

Personal Counsel Service Aailed Tek Employees

In line with Tektronix interest in better human relations, Tek people can now receive skilled counseling on personal problems of any nature. The program will be under the guidance of John Wallen. John is the clinical psychologist and director of research for the Boys and Girls Aid Society of Oregon. Since the first of this year he has been serving as consultant in human relations for Tektronix. John Wallen is not a part of any department, but operates as a private consultant on human relations problems for the benefit of everyone.

Assisting with the counseling program will be Bill Bessey. Bill has a fine background for this work from his graduate training in psychology at the University of Oregon and experience as counselor for the Veterans' Administration and former faculty member at Portland State College. Bill also worked for the Oregon Mental Health Association for a period. In addition to Bill Bessey there may be another counselor added later to help John, depending upon the workload of the group.

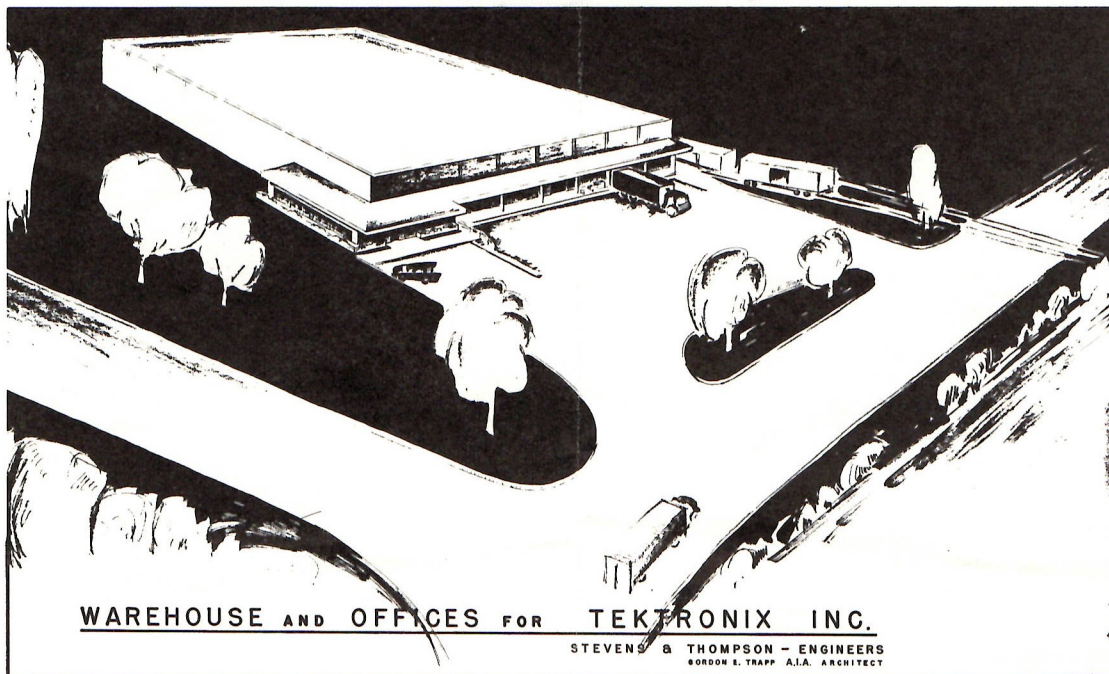
In beginning this program limited time will be available each week for people who wish to schedule appointments. Bill has been released by the Personnel Department to work with John Wallen in the counseling program for two afternoons each week. John will also be able to see some of the people on days when he visits the plant. To make an appointment any person in the plant merely needs to telephone the receptionist (Ext. 301) and ask for a counseling appointment.

Don Ellis Elected To Presidency Of Tax Institute

Don Ellis, our Controller, was elected President of the Tax Executives Institute in April.

The Institute is a national organization whose membership is limited to the tax administrators of industry and business. (Professional tax people, like C. P. As. and attorneys are not eligible for membership.) It's underlying theory is to establish a working relationship for freely exchanging pertinent information between the company representatives and various officials of governmental agencies. Don has put in a lot of good work for the local chapter, and has served previously in the offices of vice-president and secretary. Membership locally is comprised of 20 individuals representing lumbering, banking, public utilities, and other types of large businesses such as Jantzen, Oregon Saw Chain, Georgia-Pacific, and Tektronix.

The high interest in their work is apparent at the twice yearly meetings that draw about 50% of the membership to the convention sites. These meetings are three day workshops featuring panels made up of officials from the Federal Internal Revenue Department as well as State Tax Administrators and members of the Tax Executives Institute.



WAREHOUSE AND OFFICES FOR TEKTRONIX INC.
STEVENS & THOMPSON - ENGINEERS
GORDON E. TRAPP, A.I.A. ARCHITECT

Warehouse First Building In Park To Be Completed In Early July

Construction of our new warehouse is progressing rapidly in spite of weather handicaps that slowed initial stages of building in March and April.

Located south of the railroad and west of the Beaverton Airport, the structure has been designed to feature a parking area and landscaped approach on the south-east corner. A concrete block unit of 1000 sq. ft. attached to the warehouse on this corner will house office facilities for users of the building. The warehouse itself will be tilt-up concrete construction with glue laminated beams. Covering a storage area of 32,000 sq. ft., the building will be compared by early Tekes to the first building on the Sunset Hiway site which was planned for production purposes and was only 23,000 sq. ft. in area. Part of the total 32,000 sq. ft. will be sub-leased by Tektronix to Beaverton Transfer. Designed by Stevens and Thompson, a Portland engineering firm, the warehouse will be an attractive building that can be readily expanded to take care of increased needs for warehousing in the Beaverton area.

