has set a record of some sort. "Lucky" Ben Grossen. Ben, Final's answer to Joie Chitwood, bought a brand new 1958 Chevrolet a few short months ago. It must have been jinxed or something, it just couldn't stay away from other cars. After three accidents, it looked sort of like a 1928, so Ben decided to trade for a new Ford. So far, he's had only **one** accident in two months with it, and he assures me that with a good start like that, he's bound to be happier with it.

Bob Hart and some friends were riding back from a fishing trip at the coast recently, when they passed an accident scene. There was a pick-up truck resting atop a yellow Chevrolet. "Boy, what a mess," said Bob. He arrived home, looked in the garage, and discovered that his yellow Chevrolet was missing. P.S. His wife, who was driving his car, was not hurt.

I understand some of the boys went on a camping trip into the wilderness on opening weekend of deer season. Merlin Mack was the

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SHOP VISITORS IMPRESSED BY MASSIVE PUNCH PRESSES



only lucky one, getting a forked horn buck. Al Hand dressed it out for him.

I think Gladys Koch is selling swimming pools in her spare time. I heard several people say, "Let's go see Gladys about the pool", last month.

The "Rifleman", Bob Taylor, won a gold medal and a turkey with his marksmanship in September. The medal was won with an army rifle dating 1884. Nice shooting, Bob.

The Ted Eisenbrauns have moved into their new home on N.E. 97th Street. Also, Ted has recuperated from an operation he underwent last month.

Our people are still vacationing, (There are those who may say they never stop). Lorne Hofeld recently returned from a 6000 mile motor trip which took him around the U.S. and ended in Chicago. He said he picked up three girls who were hitch-hiking in New Mexico. Really, Lorne.

Generally speaking, vacations don't make too interesting reading, but when Dick Trythall parts with \$600 and comes back smiling, that must have been some vacation. The Trythalls went to the 49th state, Alaska, to visit friends and generally live it up. Dick reports he was lucky in that he arrived just as the local liquor merchants were engaged in a price war. One of their fellow passengers on the trip up was Bob Bartlett, Alaska's delegate to Congress. (Just thought I'd throw that in to make the item worth reading.)

Farewells were bade to Ron Phillips and Jim Sorenson, who left to go to school. Jim was given a sweater by the Final Ladies Aid to thank him for pushing the coffee cart all summer.

ACCESSORIES—WIRE PREP

A surprise shower was held in honor of Ruthe Beardsley who became the bride of Eugene Grable September 12. The wedding took place in Helena, Montana.

Congratulations to Virgie Johnson who gained a son-in-law. Daughter Eunice became the bride of Gene Sause on September 11.

Welcome is extended to the new girls in our group; Nolan Lankston, Nancy Sogesser and Sharon Rous.

A potluck for Gene Brink and Doris A. Beck was given recently as a farewell to Gene Brink and Doris A. Beck who left our department and moved into Plastics. Good Luck girls!

New girls in Wire Prep are these: Helen Glover, Mavis Haller, Vivian Weaver and Susan Witt.

Welcome back to Vera Henze after her trip to the hospital.

Jim Lilly rates a heroism medal with all those Wire Preppers. (or a Good Conduct Ribbon?).

Wire Prep thinks: If you have any jobs you can't get finished—**Why bring it to them?**

DELAYED LINES

Ed Cornilles retired as our group representative and Melva Craven will finish out his term.

Nadine Eadis has been made a permanent employee. Congratulations Nadine!

Vacations are nearly over and the trend of conversation leads to the Holidays ahead. Some are talking about deer hunting! I suppose four legged ones!

keglers korner

The men's 6:30 Bowling League standings with 18 games rolled on October 9 showed Roger Carter with the High scratch game of 234, Bunch Dixon had the High Series with 586 scratch. Handicap high game was held by Tom Williams with a 259 (a scratch game of 219 and 40 pins handicap) and Jim Zika had the high handicap series of 656.

A goodly number are rolling over 500 scratch now with Roger Carter, Carrol Wright, Roy Eckelman, Bob Wruble, Jim Zika, Russ Bassindale, Dave Heizenretter and Ed Hopper among the honor rollers the first week in October.

BULK RATE
U. S. POSTAGE
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TEK TALK



BLOOD BANK GETS 237 PINT DEPOSIT

Friday afternoon, October 24th, the Bloodmobile from the Regional Blood Center in Portland stopped at the new Beaverton Plant of Tektronix, Inc. for the second drawing participated in by Tektronix employees this year.

Two hundred sixty-one volunteers asked to donate blood at this drawing and only twenty-four were deferred because of current health conditions or other reasons. This brought the record total of 237 pints of whole blood which was loaded into the Bloodmobile for delivery to the Regional Blood Center in Portland. The Bloodmobile was set up in the Beaverton Plant lunchroom shortly after noon and blood drawing began at 1:00 P.M. The drawing continued until 4:30 P.M. Ten beds were set up to accommodate the donors who were cared for by volunteer Red Cross nurses at five blood drawing stations.



The Tektronix Blood Bank program is now in its seventh year with a very good record of participation. Last year, Don Pratt, Tektronix Blood Drive Chairman accepted a Certificate of Appreciation from the Red Cross on behalf of the employees of Tektronix for cooperation shown to the Blood Program. Until this year, space has not been available at Tektronix to set up a blood donating station and employees have participated with either the Beaverton or Cedar Hills community drawings. With nearly 1800 employees, close to a 1000 of which work in the Beaverton Plant, the problem of transportation and waiting lines have been minimized by bringing the Bloodmobile to the plant area.



Temperature & pressure rising

All volunteers at Tektronix were given time appointment cards that scheduled their arrival at the lunchroom. This scheduling and the proficiency of the Bloodmobile staff and volunteer aids contributed to the successful drive.

Note received from Betty Ewin September 22, thanked Teks for extending the facilities of the Blood Bank to her during a recent illness.

Betty is the wife of Bill Ewin, Field Engineer in our Philadelphia Office.



THE BIG ONE FLIES—The mighty Atlas intercontinental ballistic missile rises majestically from its launch pad at Cape Canaveral, Fla. The Air Force's "Sunday punch" weapon, standing as tall as a seven-story building, is boosted into space by the fiery thrust of three huge rocket engines. Frost encrusting the liquid oxygen tank is shaken off as the missile rises, falling in a swirling cloud of ice particles. This shows the successful launching of Aug. 2, 1958, when an Atlas hurtled more than 2,500 miles across the Atlantic. The missile is built at San Diego, Calif. by Convair (Astronautics) Division, General Dynamics Corporation. Atlas contains more than 40,000 parts, supplied by firms in 32 states.



Tektronix instruments played an important part in the Atlas project. The Type 531 oscilloscope is shown here in use in the Convair-Astronautics Standards Laboratory where new electronic equipment for the Atlas missile program is tested.

CUSTOMER TELLS OF TEK IN PUBLICITY OF ATLAS PROJECT

In a recent press release by Convair/Astronautics, Tektronix was one of four Oregon firms listed as suppliers to the Atlas project. The others were: Electric Steel Foundry, Electro Measurements, Inc. and Osborne Electronic Sales Corp.

Because Convair is a user of Tektronix oscilloscopes as well as auxiliary equipment such as generators, and preamplifiers; a few facts about our customer and their project should be of some interest to those of us that often wonder where oscilloscopes are used and what function they perform in this space age.

The SM-65 ATLAS is America's first intercontinental ballistic missile. With associated ground equipment it comprises the Air Force weapon system WS 107A-1. The missile is in pilot production at San Diego by Convair (Astronautics) Division, General Dynamics Corporation. This customer of ours is called on by Ken Dellinger, Field Engineer in San Diego area. (You may recall that Ken and Eddie Richmond from the Portland Field Engineering Training Department gave a series of training sessions to Convair (Astronautics) engineers on the use of oscilloscopes during the last year.)

The Atlas is designed to deliver a thermonuclear warhead 6,325 statute miles. It is powered by a cluster of liquid propellant rocket engines, burning liquid oxygen and RP-1, a kerosene-like hydrocarbon fuel. The missile is approximately 75 feet long and 10 feet in diameter. Weights and thrust are classified.

Conventional long-range missiles consist of two or more rockets, one mounted on another. The bottom or booster rocket furnishes all power until it burns out. Then it drops away and the next stage is ignited. The Atlas system—so called "one and one-half" staging—is unique in having two sets of engines but only one rocket tank structure. This permits lighting the upper-stage (sustainer) engine on the ground. There is no risk that the missile will abort through failure to achieve ignition many miles in the air.

The goal of Project Atlas is a dependable missile that is "producible and operable"—one that can be manufactured with assembly line techniques and operated by regular military personnel.

Atlas missiles assigned to ground testing are sent to two California facilities, Sycamore Canyon, near San Diego, and the Missile Static Test Site (formerly Edwards Rocket Base), to be expended in a rigorous and exhaustive program of captive testing by Convair. (A new plane can be repeatedly test-flown, modified and flown again. A missile cannot be. Hence much development testing is done on the ground, with the missile tied down but otherwise simulating flight operations as nearly as possible.)

Convair's associate contractors, in addition to Rocketdyne, (Division of North American Aviation) in-



clude General Electric Co. and the Burroughs Corp., radio-inertial guidance (to be followed by American Bosch Arma Corp., all-inertial guidance); General Electric Co., nose cone; and Sunstrand Turbo Division (formerly American Machine and Foundry), development of an airborne accessory power supply.

The Atlas is scheduled to achieve initial operational capability by the end of 1959. The buildup to this achievement including construction of Atlas complexes at four bases—is directed by the Strategic Air Command, commanded by Major General David Wase, with headquarters at Vandenberg Air Force Base, Lompoc, California.

Construction of the first complex at Vandenberg is well advanced (summer 1958) and work has started at Francis E. Warren Air Force Base, Cheyenne, Wyoming. The third and fourth Atlas Bases will be constructed at Offutt AFB, Omaha, Neb., and Fairchild AFB, Spokane, Wn. Convair also will assist the Air Force in the installation of training facilities at other bases.

The Atlas and Space Convair space studies started in 1952; in 1956 the directors of parent General Dynamics Corporation appropriated \$20,000,000 to build a plant for a new Convair division called Astronautics. This division was created to carry on Project Atlas and specialize in space technology.

