



BE THINKING OF
A NAME FOR
THIS
PUBLICATION

VOL. I, NO. I

MAY, 1951

THIS IS YOUR PAPER!!!

The purpose in putting out a publication of this nature is mainly to print information of mutual interest to all of us. Therefore, it will be everyone's privilege to voice any helpful opinions which will benefit the whole.

There will be a box placed in a convenient location to enable you to contribute your material. Contributions will be welcome, telling of meetings, group parties, tournaments etc.

The regularity of issuing this paper will be determined at some later date.

HISTORY OF TEKTRONIX

Several months after the conclusion of World War II, in the year 1945, Howard Vollum, Jack Murdock, Miles Tippery and Glenn McDowell, began the establishment of Tektronix, Inc. Although Milton Bave was one of the founders, he was not available for work until the following year.

Since material and equipment was still scarce it was thought that a retail radio sales and service operation might provide some immediate revenue to help sustain the long and expensive development program of the Type 511 Oscilloscope.

After about a year of continuous development work by Howard Vollum, during which time the present building was designed and constructed, Hawthorne Electronics was established.

By the early part of 1948 production had started on the Type 511, and

it had become apparent that both Hawthorne Electronic and Tektronix, Inc. were full time activities which would operate better separately. About this time Glenn McDowell took over the operation of Hawthorne Electronics as a separate business no longer affiliated with Tektronix, Inc.

Also during early 1948, Logan Belleville, who was a development engineer at U.S. Forest Service Radio Lab., joined with the owners of Tektronix, and has since contributed much to our overall instrument development activity.

Our first year of operation 1947, in the present building was lean and difficult. The entire production facilities were all located in the present assembly and wiring room, with the shop equipment in the same room along the east wall. The people already

mentioned were alternately doing parts of several jobs; sales, purchasing, accounting, and production. In addition to these folks, the entire production force on Jan. 1, 1948 consisted of Lowell Hadley, Howard Gault, John Rieschel, Don Tweedie, John Larson, Lee Penson, Ken Walling and Grace Gasser. During January, Fay Holliday and Kate Probstfield were added, and Les Purcell in February.

At this time the rest of the building was sub-leased to several organizations. Hawthorne Electronics occupied the entire ground floor. The south section of the upper floor was divided amongst four firms; The Engineering Clinic, Neely Enterprises, (Portland branch office then operated by Dal), The Osborne Co. and Graham Transfer.

As Tektronix Oscilloscopes were gradually delivered to the various laboratories throughout the country our reputation grew. Though our production capacity has continuously increased, the incoming orders have increased even faster.

We can now all be proud of not only a world wide acceptance, but also of being the acknowledged leader in the laboratory oscilloscope business of this country.

* * *

RECORD ATTENDANCE AT NEW YORK I.R.E. TRADE EXHIBIT

Each year the Institute of Radio Engineers holds its National Convention in New York City. In addition to technical information meetings the convention activity includes the largest of the annual electronic trade exhibits.

Tektronix has been a regular exhibitor since 1947 and for the past two years have held forth at the same booth location - No. 234, and No. 235.

One of the greatest advantages to be gained from Trade Show participation is the opportunity it provides for members of our engineering department

to meet with the actual users of our products, discuss application problems at first hand, absorb constructive criticism and, in general, to "feel the pulse" of the industry.

The 1951 Exhibit opened at the Grand Central Palace, 47th St. and Lexington Ave., New York City on Monday, March 19, 1951, closing four days later. At the close of the third day the registered attendance had been somewhat over 20,000 and the total attendance was later estimated at approximately 23,000.

Tektronix personnel in attendance were, J.J. Cassidy Jr., Ed Bauder and Margaret Johnson, all of the Tektronix N.Y. office, in addition to Dick Ropiequet, Bob Davis, Howard Vollum and Dal from Portland Headquarters office.

Additional information about Tektronix overall merchandising policy and activity will be included in later issues of this publication.

* * *

A flea and an elephant walked side by side over a little bridge. Said the flea to the elephant after they were on the other side "Boy, we sure did shake that bridge."

* * *

Every comedian believes in gags, -- unfortunately however, very few of them wear them.

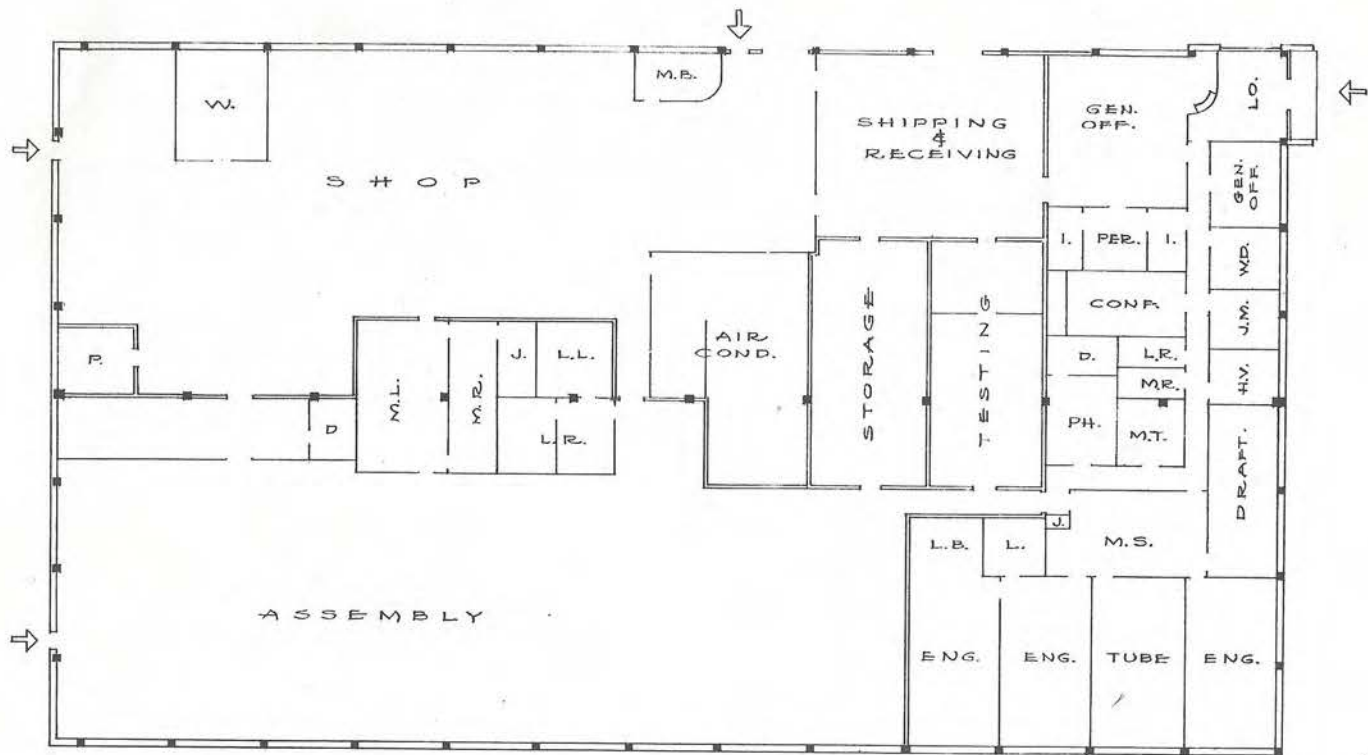
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Whistler, the artist, had a French poodle of which he was extravagantly fond. When the dog was seized with a throat ailment, Whistler had the audacity to send for a great throat specialist, Mackenzie.