The storage space may be effectively increased by a last minute provision for future construction of a balcony over part or all of the warehouse. Two doors will be sixteen ft. wide so skids of aluminum sheet can be taken by lift truck from the freight car right into the building without shifting the load. The extra wide doors permit the twelve foot lengths of skids used to handle the aluminum to go through the doors lengthwise. In addition to metal stock, such supplies as laminations, CRT bottles, cardboard cartons and eventually ceramic materials which will lend themselves to warehousing will be stored there. Many of these materials are purchased in carload lots at the present time; with a railroad spur now available the advantages of rail-freight direct to door shipping will be gained. Tektronix has been renting about 19,000 sq. ft. of storage in Portland warehouses. Material now housed in these areas will be transferred to the new building as well as most of the central stock items now served from the Main building.

The warehouse of supplies at the new site will necessitate the relocation of the Stock department. They will make the move to the warehouse when it is ready for occupancy, about the middle of July, we hope. Regular delivery schedules between the warehouse and plant will be set up to take care of the steady demands for production material. The area known as the upstairs Quonset, Customer Service Stock and the new Receiving bay will be maintained for the in-plant storage of produced parts and items that will not lend themselves to warehousing. The overall long range plan will allow a much smoother control of material and supplies. Evacuation of the present stock area when it occurs will give the production people about 1800 sq. ft. more room in which to expand.

The land on which the warehouse is located remains the property of our Retirement Trust and will be leased by Tektronix, Inc. and others as more of the Industrial Park is developed.

These Medics Form Tek Industrial Staff

Already familiar to many Tekes who have had occasion to use the First Aid facilities, or who have been introduced casually are these three welcome medics. Arlene is our regu-

lar day-shift nurse now and Lucylle comes in on Swing. Dr. Bernard consults with them every Thurs. morning concerning special problems requiring his attention or advice.

You will find in their background, reassuring experience, and in their personalities—pleasant familiarity.



Lucylle McLain



Dr. Bernard



Arlene Willcuts

Lucylle McLain, R.N., is our nurse on Night Shift. Born and raised in Forest Grove, she graduated from Union High School there. She continued her education; graduating from Emanuel Hospital School of Nursing in 1940. Her post-graduate work in Obstetrics was completed at Emanuel, and from there she went to the Medical Clinic in Portland. In 1946, Lucylle decided being a 'career' girl was fine, but John and she felt home and family life held top priority. Mary Margaret arrived in 1948, John Warren in 1949 and Leanne in 1953. While the children were little, she served whenever and wherever her efforts were needed in County Health & Welfare projects. In April, 1954, she returned to Emanuel acting as head-nurse on the fourth floor of the hospital and as relief for the day-supervisors of the other wings. When she left there to join forces at Tek, she was head-nurse of the 4-North in orientation for the student nurses working the 11 to 7 night shift. Her hospital experience has covered just about everything as her floor received over-flow from other areas when beds were needed.

Church, P. T. A., O. S. N. A., plus family activities and projects keep her busy on her off hours. Her home is on an acre in Beaverton, which affords plenty of out-door activities.

Dr. Bernard was born in Long Beach California. He attended the University of California at Berkeley and received his B. S. in Chemistry there in 1945. He worked for awhile on the Manhattan Project (Cyclotron) and then went overseas as a Navy line officer. Returning to Washington D.C., he spent six months in the Office of Naval Research. It was here that he met Virginia, his wife, and she weathered the next few years with the Doctor while he attended Medical School at the University of Chicago. He received his M. D. there in June of 1950.

After internship in the University of Oregon Medical School and Clinics he went to the Marine Corps Headquarters in San Francisco for a period before going aboard the U. S.S. Dixie as Medical Officer. He served aboard this ship in the Korean War and spent some time in both Korea and Japan.

After Korean duty, Dr. Bernard went into practice with Dr. Alan Fischer in Gresham for a year before starting his own practice here in West Slope. He recently became a Ham. Call letters WN7IJU. An ardent fisherman, the Doctor is also a photography enthusiast. Besides his profession and hobbies he and Virginia have had time to start a nice family. Ricky, 8; David, 6; Mary, 4½; and Danielle 7 months.

Arlene Willcuts R. N., was born and raised on the Great Plains. She weathered the early thirties with her family in Kansas during the dust storms. Hard work was no stranger to Arlene and her education was gained through her own efforts. From Kansas she moved to Nampa, Idaho where she took her college and nursing training. From there she went to Nevada, taking a position with the Consolidated Copper Mines. In 1944 a night shift job with Firestone Rubber and Tire Company in Los Angeles became her second industrial position. Later, in the same area, she worked with an industrial physician. Coming finally to the Portland area she was employed by Libby McNeill & Libby (after a few months at the Portland Sanitarium) and now Tektronix.

Arlene has had post graduate work in Public Health at the U. of O. Medical School. She has been active in the American Nurses Association, is a past member of the Toastmistresses, and has taught Home Nursing.

Her father is with her now and she has a brother who is a missionary in Peru. Travel claims a high score on the interest side, with people a close second. She begrudges the speed at which time passes because there are so many wonderful things to do, learn, and see.

Tek Talk

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Veteran Tek Marks 10th Yr.