In January of 1958 Convair was able to submit an integrated space development plan to the government when the first Russian satellite was launched. The plan was based on use of the powerful Atlas booster to place satellites considerably heavier than the Sputniks in orbit; to enable men to operate in a recoverable satellite or permanent space station to land instruments on the moon, or send instrumented "artificial comets" into interplanetary space.

Information used in this article on the Atlas Project was furnished by the Editorial Section of Convair-Astronautics and has been previously cleared with the Military for publication.

This then is one of our customers, a company considering engineering developments that may carry man across the threshold from experiences confined to one world and into an era of exploration of the universe.

The Tektronix oscilloscope, the excellence of which is generally accepted in the electronics industry, is an instrument of exceptionally high quality and great utility. Tektronix strives continually toward this aim of producing high quality instruments—with high employee morale as one of its greatest assets.

Tek Talk

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Departments are asked to notify the Editor if Reporters named are not currently correct.

HANDICAPPED? ...perhaps



Since Sept. 15th, Glen Mathewson has been an employee of Tektronix. Some months before, an interested friend persuaded Glen to apply for work here. He had interviews with Don Kepler, our personnel director who heard Glen's story and was impressed with his courage, work attitude, and self confidence. Glen was told that there might not be work here that he could do, but if he was sincerely interested in coming to work here and had the patience to wait for a possible opening—he would hear from us.

Duncan Bergeron, in charge of Plastics Department, thought he might have something that Glen could do and was willing to give him a try. Thus far the move has been a wise one for Glen and for us, and this is not merely an end to a story but a beginning—each day seems to show more promise for the full utilization of Glen's ability.

Glen was born in North Carolina, coming to Oregon in 1936 at the age of 17. Two years later, the accidental discharge of 94 blasting caps in a logging camp at Valsetz, Oregon drew the curtain shut permanently on Glen's sight. Two operations were attempted but neither of his eyes could be saved.

Like many other sightless people, Glen attended the Blind Trade School at 84th and Glisan in Portland. This was during 1939 and 1940. It was here that Glen met his wife Evelyn. She is also totally blind. They were married on April 20, 1940 and are now a full-fledged family, having a daughter, Helen, who is nearly 15 years old.

Indicative of his independent spirit, Glen bought a confectionary stand in Salem and had seven people employed. At the start of World War II he lost this business, and worked at unloading trucks, in cannerys and doing construction work.

In 1946, Glen and his family moved to Portland where they now

make their home, at 6006 S.E. Woodyard. He started a coat hanger business called Wire Specialties which prospered until the start of the Korean War, and this was lost also. Never giving up, he started a repair shop in his basement where he repaired and rebuilt lawnmowers and bicycles.

Since coming to Tektronix, Glen has already successfully run the vacuum forming machine which makes plastic front covers. He works on knobs, putting in the inserts. He runs the automatic drill press, drilling top holes in knobs and probes. He also runs a semi-automatic assembly machine which makes latch nuts, and operates the multi-drill press which is used for drilling filters, and graticules. He also does trimming on smaller plastic parts.

In the words of those who work with Glen. "There isn't a job he's been on so far that he hasn't done as well or better than the rest of us". This is certainly proof enough that a blind employee is not necessarily handicapped.

There are a number of others in the Tektronix family that are also limited in some of their activities and are performing very well at the jobs that they can do. Most of them are so well adjusted to their jobs and are so much members of the working groups that it would be difficult to determine, by a casual look around, which of our people are playing the occupational game with a handicap. Each of them, (we know), would probably have an interesting story to tell; some of them possibly more dramatic than others.

Let this suffice for now—that Tektronix is glad that there are jobs here that they can do on which their performance can be measured by the same values used for all Tek

In reference to the NEPH program Howard Vollum said, "The real credit for the success of the NEPH program goes to the handicapped themselves. It is not difficult to be enthusiastic when you realize that so-called handicapped persons equal or excel other workers in abilities and skills not affected by their personal handicap. Their job stability records are generally superior."

Ed. Note: It has been said that it is what a person can do, and will do that is far more important than what he could do, but does not.

Here's
 An opportunity to see a
 Tektronix Oscilloscope on display!
 There will be Tektronix instruments displayed at the Benson Polytechnic INDUSTRIAL TOOL SHOW, DECEMBER 12-13.

10 YEAR CLUB

Felicitations, that is, on the occasion of his tenth anniversary as an employee of Tektronix, John Taylor was surprised at a well manouvered coffee-break on October 22nd in the Beaverton Plant lunchroom. On hand to make the moment a memorable one were all members of John's Assembly Department and as many more of his close associates as could crowd into the lunchroom.



Bob Davis, Jack Murdock and Howard Vollum said a few words to honor John before the cake was cut.

Timing was just right to make it possible for Jack Murdock, Howard Vollum and Bob Davis to join the festivities that were coordinated by the Assembly groups. Bob Davis gave John a snappy verbal salute and promised that his twentieth year could be even better. Congratulations and expressions of sincere acknowledgement for John's contribution to company growth were extended to him by Howard and Jack. Everyone seemed to get a lot of enjoyment out of sharing coffee and cake with John on "his day", while he took his bows and admitted that for once he was speechless.



Marybeth and John celebrate his 10th Tek Anniversary.

John's wife Marybeth was present to enjoy the surprise with him.

John is a native Oregonian, living in Portland most of his life. He attended public schools here and graduated from Franklin High School in 1942. He worked with Western Electric as an installer before and after his service as a pilot in the Army Air Corps during World War II. John came to Tektronix in October 1948.

John is now Head of the Assembly Department which is responsible for taking fabricated and pre-punched metal chassis, wires, electronic components and hardware and assembling them prior to Test and Cal.

John, participates in the Men's Bowling League and Golf Club activities. He is still interested and active in a life long hobby of building model aircraft.



The 2 o'clock coffee break was a big one that day!

ELECTION INTEREST STIMULATED



Incumbent Governor Robert D. Holmes, Bill Webber and Tektronix employee, Betty Nichols (aspirant for the office of Washington County Treasurer) met in the lobby of the Sunset Plant prior to a pre-election tour of the Beaverton Plant.

In the interest of helping employees become better informed on measures, tax levies and candidates before the election, some positive steps were taken this year at Tektronix.

Jack Day discussed measures at a county level that he felt were of particular concern to us as employees and voting citizens. The high points of his discussion presented at a Group Representatives Meeting were reported in the minutes which were distributed on the Friday prior to election. A summary of findings reported by three non-partisan study groups League of Women Voters, City Club and Oregon Tax Research was prepared by Tom Williams and released in a

Scope Scoop distributed at the same time.

A casual tour of the Tektronix plant was made earlier by the governor-elect, Mark Hatfield, guided by Scott Foster. And then on Friday, October 31, Governor Robert D. Holmes was also taken on a tour, by Bill Webber accompanied by Betty Nichols from our Manuals Department who was running for the office of Washington County Treasurer.

We can be justly proud of the many employees who have taken the time to be personally interested in social welfare, health, cultural, civic, educational facilities and political affairs of the community in which they live and work.

Archie Yergen - in Tenth Year



Things mechanical have been the stock in trade of this Tek who recently clicked his vernier another notch to read a big 10. Archie Yergen began his tenth year at Tektronix on October 18th.

Like other pioneers of the Tektronix family, Archie came to work when each member of the organization was called upon to do a number of things. Archie has worked continuously in the mechanical end of the business, having first worked in the shop over in the Hawthorne plant. Then, on to making jigs and templates for instruments and when the Model Shop was born under Jim Morrow, Archie moved to that department where he did instrument mock-up and mechanical work.

Archie has been responsible for several improvements in our instruments. A couple in particular are the new cabinet design and the fan mount. The most recent effort on Archie's part, with the help of his co-workers, was the scope display rack artistically conceived by Ken Ireland and fabricated in metal and plastic.

At present, Archie is in the Mechanical Services group headed by Slim Sorenson.

Archie is a native of Oregon and lives with his wife, Joan, and 6-year old Carl in Aloha, Oregon. It may be a matter of interest to know that Archie and Joan's marriage was the first between two Tek employees in March, 1951. At that time, Joan Richards was Dal's secretary in Marketing.

During World War II, Archie worked as a mechanic for Columbia Aircraft in Portland; following the war, he came almost directly to Tektronix after working briefly at the mechanics trade in interim jobs.

You'll probably recognize Archie as the gentlemen that lured some of our fishing friends to the mountains with the display of his catch on the front page of Tek Talk earlier this year. Archie is an outdoorsman who enjoys hunting, fishing, boating, and camping. Exploring is part of Archie's success as both a fisherman and a hunter. He likes to find new trails and wilderness areas.

Auto-engineering also comes second nature to Archie who enjoys any thing mechanical.

Tools of the trade, a T-square and compass decorated the tenth year anniversary cake that Archie shared with his group.

OUR AUTOMATIC PAINT SYSTEM ...

A SHOP STORY
BY JACK CLARK

In last month's Tek Talk we described the Shop's new automatic etch. In this issue we cover Tektronix' new automatic paint system in the Shop.

Fed by 630 feet of continuous link belt conveyor trolley, the system consists of a two-stage power wash, convection drying and baking oven and a twenty foot water wash spray booth.

Located just North of the automatic etch, the automatic paint booth system presents an impressive sight to the viewer. We first notice a ceiling hung conveyor system that is steadily moving hundreds of parts hung from hangers into a large two-stage power washer.

The following paragraphs describe what is actually happening while this elaborate and impressive equipment is in operation.

First, Leonard Miller hangs parts to be processed on hangers onto the conveyor trolleys. Next, these parts enter the first stage of the power washer with the two portholes. Going into the first stage, of 1400 gallons capacity tank, the parts are subjected to a wash and an iron phosphate coating treatment. The coating or "Pre-fos" gives a "tooth" to the metal and acts as a binder between metal and subsequent paint.

Spray nozzles are adjusted to apply a maximum pressure of 22½ pounds per square inch to the largest parts and about 5 psi to smaller, lighter pieces. To insure good phosphate coating, low foam blanket and best cleaning action, a temperature of 155° F to 160° F is maintained in the wash stage.

Next the parts enter the rinse stage containing a tank of 700 gallons capacity, which is operated at about 125° F and up to 18 psi pressure, and which thoroughly rinses the washed and iron phosphate coated pieces. The portholes are viewing windows for observing the action of the wash and rinse stages. Tanks are heated by coils attached to the plants hot water system.