Mackenzie upon seeing that he had been summoned to treat a dog, felt incensed, but said nothing. He prescribed and went away.

The next day he sent in post haste for Whistler to come to his house, and Whistler thinking it had something to do with his beloved dog, rushed to the home of the specialist.

On his arrival, the man said gravely "I wanted to see you about painting my front door."



AIR COND. — AIR CONDITION EQUIPMENT
 CONF. — CONFERENCE ROOM
 D. — DARK ROOM
 DRAFT. — DRAFTING
 ENG. — ENGINEERING & RESEARCH
 GEN. OFF. — GENERAL OFFICES
 H.V. — OFFICE, HOWARD VOLLUM
 I. — INTERVIEW ROOMS
 J. — JANITORS SUPPLIES

LEGEND

J.M. — OFFICE, JACK MURDOCK
 L. — LIBRARY
 L.B. — LOGAN BELLEVILLE
 L.L. — LADIES LOCKER R.M.
 L.R. — LADIES REST R.M.
 LO. — ENTRANCE LOBBY
 M.B. — OFFICE, MILTON BAYE
 M.L. — MENS LOCKER R.M.
 M.R. — MENS REST R.M.

M.S. — MODEL SHOP
 M.T. — OFFICE, MILES TIPPERY
 P. — PAINT SHOP
 PER. — PERSONNEL OFF.
 PH. — PHOTOGRAPHY LAB
 TUBE — TUBE RESEARCH
 W. — WELDING
 W.D. — DAL'S OFFICE



SCALE
1" = 2.5'

NOTES OF INTEREST ABOUT NEW BLDG.

1. Well insulated from outside weather conditions by the materials employed. These include double glazed windows of heat absorbing glass - vermiculite insulating concrete roof - an additional ceiling of vermiculite insulating plaster - tuffstone walls - floor slab insulated around the outer edges with fibre glass to a depth of two feet below grade. In addition the outer perimeter of the floor slab is heated by coils below.
2. Partitions indicated on plan by a double line are firewalls, which divide the building into six fire zones.
3. Generous use of expansion joints on roof, ceiling, floor and steel work to minimize the occurrence of unsightly cracks.
4. Air conditioned throughout, all dust and smoke being removed electrically by a precipitron.
5. Lighting level in each work area carefully engineered for the particular work being done in that area.
6. Tile red concrete floor in entire building. Color scheme carried out for all areas to promote pleasant working conditions and most efficient use of light.
7. Parking lot accomodating approximately 186 cars.

* * *

EMPLOYEES COMMITTEE MEETINGS

The personnel committee was established to improve understanding among all the people at Tektronix. This requires three way communications from employees to management, management to employees, and discussion of mutual problems.

To bring you up to date, here are a few typical subjects discussed by this committee.

1. Group Social Insurance (Health, Life, Accident).
2. Personal use of telephone to be limited to EA . 3027 and to be as brief

as possible.

3. Sick-Pay policy.
4. Vacation Schedule
5. Fire Prevention (Let us help prevent fires!).
6. Individual Tool Boxes for everyone.

Committee Meeting May 16, 1951

O.P.S. (Not office of Price Stabilization). Oregon Physician's Service last week announced a new method of handling hospital cases. Hospital patients will no longer be asked to pay in advance. O.P.S. has now agreed to pay their approximately 90% of the hospital bill directly, thus leaving only about 10% for the patient to settle with the hospital.

State of the Bonus is an item of interest (Dept. of Understatement). Indications are if we ship about 350 scopes this month the bonus will be approximately that of 1950's. It's possible! After inventory has been taken more exact information will be available. (Inventory is a headache and everyone's cooperation will be needed).

Gift Fund It was proposed that a paper be circulated to obtain signatures of those wishing to have their .35¢ monthly contributions taken from their pay-check. A monthly check could then be turned over to a committee to administer.

Excess Pastry Money which is difficult to return to contributors will be used to send a boy or girl to the Salvation Army summer camp.

Moving to new Bldg. will start in about three weeks.

Coats & Aprons will be available to those actually needing them. Aprons are preferred because they cost less.

Picnic to be held on a Sunday. Volunteers who wish to serve on picnic committee can sign paper on bulletin board. (New Bldg. open house and picnic will be separate events).

Name Badges which were recently suggested to expedite getting acquainted were given up as undesirable.