Howard Gault, the sage "Fibrous Engineer" of our Cabinet Shop, is now embarked upon earning his last extra day of vacation, thus entitling himself to all the rights and privileges of a veteran. On April 16th of this year Tek's first hired hand celebrated his tenth anniversary with tongue in cheek, patiently awaiting transportation to a new home at the site of our new factory building. Due to the nature of his present work, Howard's professional domicile has always been the least permanent of our permanent structures, since it is usually the first one built. When the move from our Hawthorne plant was started, Howard set up quarters at the rear of the present Assembly I room, staying there only until he crowded

himself out with his own good work. When the first quonset was erected (as a temporary warehouse) he fell heir to a small section of it, which he quickly transformed into a neat little cabinet shop.

Now, again, a 28 x 48 foot portable is being erected so that he can be strategically located to furnish the new factory. This is a great climb from the first cabinet shop, though, for it was comprised of about 40 square feet in one corner of our Hawthorne building.

Although it is now general practice to associate Howard with the Cabinet Shop, such was not always the case. His first job was to fabricate furnishings and finishings for the Hawthorne plant, but thereafter he gravitated from job to job as the need arose. Flexibility played a very important part in any employee's performance, then as well as now, so of course, Howard was put to the test.

After having completed scopes under the "fabrication to final" system of our early days, wherein each man did his own sheet metal cutting, punching, bending, etching, mechanical assembling, wiring, and final assembling, Howard began to settle down in the development of production methods for the shop department.

Sheet metal prefabrication posed a tough hurdle, as did heliarc welding, development of wrinkle finish, and the start of a records system for our shipping department. However, Howard's past experience as a Coast Guard Radioman, with ten years service, served him in good stead, leaving him equally adaptable as a painter, welder, wirer, wood butcher, etc.

Frankly, after looking this over, it's hard to believe that a person so wrapped up in his work could have a home, too, but he really does and a very nice one at that. Howard has two children, Leonard and Jackie, 15 and 7 respectively, both of whom attend school in Hillsboro; and a very nice wife, Mildred, who attends to all three of the previously mentioned.

Howard's hobbies, much like his work, have run the gamut, from one extreme to the other. From motorcycling to flying, from trout fishing to elk hunting, from model airplanes to sports cars, from golf to boating: Howard is an enthusiast of almost anything you can name. His most recent conquest was of the airways when he received his private pilot's license with the help of the Tek Flying Club.

Well, this could go on all day, so before press time catches me with my deadline down, Happy Anniversary, Howard!

Ed. Note: In order to get this sketch of the great Gault we enlisted the aid of our able reporter from Test, Emil Evans. Emil is a past protege of Howard's and knows of whom he speaks.

A Moment For Meditation

I WONDER

By Jeanette Mayer



Ed Note: The girls in Assembly II were impressed with the wonderful simplicity of this poem written by twelve year old Jeanette Mayer, sister of Marie Mayer, Assembly II.

I look upon the mountains

And I look upon the hills;

I look upon the forests

And I look upon the rills.

I look upon the grass

And I look upon the sod,

And I wonder how some people

Can believe there is no God.

TWX--RiverGroveIII.



Bob Seaberg, Field Maintenance Engineer; Ken Dellinger, Central Division Manager; Fred Mueller, part time student-technician; Paul Belles, Portland; Pat Maguire, Central Division Secretary; (Pat's marrying in May and plans to move to LA, new name Gandsey); Inge "Inky" Kre-meyer.

Our Tek group in the Windy City entertained a Portland visitor recently when Paul Belles, Head of the Shipping Department, dropped in to the Chicago Office. Paul was in Chicago to attend the 26th Annual Exposition and Conference on Packaging the week of April 8. He arrived accompanied by wife Wahnita, via a 5½ hour flight from Portland, and spent Monday thru Thursday at the Conference. Friday, Paul checked with the Chicago office about their shipping problems and also "got an idea of how the other half lives."



Kermit Fleck

Kerm Fleck recently transferred to the field from training in Field Maintenance, arrived in Chicago just five minutes before Paul was due to leave. Interesting observation on travel: Kerm drove back, leaving Portland just a day ahead of Paul. Paul had a full week of business under his belt and was checking out when Kerm arrived. Admittedly there was a blizzard to drive thru but you can't discount air travel as a boon to time saving.

Kerm was enroute to Bronxville for a briefing session before his ultimate location at the Baltimore Office.

TEST PROBES

Leonard Nelson, group supervisor in Test 5, doesn't believe in counting his roses before they bloom, but he does feel that with any luck he should have some beauties in time for this season's rose festival.

Nelson's roses are of prize-winning quality, and he has the hardware to prove it: A silver plate, (estimated value of \$60), for the sweepstakes runner-up award, won in 1953 for his rose "Madam Henri Guillot". Another silver plate in 1955 for the queen's rose on his "Sweet Sixteen". That year he won both first and second awards in this class; and his rose "Zenith" won him a silver medal from the American Rose Society for the best small flowering climber in the show.

Leonard lives at 12715 N. W. Barnes Road with his wife, Thelma, and an overgrown dog named "Penney" who likes to chase sticks. He has 60 or 70 choice rose bushes on his half acre. The only drawback is that the elevation is higher than most of Portland, and sometimes the roses trip him up by blooming too late for the rose festival in June. That is what happened in 1956. But with the mild winter and spring, Leonard is hoping for better luck this year.

In addition to raising prize-winning roses, the Nelsons have various other hobbies. They have recently become addicted to collecting antiques; and wife, Thelma, who appears a bit undersized for athletics, belongs to two bowling leagues where she makes a good account of herself.

Test Takes Scope to Sky For Check

by Robin H. and Roger H8.