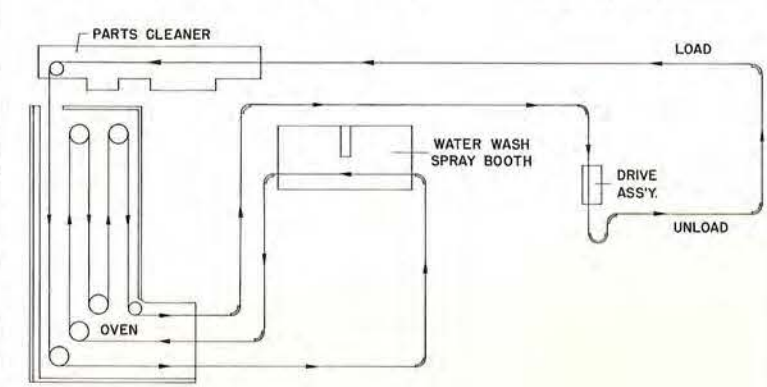


The Paint Crew: Bernice Lucas, Warren Bybee, Mel Ludwig, H. B. Lee, Bud Ward, Luke Crumly, Leonard Miller, Clyde Feitush, Bill Dunken and Walt Zoucha.

Now the washed, pre-fosed and rinsed parts enter the vast oven, which is a convection type and is a combination dry-off and bake oven heated by high pressure hot water supplied from the central heating plant. Heating is accomplished by means of two independent coil and fan assemblies, which are operated by two switches that control the three H.P. fans and Johnson controls. The Johnson controls are automatic and can demand heat only when their respective fan switches are in the "on" position. Temperatures are adjusted and maintained by a central control system and are based on conveyor speed and type of material being sprayed.

The parts, now passing through the oven in the dry-off stage, emerge from the Northernmost opening or "silhouette" at the North end of the oven and down past the spray paint booths. The term "silhouette" means special openings for the parts to enter or leave the equipment, such openings having baffle plates to prevent loss of hot air to the room atmosphere.

The parts now having been washed, pre-fosed, rinsed and dried are moving through the paint booths at about 6 feet per minute; and the pieces are now spray gun painted by two painters, the first painter applying the first coat and the second applying the final coat.



Entrance To Parts Cleaner

According to Walt Zoucha Supervisor of the Paint Department, two relief painters work through the coffee breaks and lunch time so that spray painting is maintained continuously from 7 A.M. to 3:30 P.M. and the conveyor system never stops during this period.

Clyde Feitush, Unit Manager over finishing operations, tells us that larger parts are painted three times as fast and smaller parts about twice as fast as by the old non-conveyor method.

Maximum conveyor speed is 18 feet per minute, but blue wrinkle, which constitutes the majority of the painting, is run at about 6 feet per minute.

The paint crew, composed of Warren Bybee, Jim Meeker, Bill Dunken, Bud Ward and Luke Crumly work alternately in teams of two. The parts have now been spray painted and will next travel from the spraying booths through a long stand off tunnel that sets the fresh paint.

From here the pieces move into the center of the three silhouettes, back into the oven where they travel 334 feet in the oven during the baking process at a temperature of 270° F. The diagram accompanying this article shows how this is affected.

Finally, washed, pre-fosed, dried, painted and baked, the parts emerge from the Southern most silhouette at the North end of the oven and travel about 200 feet in room atmosphere in order to cool them off before completing their cycle in the assembly section of the paint department. Here they are removed from the conveyor trolley hangers, ready for the assembly group of Aloha Jernigan, Bernice Lucas and Hanton Lee or Stock as the case may be.

Walt Zoucha told us that the 630 foot conveyor trolley contains 418 hanging hooks, and the time required for a complete conveyor cycle is about 135 minutes. He also added that around forty gallons a day of blue wrinkle paint is used in normal operations.

Many of the parts coming off the paint line require careful wrapping before leaving the paint department, and this work is expertly done also by the assembly group.

Besides the paint conveyor system the paint department also has an air dried touch-up paint booth for handling special jobs, and also a section devoted to hand dipping of rectifiers, this work being performed by Melvin Ludwig of Walt's crew. Melvin also works as an assembler when he is not engaged in dipping rectifiers.

It should be stated that the automatic paint system is a highly progressive example of modern industrial technique which came about through the combined efforts of Frank Maniatis, Marlow Butler, Ken Catto, Ash and a local manufacturing concern headed up by W.W. Ebmeyer (TempControl) and does a great credit to "Ash" Ashenbrenner's Shop Department.

The oven itself is the only one in the United States of the Plenum type that is heated with high pressure hot water. In the Plenum type oven, air is drawn from a chamber in the bottom of the oven and applied under pressure through numerous small orifices in a chamber in the top of the oven down onto the parts to insure an even application of hot air to the pieces. We are using a blue synal wrinkle paint that is one of the toughest and most durable of this type of paint manufactured.

In conclusion, the Shop's automatic painting system is worth one time to visit and view in operation.

It is another outstanding example of what a combined group of Tek employees can accomplish through its efforts and ability to create a most noteworthy addition to Tektronix manufacturing equipment—for producing the best with the best.

ACCOUNTING AND IBM

We have a proud new parent in our midst this month. Mr. and Mrs. Dale Tyson had a baby boy on Oct. 20, 1958. The new arrival was dubbed Steven Allen Tyson and weighed in at seven pounds and eleven ounces.

During the last week of August, Bob Leipzig journeyed to San Jose, California for IBM training. A highlight of his trip was the evacuation of the IBM plant's two thousand occupants because of an anonymous phone call stating a bomb was hidden on the premises. While in California, Bob also enjoyed a visit to our field office in Palo Alto.

Late in August, Norma Jean Samuells and family became the happy possessors of a lovely new home in Forest Grove. Tones of green and pink predominate in the color schemes and the result is beautiful.



WIRE CLIPPINGS— FROM UNIT WIRING

Carolyn Brejcha shot and killed a 250 pound black bear while hunting near Mill City.

Dixie Ensinger is moving to Boise, Idaho. We will miss our little redhead.

Alta Persons is taking a leave of absence until "next year", during which time she will undergo major surgery.

Aase Rhodes, Versa Eveland and Marilyn Caven are moving to Marvin Sprecher's group. Sue Savely goes to Norm Hardy's group.

Doc Harkleroad and Marilyn Caven spent two weeks "helping out" component test.

Vivian Peer, Hazel Peterson, Irene Phillips, Virginia Gilbo, and Martha Wood are leaving Marshall Jackson's group for Marvin Sprecher's group. Come back and see us.

New girls in Marshall's group are Doris McClure and Carolyn Wolgammott.

The pot-luck Jim Kurilo's group had November 5th was to say goodbye to Jim who will be a supervisor in Finals and Terry Pearson, Pat Dinger, Dorothy Grober, Marie Weisenback, and Bernadine Bradley who will be in Marvin Sprecher's new group. This, too, was "hello" to Al Peecher who is replacing Jim in Unit Wiring. Jim was given a billfold with a \$2.00 bill for good luck and a desk set including two pens and a calendar.

Marge Furnukawa was honored at a pink and blue shower at Dorothy Grober's home.

A shower was held for Phyllis Brandt who is also expecting a blessed event.

Vi Mills is with us now from Cables.

Jo Ann Binkerd and Pat Dinger have replaced their temporary cards with permanent ones.

If you're collecting recipes, ask Jim Kurilo about salted cake.

Rose Hankins is new in our group and Donna Wojcik is back with us.

OUT OF STOCK

The Stock Department would like to take this opportunity to thank all the departments involved for their patience and cooperation during the last few weeks while we have been shifting stock and trying out new automatic stock-keeping methods. If there are any complaints, please feel free to let us know—just as you have in the past.

Many people will be pleased to know that Paula Klahn, who left us about the end of October, is getting along nicely on her new job as X-ray Technician Trainee at Physicians and Surgeons Hospital in Portland.

There is a post card hanging on the bulletin board out in Unit Wiring that has a post script addressed to the stock department; it says, "I'm sorry I left before picking up the clip board I ordered, but I'll pick it up in about six months." The return address on this card is. Fort Ord, California.

HAPPY BIRTHDAY AL

Al is the man with the banging cans
Who is seen around our halls,
He is cheerful and gay
As he wends his way
To the tune of the Tennessee Waltz.

Twenty eight cards bearing 882 names wished Al Maxwell a Happy Birthday in the Beaverton Plant in mid-October.

Al wished to thank everyone for the beautiful birthday cake, nice gifts and Happy Birthday wishes that were given to him to honor his birthday. He said he feels the people he works with are the finest.

Myrl Sveta and Elvira Guild are the new girls in Stan Saety's group. Joe Maples is our new utility man.

Shirley Buzzell has a new baby girl, Julie Ann, born October 29th.

Louise Tuller and Edith Gross treated Stan Saety's group to pumpkin pie as a farewell to Harriet Virell, Lila Harrison, Irene Sherrick, Orpha Dailey, Flo Kociemba, and Vi Estabrook, who are transferring to Marvin Sprecher's group and Mary Cowden who is going to Norm Harty's group.

Edith Gross is the new social representative.

CABLEGRAMS

If you have noticed that the cable girls walk more sedately—it is known as the "requested" walk. No more "slipping around". We have a wide variety of shoes—but all with non-slip soles. We have no intention of letting valuable help be lost thru bad falls. We do thank the company for their concern and help along this line.

Our new girls are coming along just fine and I have heard it said that every month we get younger and prettier girls. If you fellows haven't strolled through our happy home lately better happen down some coffee break and get acquainted. There is Elizabeth Szarka, only 2 years out of Hungary. Her husband, Bill, works for Oregon Chain and Saw, and they love America. We are real anxious to get acquainted, Elizabeth, and hope you like us too. We have Jane Huifman and DeAnne Seaman, both 18, blonde, and unattached. All real sweet girls and nice to work with.

Well, we celebrated only two birthdays in October. Kate Hitchcock and Grace Hamlin. So far, we have not heard of a girl who has a birthday in November. No birthday—no cake!—and we have had 14 new girls this summer.