Further use of Photographs was suggested as a better medium.

* * *



**HOWARD VOLLUM
PRESIDENT AND CHIEF ENGR**

ENGINEERING AND YOUR JOB

Will Tektronix be able to maintain enough business when the present emergency period is over to employ its recently enlarged staff? Every effort is being made and will be made in the future to attain this objective. The success or failure of this effort depends to a great extent on the initiative and skill of the Engineering Dept. If they can design instruments which fill a need in the electronic field, Tektronix will have orders and we will have jobs.

One of the interesting features of the electronic instrument business is the part that the customers are usually competent to judge the quality of their purchases. This is quite different from the normal case where the purchaser can only rely on external appearances, the reputation of the manufacturer etc. The ability of the customer to evaluate and judge makes it possible to sell instruments of superior design and construction rather than those making the best advertising claims. This greatly increases the responsibility of the Engineering Dept.

In general, there are three phases in the design of an electronic instrument, first the circuit development, then mechanical development, and finally a combination of the first two, usually known as production engineer-

ing. In some cases the same person or or groups carries through with all three, in other the various phases are done by separate persons. This depends on the talents of the various engineers, the difficulty of the problems, time available etc.

The electrical or circuit design phase is usually known as the "breadboard" stage. Here the various components are connected up in the easiest possible manner with no regard for mechanical consideration. The circuits are now tested for electrical performance and modified when necessary to finally get the desired results. Many times the modifications are so extensive that the final circuit bears little resemblance to the original one.

Next the mechanical design; fitting the many components into a compact functional unit. Here many conflicting conditions must be reconciled. For best electrical results the connecting wires should be short and direct - critical circuits kept away from those carrying large signals, etc. For best mechanical results parts should be solidly mounted wiring kept in cables easy access for servicing should be provided etc. As in all engineering the problem is to make the best possible compromises. One of the outstanding features of Tektronics equipment is the accessibility of the components for service and replacement.

The production engineering phase is concerned with determining permissible mechanical and electrical tolerances making modifications which ease shop problems writing instruction manual, developing test procedures etc. This last phase is the least exciting and in many cases most time consuming, but very important. At the present time a majority of the engineering staff is concerned with production engineering. This is due primarily to the very urgent demand for our most advanced and complicated units the 513, and 517.

Even when the instruments are in steady production the problems of the Engineering Dept. do not cease. Part substitutions must be approved, suggestions and complaints of customers analyzed

and if necessary modifications devised.

From the foregoing it is easily seen that in a technical business such as ours the Engineering Dept. is very much concerned with almost all activities in one way or another. Their decisions have a vital effect on Tektronix business. Let's hope they make the correct ones!!

* * *

NOTICES

Golf Tournament;

Remember the tournament starts on June 1st so - Get those handicaps in!

(Note: Milt. Bave won last yr.)

* * *

2nd Annual Trout Derby;

Kay Barker has caught the biggest trout so far. Rainbow trout, 18 1/4" , Link River.

Derby ends Oct. 15th !

* * *

CAN IT BE ?

Electronic engineers are people who start out knowing a great deal about very little and go on learning more and more about less and less until they know everything about nothing. Sales engineers start out knowing very little about a great deal and go on learning less and less about more and more until they know nothing about everything.

Women start out knowing everything about everything but end up knowing nothing about nothing due to their association with engineers and salesmen.

* * *

The trouble with a kitten is
THAT
Eventually it becomes a
CAT.

* * *

SALE -- THE CAT'S MEOW!!! -- SALE

Gorgeous - stupenduous - Colossal Part persian, Calico Kittens which are luxuriously furred well bred and possessing exceptional personalities!!

Contact: Dick Rhiger -- Em. 7124

Paid Advertisement.

* * *



GOLF TEASE

Golf is a game played by placing a small ball 1 1/4" in diameter , on top of a big ball 8000 miles in diameter and trying to knock the small ball off the big ball rather than vice versa.

* * *

Golf Pro to Fitz "The only thing you do wrong is that you stand too near the ball after you hit it".

* * *

Dal: "Jones hit his wife last night".
Milt: "Oh what club did he use?"

* * *

Golf Terms:

Tee: Something not drunk by golfers

Brassie: Worn under the sweater by women golfers.

Stroke: What a dub has when he 1st pars a hole.

Niblick: Club well adapted to hacking cuts in the ball giving it a nibbled look.

* * *



PRODUCTION PAY ADJUSTMENT

The original Tektronix "sharing" plan used in 1948 was a monthly bonus, based on the value of instruments shipped each month. However, due to many things beyond control of the production force, this bonus did not accurately reflect the productive effort of the month.

The present profit sharing plan was established in 1949, and provides a means for mutual participation in the financial success of our Company. The profit share is divided in proportion to the base pay earned during the previous six months period. This system permits a higher overall payroll than would be practical with a straight salary plan, because it allows pay to fluctuate with Company earnings, thus reducing the financial risk.

Profit sharing has a much wider scope than incentive plans such as commissions, piece work, and production bonuses, because it includes the overall effort, efficiency, and successes (as well as the failures) of each one of us and each department. It recognizes improved facilities and equipment, sales plans, design engineering, and other long term policies, as well as monthly production effort. It reflects quality of work on a short term basis in the absence of scrap and repairs, and over a longer period in the customer's repeat orders.

Profit sharing is a lot like the age old tradition of sowing in the spring to harvest in the autumn to feast the year round, except that we harvest twice a year.

But, regardless of the method of distribution, all funds for the payroll come from only one source, his Honor, the Customer. We profit most when we serve him best with high quality competitively priced instruments. Therefore, the secret to those fat checks we're all after is an efficient organization with high productivity per person. It's up to us.

