

Our Business Is Producing High Quality Instruments

A recently published article in the American Management Association, monthly entitled "What should Top Management expect from Quality Control", written by Mr. Wayne M. Biklen, states the following thoughts in part:

"Competition is making quality an increasingly important factor in business. In many instances, a high-mortality results among businesses because the quality factor has been eliminated or ignored. Anyone can turn out junk and many companies are doing just that in the mistaken belief that the public is generally unconcerned with quality. However, within a relatively brief period of time, these 'short term' producers find that survival is closely dependent upon a reputation built on quality. We are fortunate that modern control methods have been growing with machine complexity. The consumer is demanding higher quality through increasing competition."

TEKTRONIX' BUSINESS IS PRODUCING HIGH QUALITY INSTRUMENTS. We are in the market for future business and the kind of job we do on our products at the present time is one of the factors which cannot be overlooked. A high production rate is desirable, but more

important is the excellence of performance and workmanship. Appropriately enough, our plant motto might be: "It's not how many units, but how many **good** units we deliver to the customer each month." Each employee has a part in this goal, and each is important in his relationship to the finished product. High quality has to be built into an instrument by every **production** worker; it cannot be inspected into a product by an inspector or test-calibrated in by a Test Engineer. The most efficient inspection of work in process can only be done by the person performing the work.

To help you maintain this standard of high quality a new department was formed called Production Quality Control, in September, 1954, for the express purpose of evaluating problems concerning manufacturing results. To accomplish this, the department has Component Inspection, Instrument Inspection and Unit Inspection. Kenny King is in charge of this group and works with Vernon Walker, Bill Sedig, Hallie Todd, recently from Kit Prep, Ed Kiepe, Betty Glasnapp, Anna Jacobs and Dave Easton, who is now a part-time employee while attending Portland University.

Material Control Maintains Parts Supply

The Material Control Department is a production staff department reporting to Bob Davis. It includes the Requirements, Purchasing, Stock and Customer Service Parts groups. The individual departments were recently combined to squeeze out overlap in many of their functions and to integrate their closely related efforts. It is the responsibility of this department to see that all approved material, parts, tools and supplies are available to the departments using them as their schedules require them. The establishing of requirement lists, the purchasing of materials, the scheduling of plant made parts, and the pick-up, storage and disbursement of these parts is the primary responsibility of Material Control. The Customer Service Parts group is a supply operation that services parts requirements of customers and Field Engineers, rather than in-plant operations. Most of us are familiar with the general operation of the other three groups and space does not allow detailed descriptions at this time.

The Material Control Dept. operates somewhat as a committee. That is; the head of Requirements, Hawkin Au; Purchasing, Scott Foster; Stock, Bill Lee; Material Control, Bob Fitzgerald and representatives of Customer Service sit down together at least once a week and discuss mutual problems on scheduling, routing, data handling, storage, material flow, etc., and come up with a course

of action that will satisfy production needs, and is operable by the group. Material Control responsibility could be classified as inventory control and inventory accounting. Inventory control involves the estimation of units of materials needed and the measurement of performance against these estimates. The results are studied and attempts are made to improve the estimates of the performance, for the following period. Closely related to the control, yet not identical, is inventory accounting — here the stress is on the dollars rather than production units and requires an additional amount of system and procedure to see that invoices are paid and recorded properly and that inventory is monitored effectively. Many of the records used for control purposes are also used for accounting and each of the four groups is responsible for some aspect of the material or related record. As you may know, the group is now involved in studies of IBM data processing methods. It is presently using the IBM service bureau for calculation of requirements, and have on order several pieces of equipment that will enable us to do a more complete job, here at our own plant. It is hoped that this equipment will afford us a means of keeping up with and ahead of our Marketing and Production Divisions in order that you will have a better availability of materials and supplies when you need them.

The Case Of The Thoughtful(?) Thieves

Perry Mason would enjoy this caper, no doubt. 'Who took the white side-wall tire, complete with wheel, off Marie Weisenbach's pink and black 1956 Catalina 4-dr Pontiac?'

The best is none too good for them it seems. The only nice thing about it, they left the hub-cap and nuts so Marie could mount her spare and get home. She was so stunned when she saw her car with that list to port she just stood there looking at it. She still doesn't know whom to thank for

putting on her spare, and she wants it understood 'whom' refers to dozens who gathered 'round to lend helping hands.

Here we should add: P. S. They took Martha Anderson's white side-wall cleaner, too.

We regret this happening very much, and we can all discourage such going-ons by locking everything securely and keeping a watchful eye out for any suspicious happenings.

Retirement Trust

Most of you know by this time that the Retirement Trust has invested a considerable sum of money in a tract of land near Beaverton. This land, some 300 acres, lies due west of the Beaverton airport, and is bisected by the S.P.&S. railroad tracks. This land was purchased because we felt it was a good investment. It is the current plan that this land can be developed into an industrial area. It was not purchased primarily to provide a future building site for Tektronix, Inc. However, if the company should be interested in acquiring a portion of it, the Retirement Trust would be very happy to talk business with them.

The area has many features which make it a promising industrial site, such as railroad trackage, and its location between two major highways. The future plans of the highway commission indicate that a North-South Freeway would pass along its western edge also. It is within a half mile of a large PGE substation and the same distance from a natural gas trunk line. A private airport bounds it on the East.

This investment seems to the members of the Administrative Committee to be a particularly desirable type. Not only does it offer the opportunity of a substantial return, financially, but the influx of desirable industries into the area in which most of us make our homes will substantially increase our property values, add to the tax evaluations which support our schools, roads, and parks, and in general, will stabilize the economy of this metropolitan fringe area.