Social Highlights for the month included a "bachelor dinner" at Tai Ping for Fran Gamon Bull, (we had a gay time), and a Masquerade Halloween Party at Ruby Miller's home. Such a lot of really clever costumes! We are all agreed that Doris and Leonard Lewis should turn professional clowns. Their talents aren't especially underdeveloped even now.

ACCESSORIES

"You Name It, We Make It"

Joanne Everest spent her vacation in California. Had a wonderful time.

Bob Kaufman and wife spent their vacation around Heppner. They got a deer too.

Mildred Deardorff and family went to Eastern Oregon for their vacation. They got a deer and was it cold.

Grace Sherbeck took some licorice from Edna Horine's bench and pulled out two of her front teeth. Santa will have to get you some for Xmas.

Larry Holsey and Rudi Delakowitz are new members of our group. We're glad to get some guys. Girls, one is single.

We must be hard on the utility men. We had Jim Tennyson but he left so Norman Hardy took over for three weeks and then he took off. Now we would like to welcome Bill Stout. He is a little guy so girls be good to him so he will stay awhile.

Elnore Jacobsen's parents from North Dakota are visiting her. She is happy and hopes they stay until Christmas.

Barbara Burke is a relative of the Mayor of Beaverton now. A good person to know.

A banquet dinner was held Oct. 28th, at the Country Kitchen. Accessories and Wire Prep employees attended. A good turn out of 48 people. Fun was had by all.

TEST NOTES

Currently featured in the Test office, is an informal showing of oil paintings by Chet Murphy. These paintings were inspired by a stay in Silver city, a ghost mining town in Idaho. This town, quite isolated by the high altitude and lack of a good road, is watched over by an old resident, now functioning as caretaker. He safeguards the furniture and other antique items still preserved intact in the buildings—says Chet.

Mickey McKay, who was sent off last Sept. 16 with coffee, cake and good wishes for her wedding, is back all happily married and trying to get used to answering to the name of Mrs. Virgil Howard. In fact we're trying to get used to it too.

Among those who feel that a woman's place is in the home is Paul Bennett, who had a sobering experience while out hunting over the weekend of Oct. 19. Though he was armed with his brand new 300 Weatherby Magnum rifle with custom made stock and Bausch and Lomb scope, it was his wife with a mere little old 30.06, that landed a big four point mule deer.

A record for one of the earliest starts to work was hung up recently by Jack Gaeth—one known to be alert and bright in the morning and usually awake ahead of the alarm clock. On this particular morning he heard familiar noises, looked at the clock, noted that it was twenty after, and got started. The newspaper (which usually arrives a bit late) was early—preserving the illusion of normalcy. And it was not till Jack was well on his way to the plant that he realized he had misread the clock and was a whole hour early. Needless to say, he beat a hasty retreat back to that second cup of coffee and a more detailed examination of the funnies.

TRANSFERS FROM TEST To Field:

Jack Banister, Bob Southard

To Manuals:

Bernie Marek

To Instrument Repair, Staff Engineering:

Dick Winn

To Semi-conductors:

Lloyd Sharp, Larry Shelly

Friends are congratulating **Dave Robertson** upon receiving his ham license. His call is **W7GJQ**.

Byron Witt has been trying to maintain a weekly radio schedule in contacting John West of our Bronxville field office. John has a mobile rig on 15 meters. Illness and other intrusions—such as an electrical storm have kept the record to one good contact, so far.

FINAL SHORTS

A Birthday party was given, Oct. 29th, for Rohda Chalupa. Her 21st.

We were all glad to get Betty Spohn back from retirement.

Don Burkey has entered into the "Too Far Gone Club". He became engaged this Month. A winter wedding is planned.

Roger Noyes will never forget this Halloween we bet. He and his wife were expecting a visit from the Stork. The best of luck Roger, we hope the Goblins didn't interfere.

Things have been looking brighter for Jerry Gillaspay, this is due to his new Horn-rimmed, Personality Glasses.

A Farewell Party was given to Don Pratt the 27th of October. He has taken a job in Instrument Control. We'll miss you and your wit, Don. Bill Daily has taken Don's old job in Finals.

Others who have left us are; Bob Wruble, to Customer Service, and Walt Lowy to Circuit Design in Engineering.

John Shaw and Howard Bingham have been given a New Job title: "Junior and Senior Interdepartmental Co-Ordinating Engineers." Sounds good fellows!

SHOP SWEEPINGS ...

Ray Wismer recently returned from a two weeks vacation that took him to San Francisco, Los Angeles and Phoenix. He covered about 3500 miles in real good weather. However, Ray was in Los Angeles when the temperature reached 111° setting a record for that time of the year. He said it was just a little too much like being on the inside of a frying pan.

With apologies to "The Ancient Mariner", "water, water everywhere, and not a drop to drink."

Jerry Smith, one of our shear operators, who lives on 5 acres about one-half mile South of Beaverton, had his original well go dry this last summer.

He started drilling a new well with a post hole digger, but hit rock at 22 feet and said, "brother, I've had it!". So he hired a professional well digger with full drilling equipment to sink a hole in old Mother Earth.

They had to go down 172 feet to strike water and this required almost three weeks of drilling time. A new submersible motor and pump was installed under water with power cable and outlet pipe leading down the well to the equipment.

Incidentally, the motor is sealed in water at the factory and the

SWING SHIFT SHAVINGS

We've got some more new faces on Swing Shift—Ron Rogers, Jack Taunton and Jim Fagnant. Ron and Jack were recently with Iron Fireman but are happier here. Jim is a Physics major at Portland U now after putting in a stint as a junior engineer with the navy in a civilian role in missile tests.

Maybe Joe Demke trains his crew too well—someone comes along and grabs 'em. Don Miner has gone on days in etch—Don Mulvaney is on days in screw machines. So is Byron Flint but look for him back on swing. He misses us screwballs. Now we may lose Dot DeChand to Pre Prod Silk Screen. She's been bouncing back and forth between swing and days lately and we've been wondering what the attraction is! But seriously hope she gets the better job as she can do it.

Small note—that Larry Wells is still single—says he is working on it tho.

First Saturday nite swing shift has had off for quite a while saw a few guys gathered at one of the local spots. I saw one man dance with his own wife! Commendable for this crowd.

Hey now, circle Dec. 13th on your calendar for the "Shop Xmas Party". Swing is going 100%. Let's all go and make it the best event of the year. You know, if Aloha Jernigan has anything to do with it, it'll be a bang-up affair. Let's go!

Joe Demke's remedy for parts falling on the floor: "Sit on the floor and if anything falls up, we'll hand it down to you".

Come to the Beaverton Swimming Pool on any Wednesday night between 7:30 and 9:00 and enjoy a Swim with the Final Gang, on "Adults only night." See you there!

On the 27th of October twelve brave men, our Glorious Tek Talk Reporter, Jim McGill included, started on swing shift. These men were led by the brave Elk Hunter Dick McKinnon. The remainder of these night Fighters, er, I mean Finalers, are: George Bernert, Carrol Clason, Art Comstock, Ted Eisenbraun, Dick Fox, Ben Grossen, Jim Hardisty, Roy Hyde, Bob Rockwell, and Frank White. Jerry Eastman will join these men on his return to Tek, the first of next month.

Some of our more Fortunate Deer Hunters this year are; Gayle Cutlip, Carroll Wright, Don Reeves, Dave Lohr and wife, Al Peecher and Harry Tomkins got themselves two nice bucks, and last but not least, George Scott a "FOUR POINT doe".

water cools the motor and lubricates the bearings.

About every five years, motor and pump are raised up out of the well for inspection.

Everything is fine now, but Jerry says the first water pumped up was too thick to drink and too thin to plough. Lee Penson and Forrest Schuh, we understand, also had to sink wells so Jerry was not alone with water problems.

What was Clyde Feitush doing on Walker Road at 3:00 A.M. with a smelt net? Chasing wild ducks, or was it butterflys?

Edna Patterson is a new gal added to Etch. Also, three more into Silk Screen—Imogene Skye—Pat Behncke and Kathy Kyle.

Mary Lulow came back to work after a leave of absence and into Silk Screen. In the meantime, she has bought a new home. Frank Ball of the same department just purchased a new home. Good Luck and Congratulations to both.

Frank Amer's mother passed away and he left for Kansas—just returned.

Forrest Schuh got his "deer" and promised everyone in the department a steak.

"Hot Shot" George Riley hit a '176' on the nose for a free wash job. (In bowling, that is) What was the nights average?

The Shop Finishers were 100% for the United Fund. Every person contributed. It averaged \$13.00 per person. Isn't that something to blow about?

PLASTIC PATTTER

A visitor from outer space was found in the Plastics Dept. Engraving Room. Outer space being the large meadows and fields that surround Tek and the visitor was a field mouse. "Take me to your leader." The beast was captured by Walt Leedom, ably assisted by Cecelia Raun. Doris Beck then took over and turned the little fellow loose.

Betty Bohall Bags Buck! First day out Betty captured a two point buck in the Coos County. Congratulations to Betty. How about a steak?

Elaine Henry was officially welcomed to Plastics as a permanent employee by way of cake and coffee snack for her.

Eddie Panian lost a daughter or gained a son or—well, anyhow, her daughter was married and the couple left on their honeymoon accompanied by bathroom tissue and tin cans unselfishly donated by several Plasticats.

Had the pleasure of riding in Duncan Bergeron's beetle, or as the French say "ze Citroen" (or car). I must admit this is without a doubt the finest riding car there is. It's like one passenger (a real cat) said with a look of ecstasy on his face. "Daddy, you know—Man, like riding in a marshmellow."

Several Plasticats went out to see David "Bud" Rogers at his new place of business—Rogers Drive-In—located East of Gresham on the Mount Loop Highway. It is a fine place to eat especially on the way to or returning from Mount Hood.

Tektronix, Inc.
P. O. Box 831
Portland 7, Oregon

BULK RATE
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Bernice Lucas is quite a useful little gal, not only works in the Paint Department as an Assembly Engineer, but has ben helping out in Etch as well.

Welding room gals and fellows say no news this time, but we'll try and cook up a corker for the next issue.

Bill Dunken received a letter at Tek. Ask him the contents.

Walt Zoucha reports his operation was a success. Check with him on the details. He also tells us the twins are doing great, but hasn't brought them down for all to admire.