* * *

CHRISTMAS PARTY

Plans for the Christmas Party are progressing rapidly under the co-chairmanship of GLADYS KOCH and EVELYN JOHNSON. Two parties will be held for the employees on Friday, December 21, one for the day shift at 11:15 A.M. and one for the swing shift at 6:30 P.M. The swing shift will come to work at 2:30 P.M. instead of 3:30 P.M. JACK HENDERSON will be the master of ceremonies. Other committee members include HELEN WALKER, in charge of food, TINY DAVIS, decorations, and PHIL MALLERY, program.

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EMPLOYEES COMMITTEE MEETINGS

November 28, 1951

1. Credit Union
2. Salvage
3. Vacation
4. Insurance
5. Christmas Party
6. Old Clothing Drive
7. Chicago Show
8. Music
9. First Aid Program

Vol. 1 No. II December 1951

EDITOR Blanche Cook

CONTRIBUTING REPORTERS

Darlene Adams	Will Marsh
Ellen Burton	Bill Muessig
Lois Campbell	Jack Neff
Bob Duhrkoop	Ida May Norby
Miller Duris	Gloria Poole
Barb Ekstrom	Dick Schmidt
Carol Hall	Slim Sorenson
Vivian Holden	Lou Thomas
Jim Kelly	Miles Tippery
Ginny Levens	Bill Webber

We wish to thank the following for assisting on this publication:

Gladys Ernstmeyer	Mel Lofton
Chris Larsen	Ken Walling

* * *

CHARITY CONTRIBUTIONS

Tektronix charity solicitation has amounted to a total of \$4177.50 pledged. Participation was 89%, which outside people tell us is good. Your Company has already issued checks to the Multnomah County, Washington County and Yamhill County Community Chests. Checks to the other organizations will be issued when they conduct their drives.

Washington County organizations will receive 31.8% of our contributions. This is a very fine way to make our Washington County neighbors aware of our presence.

The sum of \$4177.50 on the basis of our designations will be distributed in the following percentages: Community Chest-- 41.4, March of Dimes-- 19.2, American Cancer Society--15.4, American Heart Association-- 12.5, and American Red Cross--10.6.

There has been increased interest by outside firms in this method of charity solicitation that Tektronix has used the past few years. You can be proud that our Company is a leader in social progress by being among the first, if not the first, to conduct a united, single, charity solicitation.

RUTH STOUT, 513 department, plans to leave Portland December 1 via United Airlines to Columbia, South Carolina. Ruth has announced her forthcoming marriage to Pfc. Kenneth Bastian of the 200th Infantry, stationed at Fort Jackson. They plan to make their home in Columbia.

Did you see the grin on GLENN FREEMAN's face when he saw the new truck? Glenn will gladly tell anyone who inquires about it that it is to replace the old Dodge truck. The new one is a green, '50 Chevrolet panel.

JANE GRACE was taken to the hospital Wednesday night, Nov. 28. The flu bug bit Jane. We wish her a very speedy recovery.

Flash! Shush! It isn't generally known, but the Olympic Ski Champions of the past few years had better watch out! Tektronix is producing some pretty keen competition. The weekend of October 17th found JEAN PEARSON and her husband, WENDELL FERLAND and wife, FAY HOLLIDAY and friend, RAMONA and DAVE PRICKET, and BILL CAUSGROVE and MARY HOOYBOER--"Snow Bunnies" all, making the slats fly up around Government Camp on Mr. Hood. The party stayed at the Pearson's grand cabin up there, and everyone reported for work Monday slightly muscle-sore, but really happy.

We have two new home owners in the 512 group, one being Tiny Davis whose new abode is on Nendel Road. RUBY EVANS is now the proud owner of a home on 112th Street. She says all she needs now is a prosperous bachelor to help her pay for it! GRACIE GASSER working days again--BARB EKSTROM took the rest cure and had her tonsils out--ARLENE HOLMAN thought she made a mistake on the sweep and didn't even know she was looking at a 511 instead of a 514--HAZEL TILLMAN taking the Choo-choo to Iowa for Xmas--MARGE ENGLSEBY is leaving us for a husband coming home from Korea.

FOR SALE: 3/4 size Hollywood style bed, plain springs and a box spring mattress. The bed is one year old and like new. Cost \$67 new, will sell for \$35. See ELAINE SUTTON of 512.

RUBY PETERSON is in much better spirits this week as her father is improving from a severe illness.

On November 10 of this year, in a lovely candle light ceremony, MOLLIE SISSON became the bride of Mr. Joseph ROBBINS. The ceremony was held at the bride's home, and a reception for intimate friends of both families followed.

GLORIA POOLE drove to San Francisco for Thanksgiving, and on the way back ran into a blizzard between Dunsmuir and Shasta.

PANSY O'BRIEN raises greyhound dogs for racing as a hobby. One of the 14 full grown hounds is "expecting" at present. A litter of eight to ten puppies is expected. Pansy is carefully watching 22 half-grown greyhounds also. They mature surprisingly fast with good food and exercise.

PHIL MALLERY reports a pleasant vacation the week of Thanksgiving. The Mallerys motored to Spokane to spend Thanksgiving with Phil's brother after delaying the trip until the three children recovered from a virus infection. A rude awakening came when Phil discovered he had missed the Spokane cutoff in the fog and was forced to take the Lewiston Grade to get back out of Idaho. The Mallerys came home via Sultan near Everett to visit Mrs. Mallery's relatives.

Among those present at the last performance, November 24, of the Sadler Wells Ballet Company were Peggy and BILL LEE, JACK and MARGIE DAY, and the MILT BAVES. Bill particularly appreciated the young dancers special flair for comedy.

Two members of Test have increased the size of their families. RODGERS JENKINS welcomed the arrival of a boy, November 1, and EARL GROVES became the father of a boy on November 7.

ROGER HAIGHT, BURTON EBERLY, HARVEY HANSON, and BILL JOHNSON, all of the Shop, have recently purchased homes and property in the vicinity of Beaverton.

* * *

Hangover: Something to occupy a head that wasn't used the night before.

Since the last issue of the paper, the Test department has increased its personnel size tremendously. Twelve new faces have appeared in the "dark room", and the roster now totals nineteen. By the time this paper is published, the test and calibration of the Type 517 will have moved from Engineering into Test.