Christmas Spirit Early This Year

Maybe Christmas, 1955, is just a pleasant memory now, but the 1956 occasion looks like a wonderful day.

Corrine Johnson's happy thought of calling the Christmas Bureau last year for names of individuals and families who didn't anticipate a very merry day, spread quickly until seven families became guests, so to speak, of seven departments of Tek. Han Bok Mi's adoption by Cable group also came as part of the warm and friendly spirit.

In looking back on the happy 1955 Christmas Season, crt and finals checked with Tek Talk asking procedure, references, etc., for 1956 participation. Yvonne Moran contacted United Fund's Eleanor Herven, who is Chairman of the Christmas Bureau this year. This is the gist of the conversation: The Community Council meets in October and they will have the lists of families who need help, out by the middle of November and possibly before. These names are gathered from various organizations such as the Visiting Nurses, public welfare agencies, private agencies, schools and others who know the individual circumstances. Churches and clubs and civic groups often register the names of families, also.

To avoid duplications, and to make sure that all needy families and individuals are remembered, the Christmas Bureau acts as a clearing house. There were over a thousand names listed in 1955, with very few duplications.

For people who want to give enduring pleasure to groups of children or adults, the Christmas Bureau has the information of hospitals, children's homes and other institutions where larger items such as sturdy

Gil Schuricht Awarded Honor



Presentation of Scroll was made by Dr. Alfred Schilt and Rex Eastman of the Multnomah N.E.P.H. Committee. Gil's group gathered around to share in the honors accorded him. As you can see, Howard, Jack, Bill Webber, Bob Davis, Johnny Taylor, Don Kepler, Harold Edmundson were there to take part, too. We're all very proud of Gil!

Tektronix is justly proud of the choice of Gilbert Schuricht as 'Citizen Of The Week,' by the Multnomah County National Employee of the Physical Handicapped.

Gil was born with cataracts on both eyes, and during grammar and high school his vision showed a tendency to weaken. When 23 years old, the cataracts were removed, leaving Gil with limited vision, called tunnel-vision, with a radius of 4 inches. He now has 20-70 and 20-80 vision, this means that he can see at 20 feet what one can normally see at 80, and then in only a limited area.

'Gil,' to everyone who knows him, works in the Mechanical Assembly department, assembling 25 different types of rectifiers, each rectifier being different, according to its particular use in one or more of the 12 different instruments requiring rectifiers. Gil also does his own scheduling according to supply and demand. His present job requires dexterity, accuracy, and good judgment in that the rectifiers must be built correctly

for dissipation of heat, space limitation, and the correct positioning of lugs, spacers and associated parts. He was employed by Tektronix in June, 1955, and has since well proved his ability to do the job. His work attitude is an excellent indication of his character and is noticeable in the lack of self-pity due to his handicap. He has had a nearly perfect attendance and his compatibility can be judged by the warm friendship everyone in his department feels for him.

Off the job, Gil's many projects and hobbies include music (violin, guitar, piano and trombone), home repairs and remodeling, Scouting activities, and helping with the rehabilitation of other handicapped people. He is a past member of the Board of Directors for the Multnomah Association Council of the Blind.

Gil, his wife Gladys, and their two boys, David and Danny, live in Beaverton. Gil has just finished building a garage and putting in a new driveway. There is a new home planned sometime in the future.

play equipment would be most welcome. There are also suggested schedules for caroling groups, so that hospitals and homes of shut-ins will not be missed.

Sharing in the fun of gift buying, wrapping and tying; planning hearty Christmas dinners; and all done with the blessing of prayer for future prosperity for them, will add to our Christmas Joy and add much more meaning to our Thanksgiving Day, also.

Long Live Tek's Christmas Spirit!

Polio Shots Covered

SAY—— There has been a lot of questions asked about polio shots. Bankers Life pays \$3.00 per office call to employees. Dependents do not have this coverage, we're sorry, but employees do, and that helps some.

Chest X-Ray Mobile Unit Kept Busy

Over 900 were examined during the visit of the Mobile Chest X-Ray Unit on its scheduled stay at Tektronix on October 9th. It was a nice day, sunny and pleasant, so everyone enjoyed the few minutes of fresh air and visiting during their wait. We were very pleased with the voluntary turn-out.

We can't resist putting in this little poem:

TB or not TB

TB or not TB.
That is the congestion.
Consumption be done about it?
Of cough! Of cough!

— Anon

Tek Talk

Published by Tektronix, Inc., 9450 S. W. Barnes Road, Portland 7, Oregon, by and for its employees. Published the 10th day of each month, or nearest working day. Printed by Tektronix Incorporated.

EDITORIAL STAFF

Coordinating Editor — Norma Gaufield
Assistant Editor — Yvonne Moran

Composition — Gisle Borlaug Photography — Ed Egan

CONTRIBUTING REPORTERS

Engineering — Margie Guthrie
Mech. Eng. — Armon McDowell
 — Slim Sorenson
Stock — Dick Millington
Purch. — Scott Foster
Test — Emil Evans, Chet Murphy
Shop — Hank Jones
 — Duncan Bergeron
Plastics — Al Foleen
 — Barbara Byrne
Transformers — Jane Tomkin
Panelcraft — Lois Rieschel
Kit Prep. — Vera Sigler
Capacitors — Lloyd Morris
Ceramics — Rose Peterson

Field Eng. — Will Marsh
Shipping — Bud Jones
Export — Orpha Enmark
Mech. Assem. — Margaret Ryan
Assembly — Rhoda Chalupa
 — Molly Veale
 — Marilyn Wolever
 — Helen Riley
Cables — Margaret Clymens
Crt — Laura Lusk
Manuals — Audrey Duyck
Finishing — Don Pratt
Front Office — Barbara James
 — Lois Reser
 — Ron Norgard

A Thanksgiving Prayer

God, ev'ry year about this time,
according to routine,

I've bowed my head in the accepted way
and offered thanks, like some well synchronized machine
that prayed because it was the time to pray.