Hauton Lee's problems are almost over with, he's been remodeling and just a little bit more. All he can say is, "I didn't realize things were so darn expensive."

Leonard Miller transferred from Rudy's Dept. and is now a regular 'Chain Gang' member.

Audrey Critchfield was out a week with th old flu bug. Glad she's back.

Bernie Bernard is still fighting the battle as Group Representative and doing mighty good job.

Most of the hunters got their deer this year. Les Purcell got a four pointer. How many points did you say the one had that you got, Grant?

Dorothy and Ray Fornshell (& family) spent two weeks in Minnesota because of Ray's Mother passing away on September 18th.

Domie and Tootie Zoucha had the back of their Olds run into. Tootie came home from the hospital Sept. 26th, but she still has a brace on her back and neck.

Betty Brown, Lorraine Irwin and Bob Wright were appointed at the last group meeting to arrange for the needy Christmas family from this dept.

SHIPPING NOTICES

Arrivals—

Nancy Lynn docked in at Tuality Hospital on Oct. 15th. Parents are Clint and Betty Parmley. She weighed in at 7 lb 1 oz.

Vernon Howe and Vernon Fredrickson joined the shipping crew in recent months.

New racks arrived and were installed to take care of the increasing number of scopes.

Expected Arrivals—

Stewart #6—expecting to dock at the Floyd and Rosalie port sometime in February. Will post notice upon arrival.

Departures—

Vernon Howe, who recently joined our crew set sail for the CRT Department.

Paul Bell, Captain of our crew, received birthday honors during the month. October 15th was the day. Buck Luck—Bud Jones brought home a nice three-pointer from John Day Territory.

Chinook Hooking—Pete Parsons battled a 22-pounder and finally won. This was down at Nehalem Bay.

As for the birds—Doug Dwight brought down two on opening day.

Ham Club Sparks New Interest

At a regular monthly meeting Oct. 29, initial steps were taken by the Tektronix Employees Radio Amateur Club to plan activities for the coming year along channels of highest interest. Four main categories of amateur radio club activities were listed to guide members in answering nine thought provoking questions. Answers to the query will be discussed in future meetings and will be used by club officers and the program chairman in planning interesting activities for meetings and field projects.

Contests, Instruction, Speakers and Social Gatherings listed as main categories were hoped to prompt members to think of additional activities that might create new and continued interest in the club.

The Ham Club has a "shack" near the Carpenter Shop on the Tektronix Retirement Trust Industrial Park property. If membership grows, as expected, they will probably hold meetings in one of the larger conference rooms in the Plant. Deane Kidd's talk on the use of the Type 575 oscilloscope for checking transistors was highly interesting to the group that crowded into the "shack" for their October 29 meeting.

Nominations for new officers to be voted on at the next monthly meeting were: President: Earle Pahlka, Bill Johnson and Chuck Mallison; Secretary: Delle Witt, Al Carpenter; Treasurer: Al Stewart, Leo Heimeck Activities Manager; Byron Witt, Burt Eberly; Program Chairman; Dick Sakkrissen. Vice-President of the Club, Paul Buchco serves a two year term because he is the custodian of Ham Club gear and registration with the FCC bears his name.

Possibilities of club activities offer a variety of activities from technical sessions to family get-togethers. Any amateur radio enthusiasts are encouraged to contact club members or come to the next meeting and contribute to its success by making the club an active employee group.



A rather unusual climb to top slot in the Men's 6:30 Bowling league has been experienced by the EIGHT BALLS. This team draws on the bowling "skill" (?) of six men. Three have averages as of Nov. 1 of 137 scratch, two roll about 145 and only one, Hank Hildahl comes within a respectable area of good bowling with an average of 164.

With an average handicap of about 27 pins, this team has taken enough points to be at the top of the list. It will be interesting to see how long the "breaks" and a high handicap will carry them.

Rodger Carter was the only bowler in the league to bowl over 500 scratch the last week in October with a high game of 231. Eckelman still holds the high game—high series scratch spot.

Everyone in this league gets a weekly report of bowling results thanks to Ed Hopper, league secretary.

Bowling results for other leagues are also posted in the Beaverton Plant and copies are supplied to all bowlers.

TEK TALK



REGIONAL - NATIONAL MEETINGS ATTRACT ENGINEERS FALL WIND UP OF TRADE SHOWS FEATURE INSTRUMENTS



The Tektronix booth at CANADIAN IRE, TORONTO. Informative answers to intelligent questions.

AUSSIE VISITOR WINS NEW FRIENDS



Tom Ward

A representative of Electronic Industries, who is our distributor for Australia, visited Tektronix November 13th. This very likeable gentleman is Tom Ward who is presently head of the Import Division at Electronic Industries.

Mr. Ward lives in Ashburton, Australia, (not far from Melbourne) with his wife and two daughters, ages 19 and 14. He was away from home for 9 weeks on an extensive tour 'round-the-world by way of Italy, Germany, France, England and then the United States. His main intent on this whirlwind tour was to visit principals of Electronic Industries and contact potential principals. In order to accomplish as much as possible in a short period of time, Mr. Ward visited companies during the day and flew to various destinations at night.

Mr. Ward stated that he considered business over when he left Chicago and headed for Portland, as Tektronix is their favorite principal and they have no problems with us.

Electronic Industries employs 4000 people in more than 14 plants and is considered the General Electric Company of Australia. They manufacture communication equipment, radio, television and appliances—even a service-type oscilloscope that sells for \$100.00.

The Import Division, of which Mr. Ward is manager, employs 250 people with offices in 5 cities.

Mr. Ward's infectious personality made many friends during his short stay.

TORONTO

The fall wind-up of electronics industry trade shows began in TORONTO on October 8. The Portland group of Dal Dallas, Dick Rhiger and Bill Polits were on hand to bring the latest developments in Engineering at Portland to the Field Group that met in the host city of Toronto.

Eastern Division Manager Scotty Pyle, Marvin Crouch and Udo Lindenmeyer from Toronto, Ray Lisiecki from Buffalo and Bill Kladke from Syracuse made up the Tek group from the Field who attended the show. Elizabeth Neilson, Field Secretary in Toronto was extra busy taking care of the details peculiar to trade show days and 'visiting firemen'.

According to a report from Marvin Crouch, over 9000 technical visitors attended the show with a very high percentage visiting the Tektronix booth.

Udo Lindenmeyer, instrument maintenance engineer at Toronto, manned the camera that brought these excellent photos to Tek Talk.



Ray Lisiecki Buffalo—hard at work.

CHICAGO

The entire Central Division Field Engineering group converged on Chicago for the NEC show on Oct. 13-15. Byron Broms flew in from Portland and was joined in Chicago by other westerners that had been in Toronto. Will Marsh also visited on his way back from attending a technical writing seminar—held in New York. Bob Seaberg sent along some slides of the show but many of them would not reproduce well in black and white, however, a view of the display rack and array of instruments gives us an idea of the

(See picture—page 2)

attention getting booth. Russ Fillingier asked Inge Kreymer to forward one view of a trouble shooting session featuring George Edens, Bill Polits and unidentified assistants that, except for the obvious oscilloscope, looked very much like a crap game. (If anything was faded—it probably was a beam!)

The Central Division now numbers a total of 28 people who represent and ARE Tektronix to our customers in the mid-continent area of the United States. Field Offices of the Central Division are located in Chicago, Cleveland, Dallas, Dayton, Detroit, Houston, Kansas City and Minneapolis.



Bill Kladke, Syracuse and friend, Dual Beam 551.



John Adams, and some serious consideration.



Scotty Pyle, unidentified exhibitor, Ann Elliot—Boston Field Secretary, and Chris Christensen from Bronxville at the NEREM.



Scotty, Marvin Crouch, Dick Rhiger, Dal and Bill Polits. Marvin is Field Engineer in Toronto, and visited the factory in Portland this summer on a 're-calibration' tour.



Dick Phillips, at the NEREM



Lee Heaton, Boston and an interested observer.



Scotty Pyle and Dal—Communication personified!

BOSTON

In addition to the Boston Field Office group, the NEREM Show held in the Mechanics Building on Huntington Avenue was attended by Eastern Division Manager Scotty Pyle and Chris Christensen from Bronxville.

Dick Phillips stated that judging from past NEREM shows this one was a great success. Aside from the usual comments about Tek equipment, all good of course, there was a very interesting turnout. (Even Miss Massachusetts was there—witness the expression on Chris's face in pictures accompanying this article.)

Theme of the Northeast Electronics Research and Engineering Meeting (NEREM) this year was, 'Today's Electronic Developments—Tools For Tomorrow'. The national show stresses manufacturers and their representatives and provides spacious display areas where manufacturers may show their instruments to visiting engineers. Basically, the NEREM is an engineering meeting much like the IRE Trade Show and Convention, and trade shows in the electronics industry follow most generally the same format. Display and demonstration of instruments and informative answers to intelligent questions is the type of showmanship appreciated by the engineer visitors.

Instruments shipped from Portland for these shows included the Daylight Portable Type 317, Type 310, Dual-Beam 551, Type 543, Type 545 and Type 524AD oscilloscopes along with an array of pre-amplifiers, generators and Scope-mobles.



Chris Christensen, Bronxville (Curve Tracing!) and Scotty Pyle.

Tek Talk

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- Keglers Korner — Don Pratt

Departments are asked to notify the Editor if Reporters named are not currently correct.

SHADES OF MR. SCROOGE!

We've never had it so good...

The following office rules were effective less than 100 years ago in this country. They were enforced by Zachary U. Geiger, sole proprietor of the Mt. Cory Carriage & Wagon Works:

1. Office employees will daily sweep the floors, dust the furniture, shelves, and showcases.
2. Each clerk will bring in a bucket of water and a scuttle of coal for the day's business.
3. Each day fill lamps, clean chimneys, and trim wicks. Wash the window once a week.
4. Make your pens carefully. You may whittle nibs to your individual taste.
5. This office will open at 7 AM and close at 8 pm daily, except on the Sabbath, on which day it will remain closed.
6. Men employees will be given an evening off each week for court-ning purposes, or two evenings a

week if they go regularly to church.