Recently Tektronix supplied a very unique Type 531 to the National Bureau of Standards to be used in their high altitude laboratory in the Peruvian Andes. The elevation of this laboratory is 17,000 feet above sea level.

Our Field Engineering offices were canvassed without success for any info they might have on high altitude operation. It was suspected that the high voltage circuits would break down at this altitude, so a 531 mock-up was put together using a standard high voltage supply, F & 1 assembly, CRT and shield. Batteries were stacked between the power and the sweep chassis to supply the voltages necessary.

With this wierd looking assembly we had all the high voltage circuits operating normally and yet the entire unit weighed less than thirty pounds.



The next step was to carry this mock-up to 17,000 feet and see if we could make it work. The 'instrument' was loaded into the back seat of the flying clubs Tri-Pacer and by using cushions and pillows the instrument was propped up and held in position with the safety belt. By kneeling in the front seat and facing backwards, voltage readings could be taken without too much trouble.

Next, meters were loaded aboard along with a good supply of corona dope and Krylon spray. A bottle of oxygen was also taken along, however there was only one mask available.

When we had reached an altitude of 12,000 feet the scope and the oxygen was turned on. At this point everything was working normally. By trading the oxygen mask back and forth, breathing wasn't too difficult.

At 15,000 feet the corona was so bad the high voltage power supply failed, but up to this point no corona was found anywhere else in the circuit. We continued on up to 16,800 feet but could not get the supply fixed by using more corona dope or Krylon.

Back on the ground a high voltage

power supply was modified to reduce corona and arc over. This was tested by itself in a bell jar and it was found to operate successfully up to a simulated altitude of 25,000 feet.

Also because of such low air density the fan was modified by installing a DC fan motor.

The next trip we replaced the Tri-Pacer with a twin engine Beechcraft equipped with large enough inverter to supply us with enough power to operate the complete scope. In addition to the power supply we also checked temperature rise with thermocouples at different points in the instrument. (See picture of Roger—



inset.) The fan speed was checked by a strobe light. Readings were started at 15,000 feet and recorded at every thousand foot level up to a little over 20,000 feet. This time there was no corona or arcing, the temperature rise was normal and the fan speed increased sufficiently to make up for the less dense air.

Because of this rather enjoyable assignment Tektronix can now supply a customer with a special high voltage supply and fan motor assembly that has been proven to work properly under actual high altitude conditions.

In Your Corner--The Counselor



John Wallen

What Is Personal Counseling?

Personal problems are somewhat like colds. Everybody has them. Nobody dies from them, but they can make you pretty miserable. And if they aren't taken care of they can hang on and on, perhaps getting so serious that you condition becomes pretty critical. A personal counselor is a person who has had training in how to help other people talk over their personal discomforts and difficulties so that they can deal more effectively with them. Perhaps it is a disagreement between a husband and wife, problems with a child, concern over your mother-in-law, problems on your job, or maybe just too many worries. Talking them over with an understanding person can often help you to see the situation more clearly than you were able to before. Here are some questions you might ask about Tektronix Personal Counseling Service.

Isn't It Hard To Talk To A Counselor? Most people find it is easier because you can tell him things you might not want to say to some one very close to you. Besides, you know that he won't hold it against you no matter what you discuss. He won't think anything is "silly" or unimportant if it bothers or upsets you. His job is to understand what you are saying and to help you work out what you want to do about it. It's sometimes more helpful to "blow your top" to a counselor than to your supervisor or your wife.

Will Anything I Tell A Counselor Get Into My Personnel File?

Absolutely not! Your conference is strictly confidential. The counselor will not reveal your conversation to anybody else unless you wish him to. That means that he will not go back to your supervisor or department head with things you have said.

Can A Counselor Arrange For A Transfer Or Leave Of Absence?

No. The counseling service is not part of the Personnel Department. Counselors have no authority to request anybody else in the plant to do anything. If, after talking your situation over with a counselor, you decide you would like to transfer (for example) you will go about it in the usual way. The counselor could only help you decide what you want to do.

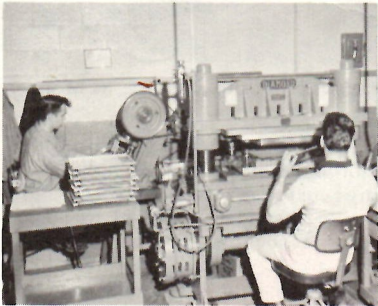
Should I Tell My Supervisor That I'm Going For Personal Counseling?

Yes. Of course, you don't need to tell your supervisor about it if it is arranged after your normal working hours. However, if it is necessary to make the appointment during your working hours, you should tell your supervisor you want to arrange for personal counseling.

THE PANELCRAFT STORY

A first impression does make a difference; and the front panel of an oscilloscope carrying the Tektronix label is designed to make that impression a testimony of superior workmanship and quiet excellence. The layout of the panel, switch marking, calibrations and the rest are a story in itself. Many departments and people are involved in the final drafted layout sent to photography for preparation of a master print that will be reproduced thousands of times etched into the front panels of our instruments.

Once the approved print is made and an order for panels is received, the work is turned over to Panelcraft, a department of Tektronix, located in the Sellwood district of S. E. Portland. And that is where our story begins.



Gordon Bennett, forming the rounded corners on panels, and Douglas Dwight to the left operating the corner clipper which removes excess metal left by the punch.