We of the stock room wish to thank all of you, and in particular, each individual group leader for the cooperation that has been our privilege since the closed door policy took effect. Things are looking up.



To those of you who never meet the stock-room personnel we would like to have you meet our chief, BILL LEE. Bill has been with Tektronix since early 1949. His friendly attitude and integrity in serving you presents to us the spirit of cooperation and consideration which will make our "Tektronix" a great name in the field of research.

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BOWLING NEWS

A Tektronix bowling league has been formed this year with eight teams entered. Four teams bowl Thursday afternoon and the remaining four teams bowl Thursday night at the Rose City Bowling Alleys. Six of the 26 weeks of league competition have been completed. Prizes will be given at the close of the season. At the present time, CECIL FLETCHER, of Silk-Screen department, is leading the men with a 162 average. GRACE GASSER, of the 514 department, is leading the women with a 128 average.

Team standings, high game and high series bowlers, individual season average, etc. are posted each week on the assembly bulletin board. Anyone wishing to be a regular or substitute bowler, contact DICK SCHMIDT in Test or Bud Jones in Shipping.

TRANSFORMER -- SWING SHIFT

Working under the direction of genial **CARL HELMER**, the swing shift contingent of the Tektronix transformer department is composed of ten people full time with three girls alternating two weeks on the night shift and a month on days. The work that we do on the night shift is divided into three classifications: winding transformers and small oscillator types, final assembly and oven work, and delay line work. Since this is the first newspaper at our new location, we would like to take this opportunity to get acquainted with those we have not met. Briefly then here are our personnel:

KATHRYN BARTMESS, who supervises the delay line work, has three daughters and one grandchild. Husband **Dick** is an avid camera fan when he isn't employed as a checker in handling freight shipments.

AGNES CLIFFORD who works in the delay line department is the envy of all since she can go home for dinner at 8 and be back by 8:30. She and husband **DON**, also employed by Tektronix, live across the highway.

BETTY KARPSTEIN lives in Aloha and drives to work in her sleek Nash. Husband **Rudy** of the Karpstein family, well known at Beaverton High School for their athletic achievements, is a member of the Air Force stationed in Portland. Betty works on oscillator coil assembly.

CARL HELMER, formerly of the Navy, Northwest School of Broadcasting, Multnomah College, and the meat cutting trade, is obviously a man of wide experience. He is married to **Eloise** and has two children who are active in the Journal Juniors as baton twirlers and tap dancers.

PHYLLIS GLYNN, who works with **Agnes Clifford**, is a long way from her home in Massachusetts. She and her husband, who is a member of the Portland Police force, have a one year old son. A prospective transformer winder no doubt!

SID JONES, our winder of 514 transformers was also in the Navy, having gone in at the ripe old age of seventeen. He is married to **Betty** and has a son. The Jones



Back row, 1 to r: **T. Kirtley**, **K. Bartmess**, **B. Cogan**, **J. Neff**, **S. Jones**. Front row, 1 to r: **H. Miles**, **P. Glynn**, **A. Clifford**, **B. Karpstein**, **C. Helmer**.

* * *

family recently travelled to **Yakima, Washington** for their Thanksgiving dinner.

TIM KIRTLEY, the boy with the healthy laugh, is attending **Vanport College** working toward a degree in education. He is also a member of the **Naval Reserve**. **Tim** is learning the assembly phase of our work.

HAROLD MILES, our typically happy married family man, is currently taking a correspondence course in radio and television. It's been rumored that **Harold** will be towing a trailer to work to haul his many riders. **Harold** is also winding transformers.

BOB COGAN (mispronounced **Coo--gan**) is a graduate of **Central Catholic High** and is attending **Benson High School** in the field of radio. He is a student announcer on station **KBPS** and plans to go to **California** and enter the field of commercial radio there as a disc jockey perhaps. **Bob** winds the oscillator coils.

JACK NEFF, who is learning to wind, graduated from **Beaverton High School** and **Lewis and Clark College**. At the present time he is taking two special courses at **L & C**. His future depends on **Uncle Sam**.

We'll be seein' you at coffee time!

Times have changed all over Tektronix, but the most startling changes have occurred in the offices. Early in our history the office force was Joan Yergen. Now eleven young ladies decorate "up front" Tektronix mail order show case. Also necessary, but not particularly decorative are several fugitives from the Test and Engineering departments, installed to coordinate technicalities with personalities.

As Tektronix expands, increases are needed in the field forces. JACK DAY has been touched for this important work and is now in New York to shoulder some of the burden toted by MARGARET JOHNSON, ED BAUDER, and JACK CASSIDY. The gals will miss his handsome profile. Nominations are again open for Tektronix's best dressed man.

Back from a sultry sojourn in the dusty reaches of the southwest, SANDY SANFORD brings new customer reactions, new ideas, and 16 more pounds. Well-received, as always, Tektronix equipment continues to elicit favorable questions and comment.

* * *

HILDRED SCHMIDLING, who was quite ill with pneumonia (virus) for nearly a month, was recently welcomed back to her workbench. She was in St. Vincent's hospital for a week, and at home about three weeks. This is the second time this year she has had pneumonia, and we all wish her better luck in the future.

DICK EASTON painted the various signs (except those for engineering) for Open House, which identified various departments and divisions. Dick winds small coils (oscillator, etc.) for various scopes.

A few of the people--DON TWEEDIE and BARNEY GREGORY--have been moving. Don says he should be living in Portland about the first of December. Barney has moved from Aloha to a Portland address, about 4 miles from work. He did not give the exact location, but says he can get to work very quickly, and a lot of the way is down hill. What fun when it snows!

There has been a recent adjustment



Jack, Nancy, and Marge Day

* * *

in Transformer and Coil, which will probably be a permanent setup now. The benches for Coil have been rearranged back to back in order to provide more room, and the transformer winding machines have also been moved somewhat.