7. Every employee should lay aside from each pay a goodly sum of his earnings for his benefits during his declining years, so that he will not become a burden upon the charity of his betters.
8. Any employee who smokes Spanish cigars, uses liquor in any form, gets shaved at a barber shop, or frequents pool or public halls, will give me good reason to suspect his worth, intentions, integrity, and honesty.
9. The employee who has performed his labors faithfully and without faults for a period of five years in my service, and who has been thrifty and attentive to his religious duties, is looked upon by his fellowmen as a substantial and law abiding citizen, will be given an increase of five cents per day in his pay, providing a just return in profits from the business permits it.

Be worthy of your hire!

GASTRONOMICAL STATISTICS

At a recent Personnel Department meeting, Elsie Rohrer gave out with some very interesting bits of lunchtime statistics.

Vi Cunningham, Mary Cramer and Myrtle Barker are on Elsie's permanent staff and are assisted now by Rachael Cressy at the Sunset Plant. Delta Stratton also is a part time helper and works from 8 A.M. to noon at the Beaverton Plant.

Those hard boiled eggs we have been enjoying are made that way at a rate of 3,780 eggs a month or 190 eggs a day. Pastry is consumed at the rate of 31,680 pieces a month. (20 working days) Hot sandwiches are served at the rate of 3,360 per month, cold sandwiches are supplied 4,080 per month. Individual pies, 3,120 per month. Potato Chips, 3,360 bags per month. Salads, 4,900

per month. Fruit: Tomatoes—a lug a day, Apples—A box a day. Cantaloupes went at the rate of 60 serving a day. Grapes—approximately 50 bunches a day. Soup; 6,240 servings a month. A total of 40,000 cubes of sugar are used a month to sweeten either tea or the 78,400 cups of coffee that were served in Sept.

Preparing and serving all of the above keeps the Snack Bar girls really moving without mentioning the innumerable other snack-paks, vending machines and condiments that are kept on hand to serve our hungry throng.

If anyone has a calorie chart it might be interesting to convert these figures and see how well fed our Snack Bar keeps us. A great number bring their own lunches of course and only use the lunch room as a place to eat.

G.P.M.C. TOURS PLANT



Tour Guides: Kenny King, Quality Control; Chick Furchner, Quality Control; Lee Crowell, Mechanical Design; Henry Haase, Engineering; Bob Jellum, Accounting; Forrest Schuh; Quality Control; Bill Sedig, Quality Control; Scott Foster, Purchasing; and Leonard Nelson, Test.

This group of Teks were hosts to members of the Greater Portland Management Club when they made a plant visitation to the Beaverton Plant, November 12. The film, "The Tektronix Spirit" produced by Frank Hood of our Engineering Department was shown to the group after which a talk on Tektronix as a growing company in the greater Portland community was given by Scott Foster. Following the tour a panel was formed by the guides and Don Kepler, our Personnel Director. Kenny King acted as 'master of ceremonies' for the tour arranged by Tom Williams with the cooperation of departments in the Sunset Plant and Panelcraft that sent displays, and departments in the Beaverton Plant that placed work samples out for viewing.

By special arrangement, the Shop Etch operation scheduled work for that evening and Field Engineering Training sent Jim Johnson over with a scope display. Refreshments were prepared and served by Elsie Rohrer.

The Greater Portland Management Committee members were at the plant on special invitation from Jack Murdock. G.P.M.C. has several active members here at Tektronix and is an organization of people that are concerned with directing the work of others.

In the spring of 1957 the Northwest area of conference of the National Management Association awarded Jack Murdock the "Silver Knight" award on recommendation of the G.P.M.C. as "Management Man of the year".

SOCIAL SECURITY TAX

On our first pay day in 1959, January 7th, Tektronix will be required by law enacted by Congress this year to begin deducting more money for social security taxes from our pay checks.

There are two changes in the law:

1. The tax rate on both employers and employees will be increased from the present 2 1/4% of payrolls to 2 1/2%.

2. The higher rate will apply to the first \$4800 of an employee's earnings, instead of the present limit of \$4200. This will involve a maximum deduction of \$120 this year, compared to the maximum of \$94.50 for 1958, which Tektronix matches with a like amount for each employee earning at least \$4800.

(Based on 1900 employees, the increase alone could represent a maximum possible contribution from Tektronix of \$48,500. Or, a possible total contribution of about \$228,000 annually.)

These changes are effective for the first pay check received in 1959, regardless of the fact that this pay is for services performed in 1958.

A further increase is expected during 1960-62 when the tax will be 3% instead of 2 1/2%. The extra tax is intended to finance additional Social Security benefits for us, our families, and our survivors. Payments eventually, according to the schedule, will be as large as \$254 monthly to a family group.

Specific information about your own Social Security account can be obtained on request from the U.S. Government through their local office of the Social Security Administration at 926 South West Fourth Avenue in Portland. Their phone number is CA 6-3361.

TEN YEAR TENURE ENJOYED



Bob Strutz

Bob Strutz, in charge of our Shop Tool Crib, recently became another "Tektronix Tenner". On November 1st of this year Bob completed ten years service with the company.

His entire decade with Tektronix has been devoted to the Shop, which makes him particularly valuable in the Tool Crib as he is familiar with all phases of shop operations including the Paint Department which he also worked in for some time.

His knowledge of shop procedures combined with a friendly and helpful manner, makes him a valuable asset to the shop organization.

Bob recalls that when he started with Tektronix, there were only seven or eight people in his department and much of the present labor and time saving equipment was non-existent.

Bob's home town is Council Bluffs, Iowa, and for two years he operated the shaper in the Tool & Die Department of the Glenn L. Martin Aircraft Company in Omaha, Nebraska.

Bob spent four years with Fred Meyer Company before joining Tektronix.

He has been married for 35 years and has four sons and a daughter and fourteen grandchildren.

His hobbies are hunting and fishing and making temperamental gasoline-propelled vehicles behave properly.

Congratulations, Bob, on completing your "Ten", and best wishes for golden years in the future.

How To Pitch An Umbrella Tent

by Vern Bartlett

Now that vacations are over and everybody is back in the saddle it seems timely to recall some of our summer activities and some situations pertinent to the season. We have particularly in mind some helpful hints for camping and this article will deal specifically with setting up an umbrella tent.

First of all you have to be going on a camping trip and, naturally, the tent must go along. You go out into the garage and remove several hundred pounds of assorted debris and, sure enough, there it is, right where you put it last fall.

Umbrella tents usually come in canvas bags. Since the bag is not big enough for anything else, the poles come in another smaller bag. Likewise, the stakes are in their own, even smaller bag. These three make a handy bundle weighing in the vicinity of two hundred pounds.

Since you are acutely conscious of the need for shelter, these are the first items you put in the car. You then put all the rest of the junk in on top.

When you arrive at the campsite, still conscious of the need for shelter, you take all the junk out of the car to get at the tent, poles and stakes. The last time you packed the tent you were tired out so that it was not rolled up tightly enough. As a consequence you were forced to jam the tent into the bag, making for an extremely tight fit.

Under this circumstance, extricating the tent is a two man job but this time you are alone so you have a choice of (a.) Slitting the bag with your hunting knife, (b.) Nailing the bottom of the bag to a stump and pulling on the tent and (c.) Using strategy.

After having used strategy you choose a logical site for setting up the tent. This should be reasonably level and free of rocks and sticks. You unroll the tent in this location and look around for the stakes. They are not in sight so you look through all the junk. They're not there either. Finally, deciding you left them home, you get the hatchet and set out to make stakes.

Since there is nothing but sagebrush within a radius of two hundred miles you make stakes out of sagebrush.

Twenty five minutes later you return with eleven stakes and four blisters. You drive the stakes through the loops around the edge of the tent bottom, taking care to stretch it neatly.

Now, most umbrella tents come equipped with a tall pole for supporting the center of the top. This system involves meshing the pole with a device in the top center and raising same. So you crawl in the opening, dragging the pole with one hand and groping for the center with the other. (It's dark in here.)

Finally, bringing these two parts together, you walk triumphantly forward and lift on the pole at the same time. When success is almost within your grasp the bottom of the pole hooks on the front of the tent floor, the pole bounces back, everything comes apart and you start all over again.

This time you deftly lift the bottom of the pole and up goes the tent! At this point you pause momentarily to reflect upon man's superiority over material things.

Almost all umbrella tents are equipped with a small canvas square sewed in the exact geographical center of the floor. The bottom of the pole must rest on the center of this square. But, since you have stretched the bottom too tightly when you put in the stakes and the tent has shrunk since last you used it, the tent is erected, but with the pole about eighteen inches off center.

Being a stickler for neatness you decide this odd angle has got to go. So you grab the pole firmly with both hands and proceed to pull, lift, tug, yank and puff until the pole rests neatly on the center of the small square. By now there is a noticeable wow in the pole and the tent is so tight you can play it like a bongo drum.

After a fifteen minute break you tackle the next problem. This is raising the flap which, in the catalogs, is referred to as the canopy. It is supposed to be used to ward off sunlight. Usually it comes in real handy as a roof under which to stand when it rains.

The canopy is raised with two wooden poles and ropes in the outer corners. You get all this arranged and move out with one rope, only to find that where the stake belongs there is a patch of three-foot-deep loose sand. The other stake is hindered by a twenty ton boulder.

This means that the tent will have to be turned, and, since you insist upon camping comfort, you take the whole works apart and turn the tent ninety degrees.

By this time you have done all this you are practically exhausted and it's too dark to see anyway so you forget the whole thing and sleep in the car.

INSTRUMENTS DISPLAYED AT NEC—CHICAGO IN OCT.



Byron Broms, second from right, explains instrument specifications to an interested engineer-visitor to the NEC show in Chicago. The Tektronix display of oscilloscopes, plug-in amplifiers and auxiliary instruments attracted many of the thousands that came to the Midwest meet.

(See story—page 1.)

IBM... Poughkeepsie - Kingston

A TEKTRONIX CUSTOMER STORY by John West

John West
New York Office



Located on the banks of the Hudson River, 75 miles north of New York City, lies the City of Poughkeepsie and one of IBM's several sites throughout the United States.

At the present time there are 85,000 people working for IBM. Of this number, 61,000 are in domestic IBM and 24,000 work for IBM's World Trade Corp. There are approximately 20,000 IBM'ers in the Poughkeepsie-Kingston area.

In the Poughkeepsie section, research development and manufacturing are done on data processing equipment, large scale computers, punched card machines, proof machines and punched paper tape machines.