In the early days of Tektronix, the panel work was furnished by two outside firms. One of these was located in Portland and the other in Chicago. Since quality, quantity, and arrival of panels could not be controlled too well under these conditions, it was decided to try our hand in the etched panel business. Started in the fall of 1952, with three people: Manager Larry Vollum, Chuck Saylor and Don Olson, Panelcraft was located in Sellwood because of the acids and chemicals used in the manufacturing process. Following Larry's death, Derrol Pennington supervised the plant operation and continued to keep telephone contact with them after the process was somewhat standardized.

Harry Rieschel, now Department Head, states that an average run per month in 1952 was 600 to 700 panels. In 1953 and '54 the working force was increased to eight people and the order rate went up to 1100-1200 panels per month. Today, we employ twenty people with an average run of between 5,000 to 6,000 per month.

In July last year Panelcraft started its first real expansion program. An additional 2,000 sq. ft. was added to the original 3,000 sq. ft. This gave them the much needed room for added personnel and equipment. At one time when all of the panels had square bends and corners, the entire process was done here. Then came the formed panel with rounded sides and corners. Since Panelcraft did not have the space or necessary press to do this, the Shop accomplished the job for them. At the present time they form and punch all of the panels here except the "515" and will take over that operation just as soon as the needed forming die is completed.



Bill Lawrence, Lucille McLain R.N., Dr. Bernard and Harry Reischel, discussed used in gold plating the connector strips for certain portions of the oscilloscope circuitry.

In addition to the front panel work, Panelcraft does a variety of other jobs. All panel bushings and the graticule covers are anodized here. Brass

probe shells or bodies, manufactured at the main plant, are coated with black oxide. Brass eyelets, terminal posts and connector strips are gold dipped. These are dipped in a gold cyanide solution.

Editors Note: On a brief tour of the Panelcraft department, Lois Rieschel filled me in on the manufacturing sequence of the panel. As I remember it, this is what happens out there in Sellwood.

Alcoa aluminum with a special mirror finish is shipped in from the only source of supply, a mill in the east. This metal is brought in on a hoist and comes in sheets 4 x 12 ft.

Richard Knight shears the sheet to panel size, punches three racking holes on the edge, and then gives them the first over-all etching. This chrome etch gives the panel its familiar satin finish. They are then ready for a photo-sensitive coating.

Dave Rogers pours the photo-engraving glue known as the "Resist" over the panel on a rotating table that uniformly coats the surface. The panels are then carefully racked ready for exposure to the positive print that fixes the glue or 'Resist' in all areas except where the printed detail occurs on the positive. Cliff Wilson does this. Then the unexposed coating is washed out leaving, in effect, a stencil for the etching process.

It is understandable of course that if any flaws in the 'resist' leave a speck of unprotected metal it too will be etched. For this reason an asphaltum 'spotting' is done which seals the flaws. This is done by Harold Du Brau and Richard Sether, who also give the panel a shellac coating on the rear surface to protect it from the acid bath.

Roger Donato takes care of the detail etching in a bath of ferric chloride. Following the bath each panel is doused in solvent to remove the asphalt. The formed panels are then



Roger Donato to the left handles the 'iron etch' and Dick Knight on the right chrome etches the panels. Note the hoist for sulfuric acid.

formed before the 'resist' and shellac is removed with Tri-sodium and they are taken by Bill Lawrence and Herb Rustum to be anodized. (The square bend panels are carried on thru this process to be punched later.)

Now that the panel is ready for the finishing touches, the Paint group (currently Al Ramberg, Warren Leminx, Dale Thornton, Phil Hainey and Richard Jamerson), take over and roll on paint of the desired colors according to the code for the particular panel. The excess paint is floated and scraped away with hot water and a plastic scraper. Joe Jasper who is working with the painted panels does his finishing work at this point also.

The square panels are inspected at this point and sent on to be punched. Gordon Bennett, Arthur Hardmen, and Doug Dwight do the punching and return the finished panel for final inspection by Richard Senz and Lois Rieschel who also prepare the finished panels for shipment to Stock and Production.

Supervision of the Panelcraft process is Tony Klobertanz's responsibility. Tony is Harry Rieschel's right hand man while Harry makes frequent trips to the main plant to correlate production with other departments.

The day shift at Panelcraft is the same as at the Plant. The only 'swing' man they have is John Weigel, their Janitor.

SCIMAREC

On April 25 a shower for Jack Gath's expected baby was participated in by all.

Ing Stromberg showed off his new projector. We all enjoyed seeing his many slides of fine color pictures, and meeting Rosalie (his very best girl). Who, incidentally, is one of the outstanding graduating high school seniors this year in Portland.

Everyone missed Charlotte Peterson's helpful bustling around when she had to take time off to have a tonsillectomy.

Leola Coolidge took a week's vacation to get her spring gardening done, only if turned out to be sick leave.

Monttie Wallis and Jan Hoodenpyle heroically lent a helping hand at a tragic fire near their home which claimed the lives of two small girls.

Grace Hitchcock left us to join Cables. And Leona Costa and Lois Grimes deserted swing shift to come on days.

CABLEGRAMS

We had a very interesting visitor in our department, Margaret Johnson, a missionary, just home from Korea (mother of Bob Johnson in CRT).

Margaret told us many things about the life of the Koreans. We of course wanted her to look up our Korean orphan, Bok Mi, when she returned there. She feels she can find the child and tell her we do think of her.

Margaret told us of an orphanage in Seoul that was started by an American. They have 44 babies and no washer. Imagine all those white squares by hand! But washer or no, they take any abandoned child and care for him.