Seems that's about all the news, except for a small note on efficiency: GORDON SLOAT's desk was moved a little closer to the telephone, and the other day he was seen scooting to the phone in his chair, which is equipped with casters!

* * *

MONICA BANNISTER is tired of our beautiful Oregon weather and so she is leaving for California December 22nd. Monica says they have sunshine down there.

LAVERNE BALLANTYNE will be flying to San Diego to spend the Christmas and New Year holidays with her sister.

* * *

WANTED: Use of a cider press before the Christmas Party. See HELEN WALKER in the 517 department.

* * *

Some people are like blotters--they soak it all in, but get it all backwards.

The HERB CRAWFORD's announce the birth of Sandra Lee.

JOHN TAYLOR, no doubt knows where the wild goose goes. There is a twelve pounder that goes on his dining room table one of these days.

AL BRIGGS, one of the Shop welders, increased his family on November 21 with a new arrival. Michael, a 7 lb. 9 oz. boy (with big feet, says Al) arrived mid much confusion in which Al's glasses got broken-(and yet it was his fourth).

Ever since their Tektronix engagement on October 29, among all the little resistors and capacitors, MARY HOOY-BOER and BILL CAUSGROVE's romance has been progressing rapidly. They are at the candybar sharing stage now. It's hard to see anything in their section now unless you, too, have a pair of rose-colored glasses--all those pink clouds get in the way.

HELEN THOME's Thanksgiving Day was especially happy. Her young son Christian, came home from boarding school for a four day holiday. He and his sister, Linda, had a wonderful time. They had turkey and all the trimmin's with their grandparents and all their relatives.

AS OVERHEARD AT OPEN HOUSE



AFTER THE SHOW, REMEMBER
JEROME, ONLY ONE CUP
OF COFFEE FOR YOU!

The following spontaneous contribution comes from the combined thinking of Darlene Adams and Norma Caulfield of the 511 group.

'T WAS THE WEEK BEFORE THE BONUS

'Twas the week before Christmas,
when all through the plant,
Not a person was stirring
not even an ant.

Each one at his bench worked
with most solemn mien,
And hoped that his industry
by his boss would be seen.

Tho the 511's should have been
working, instead,
Visions of bonuses danced
through each head.

While Ken with his work sheets,
and I with my solder,
Had just settled ourselves to
work like we oughter.

When out in the back there arose
such a clatter,
We sprang from our chairs to
see what was the matter.

The guys in the back had
surrounded another,
All grinning and whistling and
pounding each other.

The guy in the middle
was lively and quick
I thought for a moment it
might be St. Nick.

With a fistfull of checks
and his face wreathed in smiles,
Instead of St. Nick,
it turned out to be MILES.

Merry Christmans, Tektronix,
good health and good cheer,
Lets work so our bonus
will be higher next year.

TEK TALK



VOL. I NO. III

JANUARY, 1952

TEKTRONIX ABROAD

During February, 1948, one of our original Type 511 scopes was purchased by the Ericsson Telephone Sales Company, New York City, for shipment to their parent operating company, Aktiebolaget Ericsson Telephone Company of Stockholm, Sweden. Several reorders were immediately forthcoming and 'twas thus that the fame and utility of Tektronix instruments began to spread through the ranks of research scientists and engineers abroad.

We received correspondence from several Swedish electronic concerns with applications to serve as Tektronix sales outlets for the Scandinavian countries. Response to these letters indicated our interest in limiting the sales activity of any given firm to its own country. After the exchange of many letters, mutual banking and trade references, etc., an agreement was reached, and on December 3, 1948, Aktiebolaget Norrlandia in Stockholm, Sweden was established as the first authorized distributor of Tektronix products outside continental United States.

Mr. Erik Ferner, one of two partners owning Norrlandia, carried the news of the superiority of our instruments throughout the length and breadth of Sweden and an almost immediate response occurred in the form of orders from the Royal Institute of Technology, the Swedish Air Force, A. B. Svenska Phillips, Chalmers Institute of Technology (where a personal friend of LOGAN BELLEVILLE is Professor and Research Consultant), University of Lund, University of Upsala (established in 1746), Royal Swedish Defense Laboratory, Royal Swedish Telegraphs, etc. Mr. Ferner personally visited our Hawthorne Blvd. plant July 3 and 4, 1949, and left more firmly convinced than ever of the high value of our products and policies.

Negotiations were in process of being concluded to establish distributorships in Norway, Italy, Benelux (a closely knit

commercial trade alliance exists between Belgium, Netherlands and Luxembourg) and France at the time the Korean incident "upset the applecart".

The advent of United States defense production priority regulations, plus the fact that the demand for Tektronix scopes far exceeded the production potential of our limited plant facilities, brought all export effort to a temporary, but nevertheless definite halt pending hoped for changes which would permit a resumption of such effort.

Recent developments within the National Production Authority and Economic Cooperation Administration now makes priority assistance available to aid in serving the nations whose political aim and outlook is sympathetic to the philosophy of Freedom.

Helped primarily by the now adequate numbers of instruments being produced by us at our new plant location, as well as by the priority assistance regulations, Tektronix has again become a meaningful factor in the electronic "export market".

A new distributor has been established in Oslo, Norway. Mr. Jens Stavnes and Mr. Jan Arne Narud visited with us in the spring of this year at which time tentative arrangements were first made. The firm through which Mr. Stavnes and Mr. Narud direct their efforts is The Eugen Nilsson Company.

Another new distributor to join the ranks of Tektronix boosters is the firm Protea Holdings, Ltd., Johannesburg, South Africa. Mr. Reuben Lurie, a director of Protea, visited our new plant during the latter part of September and tentative arrangements made at that time have since been solidified by mail and cablegram. Mrs. Lurie accompanied her husband and while here saw their very first game of American football, the Oregon-Stanford game, which they enjoyed immensely.