But, God, this year is different, this year I seem to feel
America's Thanksgiving is my own,
that in my nation's gratitude I have a part that's real,
a part that until now I've never known.

And, God, this year a deep humility has filled my heart,
a newborn pride rings true thruout my soul
because I do belong, because I have and am a part,
a tiny part of one tremendous whole.

I think I know the feeling of those first Americans
who said, "We must give thanks for this, our land."

I cherish now the rights that are each woman's, ev'ry man's,
the rights I've just begun to understand.

This year my heart has learned what all Thanksgiving Days
are for,

true thankfulness at last I realize,

but, God, I'm sorry that it took the tragedy of war
in other lands to open up my eyes.

Again I bow my head but this time deep within me stirs
a mighty prayer, part of one vast design,

"God, help me make America as proud that I am hers —
as I am proud, and grateful she is mine!"

— Kathryn Kay
"If The Shoe Fits"

Thanksgiving Day — Let us all . . .

"PRAY FOR PEACE"

PERSPECTIVE...

This article was taken in its entirety from a weekly letter called "Perspective" that is circulated to business men and any who request it. It is sent out from Los Angeles by a pastor.

Vol. VIII, No. 40—Oct 1, 1956

Dear Friend,

TAKE GOD OUT OF GOOD —
WHAT DO YOU HAVE LEFT?
You have "0" left — exactly nothing.
There's a lesson in that!

There's much more to life than just being good. Plenty of people are good — like a statue. They never make a mistake — never make anything else either. They never do anything wrong — don't do anything else! It's not enough to be good. One must be good for something.

Examine the goodness of the average man today. What are his reasons for being good? He's afraid he'll get caught if he does something bad — or it pays him to be good — he's too timid to be bad — or afraid of losing his reputation. He's good — but he's utterly selfish in his goodness.

Way to test real goodness in a man

is too see what kind of a fellow he would be if there were never any danger of getting caught. What would you be like if you knew that you could get away with most anything? What would you do — if you were sure of never being found out? That's the true test of morality.

There's a lot more to being moral than just behaving right. Being moral has to do with a man's spirit — with a man's relation to God. In fact — a man's relation to God is infinitely more important than his relationship to his fellow man.

Back of real morality is spirituality. Morality is between man and man — spirituality is between God and man. A moral man is not necessarily spiritual — but a spiritual man will be moral. The spiritual man is the key. Spirituality is the root of which morality is the fruit.

Trouble with much of our morality is that it has been cut from its roots. Man is concerned only with his relations with other men — and that concern is primarily selfish.

A man acts right in order to be looked up to — in order to guard his reputation — in order to be credited

JA'ers Forging To Success

Several years ago a group called Junior Achievement was formed to teach a practical business education to young people interested in discovering the meaning of hard work and still get a glimpse of the soaring spirit of free enterprise. In JA a group of teenagers forms a working company — their successes or failures can only reflect upon themselves.

These young men and women are developing a sound knowledge of business — on their first jobs through JA activities. Production ordinarily gets under way two to four weeks after the corporation is created. More than 2000 of these miniature corporations now operate in 61 industrial areas. Their life span is only about 30 weeks, yet this brief period gives bright young people opportunity to develop ingenuity in grappling with the same problems of production, sales, and management that are encountered by every business.

Most JA companies move into full-swing production in time for Christmas sales. Doing most of their selling in person, the JA's see that sales don't just happen, but have to be made. They appreciate the value of incentive and realize that the man who contributes the most deserves the most pay.

Tektronix is a sponsoring company to Junior Achievement, Inc., the nationwide organization. Tek is also a counselling firm in that they have three advisors who set up a JA Co., and act as counsellors through the company year. The advisors this year are Al Foleen, business advisor; Vern Walker, sales advisor; and Lloyd Olson, production advisor.

This year the Tektronix sponsored

JA company is off to a roaring start. The time and effort that the advisors put in during the weeks before the company was formed has payed off admirably. Some of the accomplishments of the first two meetings are complete registration, arrangement for banking facilities, transaction of lease for company working space, formation of company charter and preliminary by-laws, voted capitalization plan, election of officers, completion of stock sales, selection of company name (The achievers chose the name **SILK TEKS** from their many suggestions), selection of company product, and production and sales of their starter product.

The achievers compose the company's board of directors and all company policy is determined by vote.

This year the company is in the silk-screening business. Major product until Christmas will be an assortment of Christmas cards, hand screened by the achievers. Price will be \$1.00 per dozen. The cards with envelopes will be packaged in an attractive folder. Sometime in November the achievers will visit the plant to conduct sales.

To get an idea of how aggressive the **SILK TEKS** are, they have already made sales of their "quickie" product which is a 9" x 11" sign that reads, "BE SURE TO VOTE FOR THE CANDIDATE OF YOUR CHOICE" selling to businesses for fifty cents. This timely sign was produced by the achievers to fill in the gap that all companies have before they can get into production of their selected product. The **SILK TEKS** plan to be in full scale production and sales of their starter product (Christ-

France Has A Word For It

Gil Angenieux has been giving the traffic police of Portland a bad time. Riding his bike at night without lights on it and 'G-crossing'. The fellow that stopped him about the 'no lights' problem had such a lot of trouble spelling Gil's last name he just gave up and left after a mild admonition.