STOCK-AID NEWS

The Stockroom personnel held a surprise party for Marlys Gosser on Friday the 3rd of May.

Marlys, our Kardex recorder on the day shift, had just moved into Modifications where she will be doing their clerical work. We wish her every success in her new job and assure the Mod group that they are very lucky in their choice.

As a token of the many happy hours of her company we had enjoyed, she was presented with a myrtlewood trinket bowl.

In a bantering mood, one of our members broke into verse thus:

Oh Marlys, you've gone, what a dismal thought,
Think of us in our plight,
But now we can look at the Kardex
And know it's sure to be right.
When pastries were offered at coffee break,
We remember how you would grab,
And scream for someone to turn up the sound,
When they were playing a record by Tab.
We will always remember your kindly ways,
As your picture we see on the wall.
You'd run your fingers through our hair,
And call us your party doll.
Marlys, come back and see us,
A visit from you would be great,
Just stand at the stock-room window,
Ring the Bell and Wait!

SHOP

Saturday, April 27th, opening day for Oregon trout fishing saw many a shop lad—and lass—headed for his or her favorite fishing haunt.

No doubt numerous shop worker's dinner tables were graced with grilled trout that weekend, if luck was in proportion to eager anticipation and optimistic enthusiasm.

At least we hope there were not too many empty creels on the homeward trip. But for those whose luck was not up to par we offer the following balm:
Not a complete loss, an empty hook—
Not a day wastefully spent,
If Nature's beauty of lake and brook
Can spawn the thought, 'I'm glad I went.'

SHOT FROM GUNS

The care with which each component of the Tektronix Oscilloscope is coupled into the intricate circuits and the resultant perfection that we all strive to obtain faces a bottle-neck! Fortunately we have trained people to take care of this problem—the operators in the gunassembly section of CRT.

Gun making is done in four steps; namely, gun assembly, gun wiring, gun sealing, and final inspection and pinning.

The gun assembly consists of the various elements of an electron gun being mounted in a jig in a very exacting position which is held to a tolerance of .001 of an inch. Then the jig-gun is forced into molten pyrex glass rods which have been heated by an intense oxygen and propane



Day Shift

Front row, (l. to r.) Faith Lopresti, Virginia Peterson, Ann Sullivan. Second row, Anne Bloedon, Anastasia Haas, Laine Pettai, Marian Bozich, Florence Walker, and Minnie Coughlin. Third row, Bela Kirchner, Jack Neff, Carol Weik, Erna Normet, Margaret Earlywine, Harriet Van Valkenburgh. (Margaret is a recent addition to the group.)



Swin gShift

From left to right, Mary Lou McCleary, Rose Duane, Karen Hayden, another member, Libbie Getgen, was not present due to illness.

flame. This production method insures Tek of a consistently accurate gun for its CRT.

The wiring phase of the gun production consists of two basic operations. The first is spot welding nichrome wire which is used to connect the assembled elements to the gun. The second operation is spot welding various shields to certain elements to minimize foreign external interference. No soldering of any kind is used in this very exacting work. There is no sub-assembly in this step as each girl is responsible for wiring a complete gun.

After wiring, the gun is ready to be sealed into a two inch special lead glass tubing. Sealing is done in a special horizontal glass-sealing lathe. A glass stem which supports the gun is inserted at this time. All glass area is annealed to remove strains in the glass.

The department is proud of its latest acquisition, a vertical sealer, which will step up production greatly. We will try to give you a special report on this when it goes into action.

After the sealed gun is cooled, excess glass is cut off at a predetermined point in the gun. Filaments are checked; and the gun is ready for Final inspection.

Checking of X-plates, parallelism as to width and spacing, other miscellaneous checks, loose connections and then alignment of the gun inside the tube. The last step consists of spot welding and mounting the deflection plate leads to the gun.

The precision built gun demands the accuracy that individual thoroughness alone can achieve. It does not lend itself to assembly line production.

The ever important jig and other specialized equipment were developed in the Model Shop. The CRT maintenance men are responsible for the very fine spot welders that are used.

The group is trained not only for their specific duty but also many of them are capable of filling in at other stations. They are ably lead by congenial Jack Neff, a six year veteran of Tektronix.

HAM CLUB NEWS

On April 6, 1957 the last club meeting was held. Jim Strickland gave the first half of his very interesting lecture on antenna impedance matching. The second and final part of his lecture was given on May 4th.

The club name has been changed to Tektronix Employees Radio Amateur Club.

One of the major activities at the present time is the preparation for the National Field Day to be held on June 22nd and 23rd. At this time all of the country's radio clubs head for the hills to operate their equipment from emergency power for the weekend. Our club has a 5 kw gasoline driven generator to use for power. We are in the process of building a trailer on which to permanently mount the generator so it will be readily available for Field Day, or in the event of a disaster the club will be able to maintain communications from the scene of activities. Also, many of the club members have mobile equipment in their cars which can be used for on the spot reporting and the direction of emergency work.

Site for our Field Day operations has not yet been selected but a number of members are looking over a number of suggested locations. It is desirable to find a spot with good elevation and freedom from obstructions which would affect the propagation of radio waves. In the Field Day competition all competing organizations try to work as many situations as possible to earn the greatest number of points.