Cont'd on page 6



Vol. 1 No. III

January 1952

EDITOR Blanche Cook

CONTRIBUTING REPORTERS

Marian Arnold
 LaVerne Ballantyne
 Vern Bartlett
 Milt Bave
 Ellen Burton
 Lois Campbell
 Norma Caufield
 W. K. Dallas
 Bob Duhrkoop
 Miller Duris
 Carol L. Hall

Vivian Holden
 Ginny Levens
 Will Marsh
 Bill Muessig
 Jack Neff
 Ida Mae Norby
 Dick Schmidt
 Slim Sorenson
 Lou Thomas
 Helen Thome
 Jack L. Turley

We wish to thank the following for assisting on this publication:

Gladys Ernstmeyer Mel Lofton
 Chris Larsen Ken Walling

PAY DAYS

Our pay checks will be distributed on Monday, January 21. Our pay periods are from the 1st to the 15th and from the 16th to the 31st. It takes about a week to get the payroll ready and as a result we actually receive our checks on the 5th and the 20th of each month. However, if the regular payday falls on a non-work day, we receive our checks on the following work day.

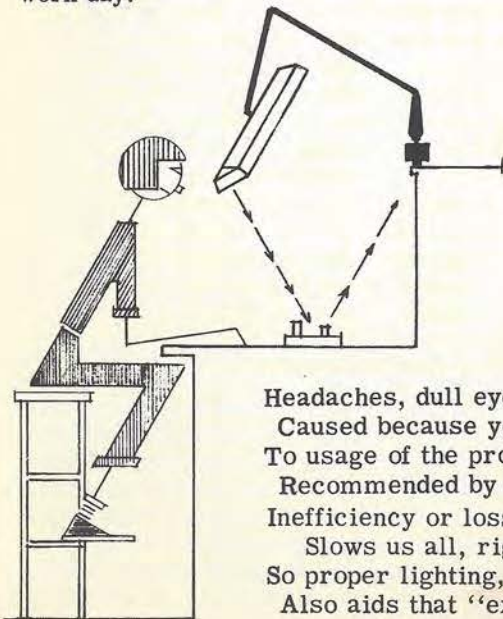
FIRST AID CLASS

First Aid Class will learn the new back pressure, arm lift method of artificial respiration. The new method has been adopted by the American Red Cross and State Industrial Accident Commissions all over the country.

The first class started Monday, January 7, at 2:30 p.m. in the Tektronix conference room and included the following people: HELEN THOME, NEPIE SWANSON, ROGER CARTER, LUCILLE OVERLAND, EVELYN JOHNSON, GLADYS KOCH, DOUG PROUTY, DON PRATT, JOHN KOBBE, OTTO SORENSON, BOB STRUTZ, KATHRYN BARTMESS, CARL HELMER, and FRANCIS FROST.

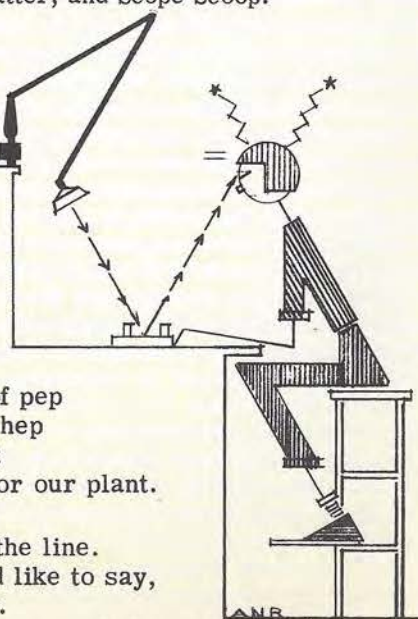


The top five names for the paper are listed in order of their selection: Tek Talk, The Scope, Tektronical, Chassis Chatter, and Scope Scoop.



Headaches, dull eyes, loss of pep
 Caused because you aren't hep
 To usage of the proper slant
 Recommended by experts for our plant.
 Inefficiency or loss of time
 Slows us all, right down the line.
 So proper lighting, we would like to say,
 Also aids that "extra" pay.

By Norma Caufield



RIGHT.

WRONG.

W. K. DALLAS, Sales Manager, Head of the Export Department, raconteur, and esteemed judge of rare fruit juices may be seen almost any morning before ten, patronizing Mrs. Brown's Tektronix Tea House. Dal, who couldn't understand either why he was christened Warren, is an eager addict of the brown bean brew; this product of Mrs. Brown's establishment he quaffs without a quaver and it never warps that bristly, infectious grin.

Dal was born in Galion, Ohio, where, he proudly points out, they manufacture road scrapers and burial vaults. These people obviously lead such an earthy existence that Dal's esthetic restlessness bade him patter out in patient pursuit of the elusive electron.

During the war (the last one, of course) he was one of Western Electric's Field Engineering Force. As Radar Engineer he covered, at different times, the North Atlantic, England, and North Africa, introducing radar to units of the Army Air Force, and instructing the men in maintenance work. This effort was on the first airborne gear used in combat operations.

Toward the end of the war, Dal was chairborne in New York, playing stateside godfather to 53 engineers abroad by taking care of their itineraries, passports and visas, and forwarding their pay checks to the proper places. These lessons in geography and diplomatic assignment provided priceless experience for our Export Department.

Our fence-rail philosopher spreads enthusiasm among the knockouts and knot-heads of the Sales Department like rice at a wedding. Many difficult situations are made easier by his patience and personality. These attributes help qualify him for his key job of Sales Manager.

As Dal himself will tell you in a few hundred well-chosen words, there's more to it than meets the eye.

The Tektronix Bowling League has now passed the one-third mark of competition. CEC FLETCHER and GRACIE GASSER still lead the field in individual average. The Hysteresis team is strengthening its first place standing, but now that the holidays are over, the other teams are determined to start hitting the pins and narrowing the gap. Several good scores have been rolled lately and as the season continues, the scores should be getting higher all the time.



Junior partner in the Dallas and Drain cubicle is MARJ DRAIN, vivacious, sagacious and gracious. Marj, a native of Nebraska, was born in a place called McCook, pronounced like a polite hiccup.