When Gil was caught G-crossing he tried to explain to the officer about the custom in France, namely, if the traffic warranted and the need arose — cross the street wherever you are. He explained his lack of knowledge about our red and green light system, and, truthfully, the officer tried very hard to understand Gil's views. The only trouble was Gil's very French accent was too much for him and he gave up too, but not entirely — he presented Gil with a ticket to a movie — a traffic movie. Perhaps he felt visual education is the most effective, after all.

You can picture the poor officer on a visit to France. All the hustle-bustle of the Paris streets and by-ways, the erratic taxi driving and complete disregard the French seemingly have for life and limb. The funny part about it is, there doesn't seem to be too many accidents and the French are a lively bunch and still G-crossing anywhere.

Have you figured out G-crossing yet? Jay-walking. I like Gil's description of it best, don't you? **Note:** and just after that article on traffic safety, too!

mas cards) before the other local JA companies produce their starter product. Hats off to these seventeen teen-agers who are going at it 'TEK-TRONIX' style (Get there firstest with the bestest mostest!).

Looking For Excitement?? - -

Join Our Field Engineering Forces!



Following is an excerpt from Dick Ellstrom's August Call Report containing highlights of an interesting trip to a copper mine in Mexico:

"Made arrangements with Juan Sequaro, Liaison Officer, to have the

535 transported across the border down into Mexico about 45 miles to the site of the Cananea Mines. It took us over two hours to travel the 45 miles between Naco, Mexico and Cananea where I was to demonstrate the 535 in conjunction with the Million Ton blast. At one point in our

with his goodness. He's good so he can get ahead. Even his goodness is dictated by the tyrant of self.

When a man's morality never reaches beyond that low level — God is not pleased with it. He is displeased with it! Goodness for the sake of self advancement is abominable to God. It is worse than badness — because it is masquerade — hypocrisy — deceit.

The goodness that really counts before God and man — that has depth and finish to it — is that which reflects the glory of God. The man whose moral living flows out of devotion to Christ is the true Christian. "The Lord seeth not as man seeth; for man looketh on the outward appearance, but the Lord looketh on the heart." — 1 Samuel 16:7

Cordially,

Richard C. Halverson

Editors Note: Emphasis was provided.

journey, the road had been washed away to the extent that I had to fill in some of the deeper ruts with my bare hands. Unfortunately, I didn't have the foresight to throw a shovel in the trunk. We were about 15 miles this side of Cananea when in the distance we saw a truck alongside the pathway, which they call a road, with several men all sleeping in the shade of the truck. We had to disturb them to get by and from their gestures they were waiting for someone to come along and help them patch their flat tire. Their English was no better than our Spanish so the best we could do was to give one of them a lift into Cananea. All our attempts in corresponding with each other was in vain — a very frustrating 15 miles. After arriving in Cananea, I called on Mr. A. W. Ruff, the engineer who originally inquired about Tektronix instruments.

The next day we went up to the mine and I was shown the areas that were to be affected by the forthcoming blast. This was the first time I had ever been underground and it was a very interesting experience watching the ore, or as they call it, "muck", being extracted and processed.

It was late afternoon before our 535 got into Cananea. It had been held up at the border by Mexican Custom Officials for lack of sufficient itemization of the accessories. Consequently, Mr. Sequaro had to pass the probes and the rolls of polaroid film as: One can of peaches and six cans of pears! It was fortunate we had someone who knew the ropes to help us get this equipment into Mexico.

The blast, which was scheduled for 11:00 AM Sunday, was the largest blast of its type ever attempted. Consequently, there was much tension in the entire camp, and along with this tension there were many festivities planned to counteract it — very enjoyable festivities, indeed. We spent Saturday setting up the oscilloscope near the summit of the 7,000 foot hill in an area which wasn't very far from the area to be blasted but which was in a relatively safe place. One of the purposes for which the scope will be used is to evaluate the various methods of connecting the caps. We measured the detonation time of many different type caps and combinations of cap hookups.

Sunday — this was the morning of the big blast. We got up at 5 o'clock in the morning and got situated by about 9:30 AM and had all the final preparations completed. The next hour and a half was spent in rechecking all our connections and just plain waiting. One of the biggest thrills that I've ever experienced came at 11 AM, when I gave the final signal to close the switch to detonate over 55 tons of explosives. After waiting half an hour, we went over close enough to the blast area to see that the explosion was a success, making available 200,000 more tons of ore than had originally been hoped for.

The air in the cage shafts, or as we know them, elevator shafts, and the underground, was contaminated, making it necessary for us to make our way by foot down the mountain. Our trip down from the 6,000 ft. level to the 3,500 ft. level took over an hour. At any point along the way we could have fallen and reached the bottom much faster."

More Than One Way To Skin A Cat

Don Ellis and Hawkin Au solved their batchelor status problems by getting a three bedroom apartment and moving Mrs. Hensen in to act as their house-mother. The arrangement is to be envied, we're sure. Meals, to their own liking, on time; and household chores completed under the orderly care of Mrs. Hensen. The boys redecorated the place to

suit themselves. Color schemes and furnishings of their choice (except for the womanly touches of Mrs. H., of course). Methinks they are becoming a little spoiled with all the attention she gives them, too. Mrs. Hensen has married children of her own living in Portland, but this is more fun than working out and living by herself,

Ceramic Process Featured

A 'thank you' letter to Ted Good-fellow from George Edens resulted in look-see into the article, by Ted, printed in 'Ceramic Industry' maga-zine. His article gives a complete picture of the manufacturing process of ceramic strips used in Tektronix instruments. George says, in his let-ter, "It answers a lot of questions which are frequently asked of our people in the field."