At Kingston, twenty miles north of Poughkeepsie, we find the Military Products Division of IBM. This division builds the SAGE computer and electronic equipment for the B52. There are approximately 10,000 IBM people here. The total number of Tek scopes at Poughkeepsie and Kingston is close to 3,000, with just under 500 smaller instruments. There are eight different test departments located in the Poughkeepsie-Kingston area, and at least five of them spend 80% of their time scheduling Tek equipment for periodic checks.

In Poughkeepsie the electronic accounting machines have become the IBM electronic giants that provide automation in offices and research centers. Many major corporations in America today use the IBM 704 and 705 machines. In almost every important piece of recent scientific research, the IBM 705 has played a vital role. With each 705 installation that leaves Poughkeepsie, they include two 535's, one 531, one 53/54C and one 53/54B as standard equipment. Each 704 installation includes a 535 and a 531. The 705 has put modern record keeping on the production line. Through its magnetic tape carries the processing of records from raw data to complete and final reports in one continuous operation. In industry, for example, stock inventory, which has always been an unwieldy chore, has been made permanently easy by the 705. This machine does away with the recurrent trials of periodic inventory—it keeps a continual inventory. It not only records stock exchanges and levels, but writes the orders for new or needed stock.

For insurance companies the 705 is an invaluable boon. The magnetic tape of the machine can store all the information on every policy the company issues. The machine examines all the policies for possible errors and corrects the errors. When premiums are due, it prints the notices for the policyholder, and later records his payment. For the statistical tables, so necessary for insurance operations, the machine can compile information in a matter of minutes. Many are the wonders of the 705.

And many are the wonders, also, of the 704. It has become the strong-arm of scientific research. From a minimum of data it can produce a maximum of information. After evaluating information, it can arrive at complex decisions, predict radical changes and effects.

The Vanguard Computing center in Washington, D. C. was established for the purpose of calculating and predicting the orbits of U. S. scientific satellites. It is operated by IBM under contract with the Navy. At the center, IBM calculates orbits based on reports received from Minitrack Radio Tracking Stations which pick up the radio signals from the satellites. IBM computers were able to calcu-



Six technicians from IBM's Department 780 (Test Equipment Engineering) repairing Tek scopes. This department spends approximately 80% of its time recalibrating Tek equipment.



Mr. John Kasakowitz, a Technician, on the left, with Mr. Helmut Faasch, Associate Engineer, on the right. Mr. Faasch is in charge of Department 780. When IBM supplied these pictures they pointed out that these scopes had been brought in especially for the purpose of taking pictures. They wanted us to be sure to include this in the caption, as they did not want to give the impression that all these scopes sit on the shelf gathering dust!

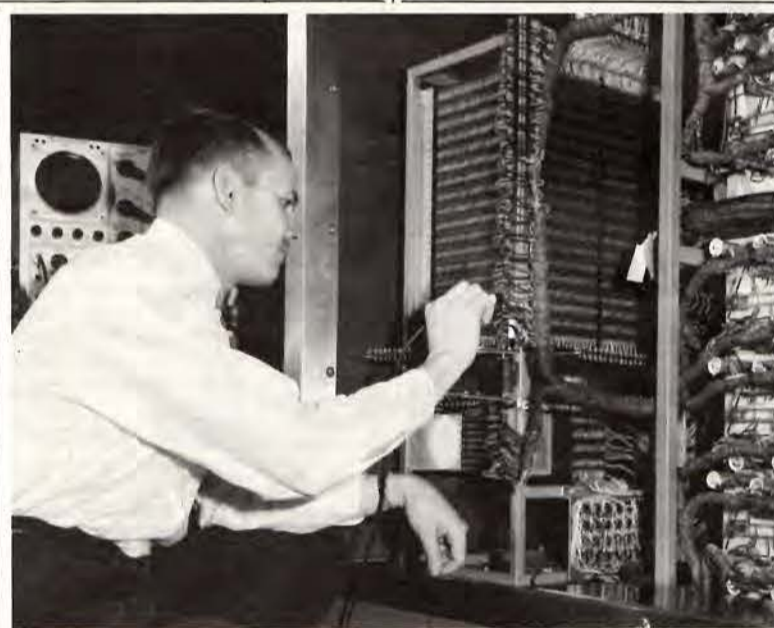
late and accurately predict the orbits of the Russian satellites very soon after they were launched. Similarly, these computers have traced the U. S. Explorer Satellites.

Another 704, located at Cape Canaveral, Florida, is used to monitor rockets in flight. This machine actually tells the scientist involved whether or not the rocket is on the right track and, if it isn't, warns them so that it may be destroyed with the destruction switch.

The first of the 700 series large scale computers were rented for from \$17,000 to \$65,000 a month when they were installed in 1953. There are now over 200 on rental throughout the United States. The first IBM 650, a drum calculator—an intermediate data processing machine—went on rental in 1955. They charge from \$3,750 to \$16,000 a month for it, and there are now more than 1,000 of these systems installed.

With the first RAMAC during 1957, IBM believes they have another new major product line under way. This is also an intermediate data processing system, but it fulfills a different need from either the 650 or the 700 series. Its average rental is \$3,300 a month, and it is called RAMAC. RAMAC means Random Access Method of Accounting and Control. It is unique because it can handle the processing of business transactions as they arise rather than requiring that these transactions be accumulated in batches before processing. Research and developing is conducted in San (Si Corn land) Jose, California. Most of the service on the RAMAC in the field is done with 310's. In fact there are approximately 1500 Type 310's scattered throughout IBM's field offices.

At the large, attractive, three-story, 1/3-of-a-mile long building located in Poughkeepsie, the Manufacturing Department produces the



At the Boeing Airplane Company, a Tektronix oscilloscope is used to check the "memory" bank of a big IBM-705 computer.

— Boeing Airplane Company Photo

machines that have been the shortcuts to 20th century progress. They both manufacture and assemble here. To be absolutely sure that the equipment is of high quality throughout its operation, it is tested and retested. At Plant #2, which includes manufacturing, test equipment engineering, etc., there are approximately 575 Tek scopes.

Working with the test equipment department is an Instrument Repair group headed by Mr. Helmut Faasch. His group initially repaired and recalibrated 200 scopes plus 105s and 180s. However, Mr. Faasch has recently taken over all of the maintenance of Tektronix equipment at Plant #2. This efficient Instrument Repair group includes ten men. However, now that they have to maintain more Tek

FINAL FOLLIES...

We welcome our two new stock room helpers, Ed Davis, transfer from the Stock Dept. and Jim Bond, who is new at Tek. We hope you can put up with us. Best of luck.

We were sorry to lose Dick Forsyth and Bob Wruble who transferred to Instrument Service. Good luck.

Roger Noyes' wife presented him with a bouncing baby boy last month. Congratulations, Roger.

When asked if he had any news, Eldon Cedergreen said "no". Well, anyway, Eldon we wish you, your wife and your new "son"? or "daughter"? the best of luck.

We were glad to have Rhoda Chalupa back to work after her illness.

We send our best wishes and a speedy recovery to Esther Neuruer who has been under the weather for the past few weeks.

KIT PREP.—COMP. TEST

Hazel McGee was honor guest at a pink and blue shower Nov. 14 at the home of Elaine Kinsman. Twenty-four guests attended and all had a jolly time. She is now on leave waiting her special Christmas Bundle.

Thanksgiving feasting was hastened by a very special pot luck in the Kit Prep area Nov. 17th. Special guests were; Marietta Kilgore, who transferred to Requirements, and Marvin Sprechler who left for Mech Assembly as Group Leader. So we bid them goodbye. We welcomed Winifred (Sally) Watts from Mechanical Assembly and Richard Hall (from Standard Oil Corp.) to our department.

Component Test has a new member, Edna Lohr, from Unit Wiring who has become a permanent addition and several girls have been loaned to give us a lift, among them Marilyn Cavens, "Do" Harkelroad, and Loretta Hormel.

The Bill Love's spent Thanksgiving visiting friends in Shelton, Washington.

Our congratulations go out to Don Burkey who is to be married December 27th. His wife is a school teacher in Forest Grove. Good luck, Don!

Girls, don't go around unchaperoned. Vince Bail has been seen chasing little old ladies in his car. Easy does it, Vince.

If anyone has any questions on wood lore we have the Daniel Boone of the Twentieth Century. Our Daniel is Al Hand. He's a real woodsman from way back.

Lee Wagner has started a safe driving campaign. This campaign is intended to force Dick Trythall from driving his car on public roads. Keep up the good work, Lee.

The Final Dept. selected two families to help on Thanksgiving. The food baskets were warmly and happily welcomed. I'm sure we would all like to thank Roger Noyes and Lee Wagner for delivering them in our name.

We of the Final Dept. would like to wish everyone in our Tek family a "Merry Christmas" and a "Happy New Year". In case our wishes arrive late, we would like to be the first for next year.

WIRE CLIPPINGS

Rosalie Stromberg and husband spent a weeks vacation in Canada recently.

Evelyn Meyers left us to join the group in Quality Control. Evie will repair and inspect. Good luck on your new assignment.

Since Marilyn Caven has transferred to Marvin Sprechler's group, Geoa Becker has taken over her duties as group reporter.

Lalah Smock is mighty proud of that brand new grandson born Nov. 20th in Tennessee. Named Terry E. Smock, Jr. and weighing in at 8lbs. 14oz., he makes Lalah "Grandma" for the fourth time.

Helen Sherrod with husband Don (Engineering Dept.) and Paul Bennett and Larry Abney (Test Dept.) and Ralph Show (Manuals) returned last week from an Elk hunting trip on the South Fork of the Walla Walla River. Two elk were brought home by the party.

Alta Persons who recently underwent major surgery is recovering rapidly at home. She sends word she expects to join the group for a Christmas Smorgasbord. We'll be expecting you Alta.

TEST NOTES

A Halloween Costume party was held by the women in the Line Tuning Group, Nov. 1, at the home of Harla Kauk. Among the many colorfully garbed guests were Betty Carter and husband in Spanish costumes, Jardis and Buz Brookens as male impersonator and female impersonator respectively, and Irene Parsons and husband, who appeared at the door in nightgowns, and nightcaps holding candlesticks.