Welcome To Tek New Arrivals

Accounting			
Beverly Beumeler	Day	4-16	
Stock			
Beatrice M. Kock	Day	4-29	
Test			
George B. Smith, Jr.	Day	4-22	
Shop			
Howard Buzzee	Day	3-27	
David Deibele	Day	3-25	
Lloyd Smith	Day	3-25	
Richard Braniff	Day	4-1	
Frank Richards	Day	4-1	
Kenneth Catto	Day	4-8	
CRT			
Robert Chilson	Swing	3-27	
Bessie I. Tupper	Day	4-22	
Ed L. Cornilles	Day	3-18	
Mildred Richters	Day	3-19	
Production Staff			
Joseph (Jay) Chiodo	Day	4-8	
Field Engineering			
G. Duncan Doane		3-18	
William Ewin (Train.)		4-1	
Janice Martin		4-5	
Mae E. Jorgensen "Betty"		4-8	
Cables			
Joyce Fisher	Day	4-8	
Irmgard Jockers	Swing	3-25	
Production Tooling			
Herbert Sackett	Swing	4-15	
Shipping			
Hoy L. Godfrey	Day	4-15	
Materials Control			
Kevin Van Hoomissen	Day	4-1	
Building Services			
Karl Narits	Gyd.	3-31	
Herman Ziegenbein	Gyd.	4-22	
Personnel			
Lucille McLain (R.N.)	Swg.	4-1	
Arlene Willcuts (R.N.)	Day	4-16	
Field Information			
Margery Bardell	Day	4-15	

PLASTICATS

Helen Reed returned from a vacation trip to Arizona and New Mexico. She played tag with a tarantula but didn't have the heart to kill it.

Vern Bartlett was given a farewell party before moving to the Model Shop, his new location. Good luck, Vern.

The flu bug has been working overtime in our department but we think it's whipped now.

Birthdays were celebrated by Duncan Bergeron, Ella Beaver, and Val Arczynski, at a party Friday, all a year younger.

Our new quarters have us all agog. Just imagine, room to move around! The additional exercise will come in handy for all the girls going to the health studios.

CAPACITOR CAPERS

Mike Brand was welcomed to the department as an assistant in resistors and Tek-made pots.

Louise Jones has been off for several weeks with bursitis.

Margaret Pearson went to California unexpectedly to attend a funeral.

Lorraine McNiel's trip to sunny California was more pleasant, being a vacation jaunt. She returned with a new purse that looked like it had been down Nevada way. (Loaded?) She's been eating sparrow eggs to lose weight.

The bowling teams, Morley's 76 and Parker's Furniture went to Spokane for the Northwest Bowling Tournament, April 26th. Our good wishes went with them, for what good they might do.

We're proud of Marcelle Buel for her bowling in the Tek Tournament, 1st in singles and second with Kay Bartness in doubles. Her first year bowling and her first trophy.

Have you seen the Capacitors' new Zoo Department? Not really caged, but a new dustproof room with a hospital like atmosphere. Glamorous white gowns, and practically a sterilization of instruments with nary a sneeze allowed or pots will go to pot. Marcelle Buel moved in with the gals from capacitors.

The loss of Jo Howery was felt keenly when she left to go with her husband to Bremerton. They are opening a cleaning establishment there. (She has written to say we're missed too.) Dorothy Luker is taking her place in capacitor winding. Oscar Olson was missed during his illness, we're glad he's back.

CRTeezers

Dorothy Dunstan was honored at a surprise party shower on Friday night, April 5th, at the home of Virginia Olson. Virginia served a lovely buffet dinner to all the gals who work in small parts CRT. They had a very enjoyable evening.

QC



Hallie Todd said good bye to her pals around the plant and had the customary farewell party with the QC group. Her only regret was that 'boss' Kenny King was not on hand to help her cut the cake. Hallie first came to Tek February 8, 1954. Starting in Field Maintenance and working the switchboard, she then moved to Production in August of '55. Kit Prep kept her busy until October of 1956 when she moved into Quality Control. Hallie is going to be married to Roy F. McCurdy in July. They plan to reside in Forest Grove. "Tektronix was such a wonderful place to work", was Hallie's parting remark.

Kenny King has created a lot of interest in the Elkins-Clark trial. He is in the lock-up with the rest of the trial jury, and his department in the



meantime is keeping his memory alive with a scrapbook of news clippings and TV appearances concerning the jury and Kenny.

At the risk of his own freedom, Ed Egan managed to get the following shot of Ken in his "Cell". (Actually the jury is housed at the Campbell Court Hotel, in much more comfortable quarters we hope.)

SCREW CREW NEWS

Virginia Comstock is convalescing after an operation and short stay in the hospital. Good health in the future, Virginia.

Mechanical Assembly takes this opportunity to welcome Jack Hughes, new Group Leader, to the department. We wish him loads of luck.



NIGHT BEAT

Mechanical Assem. Swg. Shift

Albert Puschart arrived in the United States from Germany on Christmas Day. One month later, speaking very little English, he came to Tek. Now, a very few months later, he speaks nothing but English. Our welcome and congratulations to Albert. We're sure that Albert is a little more thrifty than we are, because he has told us that he has it all figured out when he will have a million dollars. He said "I'll be an old man but I'll have it." More power to you Albert, how about letting us in on your secret of how to save your money?

Editors Note: Albert left for service in the Armed Forces on May 15.

Barbara Krise, who also joined us in January has just returned from spending three years in Panama. Her husband, Robert, was stationed there with the Army. Barbara found it a little hard to return to America, because in Panama she had a maid to do her housework for her. This gave Barbara more time to spend with her two children, Paul and Daphne. Paul was born in Panama and Barbara says he is a real Panamanian because he was born in the Panamanian section of the hospital. It seems that the American section was filled at the time.