Perhaps a reprint of Ted's article will help all of us understand about the little white ceramic strips we see in our 'scopes'. We recognize the neatness, ease of wiring and the ac-cessibility which distinguishes our workmanship and design, but a closer look at the processes of manufac-ture will help us appreciate the large amount of development work that has gone into the birth and growth of our ceramic department.

The ceramic terminal strips de-scribed are for use in cathode-ray oscilloscopes. They are porcelain strips of various sizes with notched edges to which the leads of electronic components can be readily soldered. These porcelain strips take the place of the old style bakelite boards with rows of metal posts along the edges.

This new type of construction, in addition to being more efficient elec-trically, contributes to more compact construction of electronic instru-ments and is of neater appearance. An added advantage is that the small amount of mass to be heated in each notch when soldering minimizes the amount of heat getting to the elec-tronic components from the soldering iron.

Feldspathic Porcelain Body

The present body is a feldspathic porcelain body with a zirconium opacified raw glaze, single fired, maturing in the cone 10 to 11 range. The body is ground in a rubber-lined ball mill of 40-gallon capacity using high density alumina balls. Parts are formed by slip casting in multiple cavity molds, with the operation be-ing rather highly mechanized.

After forming and drying the strips are trued up by a quick touch on a

slow moving belt sander. Two stud holes are then drilled in the flat bot-toms simultaneously on a double drilling machine designed and manu-factured at Tektronix.

The strips are glazed in a multiple-dipping operation and allowed to dry at room temperature. The bottoms are sponged to remove any surplus glaze which may have spilled over the edges during glazing.

Sponging consists of a light even touch upon a slowly revolving piece of Wilton carpet mounted vertically on a metal disc and partially sub-merged in a pan of water. An adjust-able roller squeezes the water out of the carpet leaving just the right amount of moisture and at the same time washing the carpet constantly. This machine is powered by a sewing machine motor and variac.

When the pieces are thoroughly dry notches are sawed on a small gang designed and built at Tektronix. The dry glaze is cut through to a depth of about 5-sixteenths inch into the greenware.

This sawing operation is one of the most efficient processes. For each of the cutting wheels two small rubber-bonded fine-grit silicon-carbide dental wheels are cemented together, mak-ing a single wheel fifty thousands of an inch thick and two inches in di-iameter. These wheels are mounted on a shaft with the proper spacers between each wheel. The motive power is a sewing machine motor which is activated through a micro-switch attached to the carriage upon which the ceramic strip is cut.

The operation is very fast. Several thousand strips of any size can be cut per day per girl. The whole machine including motor is only about 4" x 6" x 10" long.

It is much more expedient to saw through the glaze and single fire than to form the notches before glazing, and then have to mask the notches or clean them out again after glazing. As sawing is the last operation before firing, the pieces are placed directly upon the silicon-carbide batts ready for firing.

(Part II to appear next issue.)

SCOOPS FROM SCIMAREC

A cloud of dust descended on Cer-amics the other day, but Jack Gaeth soon found the trouble and after he had us all breathing again, he can-celled the order for a replacement crew. Someone opened a door up-stairs and the dust blew into the downstairs room thru a pipe—seems anything can happen, doesn't it?

We have several famous person-ages in our department. Ted Good-fellow and family, as accomplished musicians, graced the cover of the Oregonian Magazine section in a full

color family portrait. That's our Ted! Janet Hoodenpyl finished 4th in the Oregon Woman's Bowling. Even tho she lost the top spot, she had the high game of 227. There were 90 competitors. Pretty good bowling, says I.

Any of you gals want to play bas-ketball? No age limit (this I have to see). Anyway, Monttie Wallis will furnish the basket if you just sign up.

Rose Archer went deer hunting and came back with poison ivy. Any-one got a back scratcher?



WANTED

TOP EXECUTIVE — Unusual op-portunity for an imaginative (but not unconventional) planner who thinks quickly (but isn't impatient), acts aggressively (but ruffles no fur), and can get things done (through chan-nels without stepping on toes). Should have an A.B. in Business Ad-ministration (preferably from an Eastern University), but the equiva-lent in experience will be considered (for blood relatives of management). Applicant should have varied and broad background (yet be a special-ist) and have a work record demon-strating job stability (i.e.: without being a "job-hopper" he must never-theless have acquired "a varied and broad background"). The man chos-en will be a member of an executive committee (team) jointly responsible (he'd better "fit in") for company policy.

CRT Sport News

There's a variety of sport interests in crt—Those who bowl for Tek are Emma Lancot, Ann Sullivan, Dee Blohm, Doris Uhrich, and Helen Thome. Others bowling for other leagues are Clara Knox, Minnie Coughlin, Marge Earlywine, Rose Duane, Marion Peterson, and Eve Kilpack.

Crt is proud to have Vilma Leeto and Laine Pettai on the Estonian Volley-ball team. Along with Harda Kauk, Helmuth Kalmann, and Olev Adam-son from Tek they flew to San Fran-cisco and played volleyball over La-bor Day.

Marge Earlywine and Minnie Coughlin are our top women bowlers. Marge and Minnie both rolled games of over 200 and are the proud wear-ers of "200" pins from Beaverton Bowl. We understand our Thursday afternoon league is doing very well, but they aren't talking about their position until they are more sure of their standing.