"Bon Voyage" was the theme of an open house for Mr. & Mrs. Earl Wantland at the home of Mr. & Mrs. Wayne DeVaul, Sunday, Nov. 9. Earl and his family have since departed for the Isle of Guernsey where Earl will be doing his bit for Tektronix.

Charlene Colby is back with us after an absence during which her son Mark Edward was born.

The lure of Elk hunting drew many of our sportsmen into the field, but only Paul Bennett (so far as is known) reported a kill. Among those who enjoyed the air and exercise were Dick Pooley, Bill Lukens, and Emil Evans.

Mickey Howard has left the Test Department to do lay out work for silk screening in the Pre-production Dept.

Mickey has been an avid amateur artist, but now she will turn from her oils and canvas to ink and anodized aluminum. But chassis are not unknown in artistic tradition. Famous artists have turned to chassis before. Was it not Goya who painted the Duchess of Alba?

CABLEGRAMS

The Cable Department is one of the better fed groups in Washington County. We have a custom of providing treats for the crowd on many occasions such as; becoming permanent employees, anniversary of one or more years with Tek, Engagements, Weddings, new babies or grandbabies, or just wanting to say thanks for any reason. Well, it is a nice custom and when you consider the fact that we also have pot lucks that **these** treats do not include, you can see why I say we are so well fed. These occasions are so numerous I usually don't mention them but I thought you might like to know about our latest treat. (It might start something throughout the plant.) We had planned to all bring pie and cream for a Pie Thanksgiving Treat—and so we did—and were we surprised when six of the girls newly made permanent provided turkey and the rest of the dinner! We give honorable mention to Maxine McCabe, Lois Rowlands, Joan Stephens, Monttie Wallis, Kate Hitchcock, and Lil Walker. These girls are **not** up for transfer so it will do you no good to ask us.

We have one new girl this month, Phyllis Moe. She has a husband and two children and we hope to get better acquainted. I have found out she is a marvelous seamstress. The line carrying yardage forms to the left.

I must mention the cute new dog houses we have. They are used for set-ups for smaller cables and are about half size. We call them "puppy houses". We have tried to think of a nicer name for these affairs that hold the pre-cut wires, but we have never come up with anything. We are all women in here and it seems natural for a woman to have a doghouse.

CRTeasers

Small Parts and Cathodes people have had occasion for frequent parties or get-togethers. A downpour of rain didn't halt the thundering group headed for the home of Ernie Estes and wife Helen at Beaverton Hylands.

The next week Dee Blohm's house in Cedar Mill Park was target of the party going herd.

Lastly, the troupe ventured to Forest Grove to view Aileen Haywards family home. Each family was presented with appropriate gifts as a memento of the group's visit to their new home.



Ann Sullivan

On October 29th, CRT gals gave a housewarming to Ann Sullivan at her new home, 2430 S.W. Sandalwood avenue. She was very surprised and pleased with her party.

Ann has been with CRT for a long time as a part of Jack Neffs' crew and has a special job sealing stems to guns on a huge sealer. The sealer is fast and automatic and keeps Ann at constant attention. It is easy to locate Ann at CRT. Just look for a small, dark, curly headed gal with a beautiful smile.

Happy New Year

PROD. ENGINEERING

Two men in Production Tooling Dept. have made Oregon their home. One is Fred Timmins, who came here from Des Moines, Iowa in Oct. of 1957. He was employed there as a Tool & Die Maker for the Western Tool & Stamping Co.

Fred, with his wife Pauline, daughter Karen, age 9, and two sons, David 8, and Kelly 5, now live in the Cedar Hills Area.

The other fellow is Harold Bullock, whose home was in Palo Alto, California. Harold was employed by G.E. Micro Wave Lab, in Palo Alto, before coming to Tek. His wife, Barbara, and two children, Mike 4, and Chris 7, like it real well up here.

On a recent Deer hunting trip to the Mt. Hood Area, by four men of Prod. Tooling, Herman Ball, Bert Eberly, Roy Slack, and Fred Timmins; Roy Slack bagged a 5 point buck deer that scaled 185 lbs. This deer had a perfect rack of antlers and made a fine trophy for Roy.

Congratulations to Bud Sundby, Bud Kiem, and Don Turk and Hank Jorgenson, who all had additions to their families in the months of Sept. and Oct. All four of these fellows work in Production Maintenance Dept.

Ben Brazauski and Armond McDowell, who have both been building new homes, have recently completed them and moved in. A job well done, I understand.

The Stereo, Hi-Fi bug has bitten hard in Prod. Eng. A large group of fellows are building their own sets in their spare time at home. These are to be a high quality set from a design by Marlow Butler. Our lunch hour conflag is now made up of Stereo Hi-Fi conversation.

CAPACITOR CAPERS

The Capacitor Department was very happy to hear of the engagement of Joan Lukens, daughter of Ruth Lukens, Capacitors, to Jess McNeil Jr. son of Lorraine McNeil, Capacitors. Just another way of showing the world we are one big happy family!

Charles Judkins, brother of Ruby Carter, spent a two week furlough from the Merchant Marines with the Carters. He is stationed on the East Coast.

Get Acquainted Day is still going strong with the different groups furnishing the cookies. This event takes place the 1st day of the month.

This department is still growing with Jean Crawford, Doris Ziegenbein, Clarice Fowler, Jessie Cole, Evelyn Paul, on days, and Eva Niekirk, Janet Heisler, Lurina Young and Thelma Fritz on the swing shift in the Capacitor Department and Margie Parkin in the Pot Department.

Vern McAdams, inventor of gadgets and gimmicks, had his wife in the hospital over the Thanksgiving Day holiday. She is at home now recovering from surgery and doing fine.

Lloyd Morris is still at Portland Sanitarium and would like to have visitors either there or at his home. You could call and find out where he is at the time this edition is out.

DELAYED LINES

The Coils enjoyed a very nice potluck recently. The main dish was Swedish Sausage made by Nadine Eades.

Arlyne Wolgamuth has some Siamese kittens for sale as Christmas gifts.

The Coil Department is planning a Christmas party at "Ye Old Town Crier", December 10th.

The Department party on the 8th of November at the Grange Hall was a huge success. Music for dancing was furnished by the swing shift.

SHOP SWEEPINGS ...

Mr. & Mrs. Tom Ruyle had a blessed event December 1st. (7lb. 14oz.) A boy! Congratulations to Tom and June. Perhaps a brand new "Big Ten" quarterback is in the making.

Willie Franck and his wife, Jackie, who works in Ceramics, recently spent a weeks vacation in Mexico and returned with some beautiful hand tooled leather wallets and purses they bought while in Tijuana. According to Willie, one of these items that would retail for \$20.00 in the United States, can be purchased in Mexico for about \$6.00. The vacationers visited Disneyland on their way South and altogether covered about 2500 miles on their trip.

Small Jig And Tool Group



Elmer Barber



Ben Brazauski



Bunch Dixon



Howard Ewan



Joe Gayton

Let's get acquainted or re-acquainted again, as the case may be, with the boys in this department. We'll introduce them alphabetically, as space permits, in successive issues.

Elmer Barber has been with Tektronix three years. He formerly worked for three years in an auto glass shop.

He has two daughters and his hobbies are hunting and fishing.

Ben Brazauski joined Tektronix three years ago. He worked ten years for Collins Radio Co. in Cedar Rapids, Iowa. Ben has three children, all girls, and his hobby at present is the building of his new home.

Bunch Dixon has been with Tektronix three years. Before that, he was foreman of the welding and paint department at Iron Fireman for seventeen years.

Bunch has two children, a boy and a girl, and his hobbies are fishing and bowling.

Howard Ewan, who has been with us seven months, was shop foreman at P.G.E., where he worked for fifteen years. He has a five year old boy and his hobby is camping out.

Joe Gayton started with Tektronix seven and one-half years ago.

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BULK RATE

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PLASTIC PATTEN

Andy Briggs is the proud owner of a Renault. I hear this car corners like a fiend. (I can not substantiate that fact as I could not find a fiend in the act of cornering; as a matter of fact, Daddy, it's like I don't find no fiend doing nuthin.) Anyhow, Andy, we will assume it turns.

The male population of the department gave a pot luck for the girls. The food was delicious and was considered a great success. Incidentally, the host for this event was Mr. D. G. Bergeron who poured the cider and generally entertained. Signed (So-si-ti Editor)

FLYING CLUB NEWS



Dan Delano, Test

While some of us are talking flying, others like Dan Delano and John Kobbe's wife Geneva, are putting in time and effort at the task. At last reports Geneva is almost ready to solo.

Dan began flying one month after joining the Flying Club last March. By June he had completed his instruction to the point where he was ready for his first solo flight in the club's J-3. At least 8 hours of dual instruction time must be logged before a student pilot can solo in the club's aircraft, and this figures out to be roughly 1 hour per week for Dan.

After completing his solo flight and flying around home base for a few more hours, Dan was ready for cross-country instruction. With Jerry Van Grunsven of Wiks Flying Service in Hillsboro, he was off for Madras and Lebanon, Oregon. Successfully accomplishing this flight, our student pilot was ready for his solo hop to Astoria, Oregon, for their annual fly-in. Here he was chauffeured into town for his dinner and awarded a trophy for being the youngest pilot present. Dan commented that many of the people attending the Astoria Fly-in were 50 years of age or over.

The day before Labor Day, Dan flew the J-3 to Sunnyside, Wash., near Yakima, to visit his uncle. Starting back, a trifle late and running into strong head-winds in the Columbia gorge, he put down at The Dalles airport. Here he met a gentleman who offered him a lift home in a Cessna 172 because the club's J-3, being a trainer and not equipped with navigation lights for night flying, would have been the wrong plane to try to fly home in the waning daylight.

Dan elected to stay with the plane, whereupon the man offered him the use of his car, since The Dalles was on the other side of the river and miles away. So as our gentleman friend flew off, we find our student-pilot left but not stranded. Telephoning his intentions to people at home, he spent the night in a hotel in The Dalles. Next morning, he was off for home with a whole day ahead to plan his flight, instead of what a few student-pilots have mistakenly done, trying to stretch the daylight.

Here, then, is the beginning of a good pilot. Another Tek has taken to the air for pleasure and for profit, for who would deny that flying is today's way to travel, not only for the young but for the wise.

All Tek employees who may be interested in Flying Club Membership are invited to contact members for further information.