Velma Brooks, is also new in this department. Velma lives on a farm near Oswego with her husband Glen and two children. She enjoys horseback riding as a sport in the summertime. During the winter she relaxes at her sewing machine.

Working swing, the only time we really get to enjoy a meal is on the weekends. Therefore we enjoy potluck at work occasionally. Last week we had one and found out that we have several very good cooks in the department. If we continue these potlucks and if Dora Jensen continues to bring that delicious fudge of hers we will have to expand the department to make room for our expanding waistlines.

Our get well wishes to Doreen Carlson who is recovering from surgery in Emanuel Hospital. Hurry back Doreen we miss you.

Assembly Shifts

In connection with the recent changes of supervisory people from one area to another in Assem. some of the groups took note of the relocation with festive welcoming and 'going away' parties.

George Scott's girls in Assembly 2 did things up in fine shape with a banner, oversize farewell card, and all the trimmings.

According to the April 4 list the Assembly people are now working with the supervision of Unit Manager Wendell Ferland and Group Supervisors, Dick Easton and George Scott in Finals; Unit Manager Gerd Schwerin and Group Supervisors Phil Mallery-Kit Prep, Ruby Miller-Cables, Bob Kaufman-Accessories; Unit Manager Harold Edmundson, Group Supervisors Jack Hughes, and Stan Saety in Mechanical Assembly; Unit Manager Dick Montag, new Assistant Unit Managers Tom Sly and Norman Olsoe, Group Supervisors Allen Hayes, Marshall Jackson, Bill Hardin, Leonard Mason, Allen Buckley, Wayne James, James Kurilo, Werner Rasmussen and Bob Jackson, in Unit Wiring.



Goodfellow Birthday Celebrated-He's-39?

On April 4 the Ceramics Engineers and swing shift girls gave a surprise birthday party for Ted Goodfellow, Ceramics Production Engineer, on the occasion of his 'thirty-ninth' anniversary. They presented him with a fishing rod to catch the fish that got away. Now that Ted has acquired that famous age of continuing youth we wonder if his yen to travel will return?—or is that trailer on the cake just a gypsy's dream?



Tale Spinners



Prineville Buckaroo Breakfast Fly In

Tek flyers participated in a statewide fly-in breakfast at Prineville, Oregon Sunday, April 28th. Planes attending the annual event totalled around 100 and each plane brought up to four passengers.

Jack Murdock flew his four-place Bonanza while the Fly Club was represented in total, flying all three of its planes to the early morning activity. First takeoff Sunday was at 6:45 when John Kobbe and Cliff Moulton left in the J-3 via Mt. Hood to Prineville. Robin and Daisy Hoag flew the newly purchased Luscombe 8-F up the scenic Columbia River to The Dalles and then winged south over the Deschutes River. High-altitude straight-line courses led Roger H8, Jack Murdock and their guests to the 'all you can eat for \$1' outing. With

Roger and his wife Phyllis were Wayne and Betty De Vault. Jack sped wives Geneva Kobbe and Mari Le Moulton to meet their early-rising husbands.

Fly-ins are one of the major summer attractions for fly club members and their whole families. Prineville's Buckaroo Breakfast with colorful cowboys cooking and serving will always be an attraction to the air-minded.

The Old So'Wester



Here's Ed and the Ercoupe, at Montecrey.

Ed Bauder wrote in a letter to Cliff Moulton recently that he's finding many customers are fly-boys and many of them have offered to meet him at the nearest airport when he makes a call. Some of them he discovers have their own airstrips as well, which makes selling a real pleasure for a flight enthusiast.

Ed likes his little Ercoupe—landings are fun, and as he says, "No more tail-scratching for me!"

He's done very little business flying as yet, but with better weather ahead he's sure the Ercoupe will be taking him places.

Golf Clubs

The Forest Hills Game on April 23rd was played on a cool, rainy, and windy day. Nevertheless, the crowd was good; and the buffet dinner that followed at Hillsboro Supper Club was wonderful. Door prizes were one of the attractions; and John Mathews was the proud recipient of a nice set of kiddy-clubs amidst much laughter after a big build up. Kevin Van Hoomissen came out with a 39—it's rumored he won't be asked next time! (That's O.K. Kevin we still love you!) Don't forget to turn in all your score cards to Jim Peabody or Hal to establish your handicap for the tournament play in August. **Very Important**—The five best 9 hole games out of scores will be used. Everyone, **GET IN ON THE FUN!**

Keglers Korner

The Tektronix bowling season came to a triumphant close on Monday, April 22, with the awarding of the trophies and cash prizes for the Second Annual Tektronix Bowling Sweepstakes Tournament. Participating were 42 persons in Mixed Doubles, 21 gals in Womens Doubles, 42 women in Womens Singles, 29 men in Men's Doubles, and 58 men in Men's Singles for a total of 192.



Men's Singles—Will Johnson, 681—Bowled 681—High game, Will Johnson 244.

Women's Singles—Marcelle Buel—Bowled 627—High game, Molly Veale 194.



Men's Doubles—Sorenson-Reeder—Bowled 1373—High game, Willard Johnson 224.



Women's Doubles—Wilson-Lohse—Bowled 1179—High Game, Irene Wilson 222.



Mixed Doubles—Ash & Esther Ashenbrenner—Bowled 1202—High for Men: Don Sipe, 222. For Women: Janet Hoodenpyl with 268.

WHILE ON
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YOU
ARE
YOUR
OWN
Life-
guard

Tektronix, Inc.
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Portland 7, Oregon

Francis Frost
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Manhattan Beach, California

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