New Members Of The CRTeam

Jeanne Rouse: Started to work on September 26 in gun assembly. She is married and has four children. The youngest is six months. Her hobbies include music, piano and voice. Ma-jored in music in college. She is a native Oregonian.

Alice Fleskes: Started to work Sep-tember 24. She is putting her hus-band, a senior at Pacific U., through pre-med school. She likes cooking and dancing.

Maxine Hoggatt: Started work on September 26. Her husband Kenneth works here in test. She is originally from Iowa and was graduated from Nebraska State Teachers College. Her hobbies include cooking, photo-graphy, and Hi-Fi.

Ruth Myllenbeck: Started on Octo-ber 1st. Lists sewing and cooking as hobbies (much to the delight of other culinary artists in crt). She's a Michi-gan girl and, although she received her M.S. degree in bacteriology from U. of Washington, she still roots for the U. of Michigan football team.

The Archer's Angle

A Sylvan Interlude

Up on your toes, ye Bow-Hunters Bold,
Muster anon for your turn.
The archery season is on again
In the deer-studded Tillamook Burn.
So away to the hill, the hilly hill hills,
Strike out for the Western lands;
Off in a cloud of exhaust fumes we
go
With our bows in our little hot hands.
O'er brushy slopes sneaking, with
trick knees a-creaking
(apologies to Wilhoit, see Darryl.)
Is that a buck that I see, with a rack
like a tree?
Nope. Only a snag and a barrel.
Climb the steep slopes with puffing
and hopes,
Where civilized man ne'er has strode.
Up on the top, in dismay we stop;
For there, friends (HA!) is a road!
There with motor a-strain and the
clanking of chain,
A car chugs into view,
And scares off the deer both far and

Cathode Assembly Exacting



Three members of our CRT De-partment, Aileen Hayward, Martha Gibbs, and Vilma Leeto who grace the Cathode Gun Assembly room, are located in the cathode section of our tube department. Theirs is the very exacting operation of position-ing the cathode inside the control grid cup. The cathode is the heart of a cathode-ray tube, and furnishes the electrons which in turn make the trace on the face of the tube. These electrons come from the cathode coating when it is heated.

The cathode, which is about 3 mm in diameter, is first cleaned and then fired in a hydrogen furnace to be made ready for the coating which is sprayed on. The thickness of this coating is measured under the micro-scope and the cathode is then placed in the grid cup with a spacer. The grid to cathode distance is carefully measured, and extreme accuracy is required in order to assure the com-plete uniformity characteristic of our tubes.

Vilma Leeto, one of the cathode trio, has been with Tektronix for four years, formerly in kit prep. She claims Estonia as her birthplace, hav-ing come to the States with her fami-ly in 1950. Her husband, Raimond,

CRTeasers

SCAN

Ella Hansen and Marion Peterson were hostesses to a baby shower for Mary Lou McCleary at Ella's home Wednesday, October 17. Delicious casseroles were served to most of the day and swing CRT women. Gifts for the new addition, due December 14, were very practically wrapped in diapers.

Marge Claus, our new swing shift CRT personnel committee represen-tative spent several days at good Sa-maritan for an operation. We are all happy to see her back and as well as ever.

NOTE: The CRT department is not starting a school for aspiring hash-slingers it's just that we have recently acquired new uniforms.

On Friday, October 12, coffee and cookies were served in honor of Eloise Helmer. She has left to join her family in Los Angeles. A gift was presented to her from the CRT de-partment.

near.
It should never happen to you.
A thousand deer to the mile,
To judge from the tracks on the
ground,
But nary a deer could an honest man
see
Though we scan all about and
around.
Cigarette wrappers, coke bottles and
scraps,
A season ticket to last year's fair;
Stumps and snags and bulldozer
tracks,
But nary a deer showed his hair.
Now, home is the hunter, home from
the hills.
In his quiver are still bits of fern.
That laughter you hear is the laugh
of a deer,
All safe in the Tillamook Burn.

Lloyd (Empty Handed) Sharp
Test

joined her at Tek ten months ago, to become a member of the mainten-ance force. Other family members include Vilma's mother, who resides with them in Aloha, and their son Arvo, 9. Vilma enjoys volleyball and swimming, while Raimond's interests involve car motors.

For nearly a year Vilma has been ably assisted by Martha Gibbs, who makes her home in Beaverton with her husband Elton, both of whom are native Spokane residents, prior to 1941. Martha and Elton's projects are coordinated most congenially. Martha helps Elton with his leather craft, while he aids her in her garden-ing. Then they both find time for fishing.

The most recent member of this congenial triangle is Aileen Hay-ward, coming to us from the Port-land Canning Company, after work-ing there seven years. Her husband, Bill, is a buyer for that firm at the present time. They make their home in Forest Grove. Photography is their hobby, and two very interesting subjects are their two children, Dale, 13, and Dianna, age 9.

In addition to their technical work, the cathode trio frequently brighten up the department with their beau-tiful cut flower arrangements and plants. They would welcome a visit and an opportunity to answer your questions.

Tek's Super Sleuth

We are printing this letter in hopes of saving those unwary people who might fall into this trap. Crime does not pay! Dumm-da-dum-dummm.

To: Harriett Daily
Employment Office
Tektronix, Inc.

Dear Mrs. Daily,

We regret to inform you that the preliminary report on the location of your missing typewriter spool has once again been bogged down by the quantity of work which this depart-ment has to handle. However, this does not mean that we have neglected your case. We have endeavored to find the owner of the cup in which your spool was located. This person will be charged with first degree typewriter spool hiding after the facts. We have only one lead thus far. The cup has the name Barbara painted on it. We realize, as well as you must, that this vicious racket of typewriter spool hiding must be stamped out before it spreads out to become national.

Therefore, we would ask that you remain patient as we plan to throw our full weight into the problem of this heinous act.

Sincerely,

Ron Norgard

Chief of Investigators,
Dept. of Missing Typewriter
Spools

Ron mailed this, but Harriett had to pay 3 cents postage due.

THE

LET'S GET ACQUAINTED!

BIN

SHORT CIRCUITS

Unit Wiring, Assem. II, Swing.

Every working night of the week you'll find the family tree in Assem. 2 packed with nite owls, glassy eyed and hooting, slaving away.

Lots of gab floats around—lots of events take place so we'll endeavor to keep you posted.

Betty Hune married her Ivory Tower, Lester Hunter, and left for Texas. Betty's sister Phyllis joined us shortly before so we'll keep in touch with her. We miss Betty but are glad to have you aboard Phil.

Dick McKinnon, another newcomer, was married Sept. 22. Leona Caldwell was the lucky girl. We hope Dick enjoys being with us.

As for bowling news—Artie Nelson has high score in the league and Mollie Veale has high series. Are we proud!

Jean Pearson, one of our girls who has been ill for some time, is now in the Physicians & Surgeons hospital and would love to have visitors.

Tom Sly and Bud Rasmussen have not had any luck deer hunting. We hope they'll get a break soon. Bud's wife spent two weeks in California recently and he was looking sad for awhile. Now that she is home things will return to normal.

That's about all this time from the one department that can boast a girl who sings "Cow Cow Boogie" to the tune of "Honky Tonk". Come in and see us some evening.

PLASTIC CUTUPS

We're glad to welcome new members Edgil Panian, Mae Hallelwell, and Valeria Arczynski to the swing shift.

Chuck Kauffman made a hurry-up trip home the other night when his three year old daughter, Lea Ann, got her head caught in a chair. Everything calmed down after Daddy took over.

Eddie (Edgil Panian) came out second best when she wrestled a machine the other day, but is back at work, bandages and all.

Grant Buchanan has his chest way out to here because he and his family bagged their limit of deer.

NOTICE:

Russell Stover Candies will be available again this year. The assortment of boxes isn't as large, but the candy is wonderfully fresh and there is a wide assortment in the individual boxes. Orders may be filled out and turned into Norma Caufield in the First Aid Room. All orders must be in by November 14th. Delivery will be on December 19th. Watch for the color advertisements on the bulletin boards.



STOCK AID NEWS

Don Wilson saw Dick Millington coming up the isle with a cup of coffee during coffee break one afternoon and thought that he would play a little joke on him by holding the door to the stockroom shut so that he couldn't get in. Don felt someone push against it a couple of times and also try the door knob. He let loose of it just in time to see Bob Davis come jumping through the window saying "You can't keep me out". Don's only comment was "I'll never do that again".

The Millipedes Will Get You If You Don't Watch Out

Velma Mengelkoch's 28 legged bug had everybody guessing. She found it in her living room and, since then, all the family has practically been climbing from chair to chair. Research finally located the Bureau of Entomology (BE 4-8211) who described the little monster as a millipede (because it has two legs to each segment of its body). It is considered a scavenger because it feeds on decayed leaves, etc. Has a stinger, so watch out and don't handle. Hides under things like flower pots and lumber. Is more native to forests than gardens, but does feed on roots, tubers and seeds. Can be eliminated with the use of 5% DDT spray or powders. With the description and 'cure' found, quite a few of the gals showed an active interest in Mr. Mil-leporina (dictionary description, no less) and are fast considering the study of Entomology as a hobby.



For He's A Jolly Good Fellow!!

Biggest birthday of all was Al Maxwell's October 16th. He had six huge birthday cakes, ice cream, greeting cards galore and lots of sincere good wishes. Al sent out a few thank you notes to express his pleasure at everyone's thoughtfulness to him.

FIELD ENGI-DEARS

Judy Giesbers was very happy over having Doug home for his leave between training and Engineering Sch. at Fort Belvoir. He'll have approximately eight weeks training in 'structural drafting' before his permanent assignment. Judy hasn't made any plans for the future as yet.

Everyone is marveling at Eileen Searle's prize collection—10 Grandchildren and they are—GRAND to have. It is agreed they come out of a story-book, they are so good looking, nice mannered and so full of fun. We can all appreciate this more when we find out there are five boys and five little girls—all under five years old.

Shirley Heesen is improving after her bout with surgery on October 8. She's anxious to get back with us, but is practicing patience. We'll all be glad to welcome her back, tho, she's been missed very much. The gals have been sending her a card every day to make them pass faster.

SHOP REPAIR

Ben Brazauski, Gene Zirschky, George Kolibaba and the other fellows in repair are keeping a guard around their new milling machine because each time they get a new machine, production claims to need it, much, much, more. Nothing doing this time—it was acquired for repair, and it will stay in repair!!!!

HOW TO WIN AT GOLF—Booklet now in possession of Jack Henderson. Anyone may pursue this fascinating, down-to-earth, short and to the point pamphlet and come away with complete confidence in his or her ability to win at golf!

Assembly II has a great outdoorsman. We don't like to mention names—but he went hunting recently and a snowstorm sent him to the nearest motel.

(How about this, 'B'. R?)

This Gal Has Rocks!

Anna May Jacobs, of Quality Control is quite the fossil and rock collector. On one of her recent hunts, high on a hill, she lost her footing and dignity, but made a three point landing at the bottom—with rocks in hand!??

FINALS

John (Swapshop) Neal: If you can't find it downtown, John has it! What and when and where is your next sale, John?

Corrine Johnson flatly refused to kiss Doug McKay (as announced over the loud speaker) when he came through the plant. She's a real good Demo!!

Bill Mayer, known to his buddies as 'IOU', is in the market for a crying towel—he lost two-bits on the series!

Bill Mayer is leaving for Fort Monmouth, New Jersey, on the 30th of November. He is going to Signal school, and with his past record of R.O.T.C. in college, will come out a 2nd Lieutenant. Good luck, Bill!

Wayne James spent a week in the Steen Mountains deer-hunting and fishing with his brother and father. Between them during the season, they brought home 5 deer (two on a special hunt tag) and 60 trout. Wayne bagged a 'spike' and a doe, as did his father. His brother got a doe. The trout up there measured 10½ to 16¾". They planned to do some bird hunting, but no time,, and anyone can see why.

PURR-FECT PARTY

Vera Collins gave Harry Eklof a six-week old kitten; she's white and cuddly, and she has one blue and one green eye. The girls in Mechanical dubbed her "Stinker" at the shower they gave in her honor, and presented her with such fine gifts as a sleeping basket, feeding dish, a catnip mouse, two cans of cat food, a box of sand (with which Harry was most pleased), and a cupcake and candle. "Stinker" was allowed to attend too, and purred her pleasure over the affair.

CLASSY CHASSIS'....

(Assembly I Unit Wiring)

Helen Berger, Cathy Gillenwater and Joyce Davis EACH got their deer. Viola Miller tried, but all she got was a traffic violation ticket for backing into a angle-parking space in Hillsboro (cost her \$1.00, too).

Wilma Stapleton, having never missed a day's work in two years, missed Monday, October 8th. Bad cold. But she's OK now.

Rhoda Chalupa has joined the ranks of grandmothers with the birth of Pamela Marie Ness on September 24th. Christmas isn't far away and Rhoda will probably have the stores cleaned out by then.

Moral: Do your Christmas shopping early or grandmother will get it if you don't watch out!

CRTeasers

Bob H. Johnson has finally sold his house in Corvallis and as soon as he locates a residence nearby he will move his family here. We will miss his flying Friday night departures.

Friday, October 5, the swing shift gun room crew breathed one huge collective sigh of relief. For nearly three months they have been sweating out a new arrival—Ruby Hutchinson's new Volkswagen. After breathing this sigh of relief they are settled down to the job of trying to plant Ruby's feet back on the ground.

Rose Duane is heading for the Rogue River country to try her hand at the salmon down there. We are anticipating salmon-steaks, as her famous last words were, "I'll bring some back, even if I have to buy it!"

After all, she has a large reputation as a fisherwoman to uphold.

We were quite pleased to see the return of Libbie Getgen. She has had a long seige with a quite serious burn. As part of her recuperation, she and her family took a 6000-mile jaunt covering Salt Lake City, Pike's Peak, her home in Marshall, Missouri, the Grand Canyon, Hoover Dam, and San Francisco. Wouldn't we all like to recuperate that way? It's good to have you back, Libbie.

Ann Sullivan enjoyed a vacation in San Francisco. While there she took a scenic Grey Line tour through Muir Woods, San Francisco and surrounding towns.

SCREW CREW'S NEWS

Seven couples from Mechanical Assembly day shift went dining and dancing at Rossini's on Friday, Oct. 12th. They serve Italian and American food, which pleased everyone, in that respect. The seven couples included: Minnie and Ed Berger, Lois and Sam Aulger, Vi and Fred Hawes, Lucy and Floyd Davis, Marion and Sherman Guffy, Stan and Margaret Saety and Bill and Betty Wall (Bill's to be found in QC right now—Production Engineering things). Rossini's had the Castle Jass Band to entertain the diners and swing dancing predominated. It was a little noisy for relaxed conversation, but everyone had fun and hope they can plan another in the near future. They expect a larger group next time, too.

Everyone is wild about Harry! Harry Eklof, that is. He is the youngest member in our department. He's our 'get it, bring it, and take it away' boy. And Harry, keeping all those girls satisfied isn't easy. You're doing a fine job and they appreciate it very much.

Those pipes overhead are not for decoration or to hang up wash, as some people have been suggesting. The Mechanical Screw crew is getting air guns. They will be used as spintights on #2, 4, and 6 size nuts on tube sockets, condensers and ceramic strips. There will be some screwdrivers, too, and the gals and guys are looking forward to using them. (We'll expect some funny stories out of this, too.)

Kay Newman is keeping in touch with us and reports she's just taking it easy and being patient waiting for the visit from Mr. Stork. She sends everyone regards.

SHOP

Group leader, Clyde Feitush, just bought the family a new Buick, Pink and White, no less!! Won't they be picturesque driving down the highway with their "Lavander" boat in tow!?!?

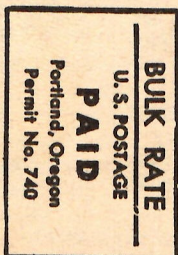
We all have weaknesses.

But I have figured that others have to put up with mine so tolerably that I would be much less than fair not to make a reasonable discount for theirs. It is no use to wait for your ship to come in, unless you have sent one out.

* * *

There are two things in life that you cannot waste, one is time, and the other is money. You always get something back—even if it is only remorse.

Francis Frost
439 Prospect Ave.
Manhattan Beach, California



LET US
ALL
GIVE
Thanks
NOV.
22