Always trig as a trivet, Marj can whip up a new style sensation before the Governor of Alabama can say Jackie Robinson; the results of these efforts are quite pleasantly decorative. When not working at Tektronix, Marj may be learning things about ceramics, beating out a tune on the piano or singing for someone.

Marj sings in the Portland Symphonic Choir which is heard, incidentally, over KEX every Sunday. Last spring when the Portland Civic Theatre presented a musical comedy, "Hazel Kirk, or a Woman Wronged", Marj was one of three who cavorted uninhibited over seats and audience, singing, playing the piano, and dancing the Charleston.

We offer condolences to General Electric's Portland Office, which lost Marj to Tektronix last April; we know how G.E. feels without her, for she was gone during the holidays. She and her brother, through either ignorance or sheer bravado, planned on driving back to Redwillow County, Nebraska, where the only thing growing taller than corn is the drifting snow.



Left to right: Vern Bartlett, Doug Prouty, Jack Gaeth, and Jack Neff. See page 5



PAIN T BOOTH

About two months ago Tektronix bought the eight-foot Cascade Water Wash Paint Booth. The booth, located in the shop, is divided into two, four-foot sections, making it possible to spray two different types of paint at the same time.

A recirculating pump delivers 300 gallons of water per minute across a curved metal backdrop.

Air is drawn through the falling water by a thirty-inch fan mounted on the roof. The paint-laden water droplets on their way up the stack pass by an evaporator where they spill into a series of "vee" shaped troughs and are drained back into the system.

By adding a compound to the water, the paint pigments are kept floating on the surface of the water. Some companies salvage this otherwise lost paint and realize a saving of many thousands of dollars per year.

The entire system is about 95% effective in removing the paint from the air. In some cases the air is so purified that it can be recirculated throughout the building.



From Painesville, Ohio comes ALLEN G. TUTTLE, day-shift paint man who does the gray wrinkle finish we see on the scope-cabinets, transformer cans, etc. "Tut", as he prefers to be called,

has been with Tektronix since June 18 of this year. His hobby is fishing. So far he has fished the Columbia and Sandy and says there are no fish in either one. He should hit a smelt run some time.



BOB STRUTZ is the Shop foreman on swing shift and had been the only painter for two years. Bob has been with the Company for three years, and has done a fine job both as foreman and painter. He

has a family of five; two are married and one boy is overseas. His hobbies are hunting, fishing, and woodworking.



Also at the paint booth is HOWARD DANIEL. Howard applies gray lacquer to cathode ray tube shields, fans and other parts, and clear lacquer to all etched aluminum parts. He is very interested

in plastics and has completed a one year course in injection molding and fabrication. Strictly an Oregonian, Howard was born and raised in Newberg and now owns his home there. He has been with us since March 28, 1951.



WALT ZOUCHA is one of the newer employees and has recently been trained as a painter. Before coming to Tektronix he and his brother were contractors, building houses. Walt is single and does woodworking for a hobby.



WALLY COUTURE, another of the newer employees has been with us three months and works on swing shift. Previously, he did sheet metal work and now does lacquering. Photography, wood-

working and fishing are his hobbies. Wally lives in Sellwood and has three children.

Hands on page 2 belong to ALLEN TUTTLE.

CHRISTMAS PARTY

Characterized by numerous tape recorders and countless amateur camera enthusiasts, the gay, colorful Christmas parties for the day and swing shifts were held in the machine shop, Friday, December 21, with JACK HENDERSON as the Master of Ceremonies.

Getting things off in a bright, musical fashion, was the opening Christmas medley of "White Christmas", "Frosty the Snowman", and "Santa Claus is Coming to Town", played by the Tektronix band. VERN BARTLETT played the piano; JACK NEFF, alto sax; DOUG PROUTY, trumpet; and JACK GAETH, tenor sax. Carrying on with the yuletide theme, the swing shift girl's trio with GLORIA POOLE, RUTH WELLS and IRENE WILSON sang "The Christmas Hymn".

In keeping with the traditional religious theme, the story of the Nativity was narrated by BILL CAUSGROVE. To accompany the story, scenes of the Nativity were displayed on stage; these pictures owned by MRS. BROWN were of felt composition with oil painting filling in the detail. Assistants with the boards were: JOE GRIFFITH, CY LITTLEFIELD, PHIL MALLERY, and DERROL PENNINGTON.

Under the direction of BOB DUHRKOOP, the Swing Shift Choraleers followed with "Joy to the World". The Choraleers consist of GLORIA POOLE, RUTH WELLS, HELEN THOME, IRENE WILSON, HELEN RILEY, DON BURKEY, WALLACE COUTURE, CARL DUHRKOOP, BILL HUTTON, LEE WARNER, WAYNE STRUTZ, DON CLIFFORD, and CLYDE FABER.

Next for a little variety, the band entertained with another medley of "Tea for Two", "Talk of the Town", and "Blue Moon".

The Men's Glee, led by JACK HENDERSON, rendered two numbers, "Winter Wonderland" and "Oh, Mary" (Negro spiritual). Participating in this were DON CALNON, BOB POULIN, DICK TOLLISEN, GEORGE ROUSSOS, CHUCK NOLAN, DALE HOLIDAY, DARREL WILHOIT, LOWELL HADLEY, and BILL POLITIS.

Then everyone joined in a "community sing" which consisted of four numbers, "Jingle Bells", "I Wish You a Merry Christmas", "Silent Night", and "Twas



Front, 1 to r: June Bass, Irene Parsons, Bob Duhrkoop, and Elaine Sutton. Back, row: Peggy Whoolery and Helen Walker.

the Night Before Christmas" -- sung to the "Christmas Chopsticks" arrangement. MARJ DRAIN, VERN BARTLETT, and the piano provided the music, while JACK HENDERSON co-ordinated the singing.

The Choraleers, singing "The First Noel", and the band, with the final number, "Honeysuckle Rose", ended the program.

During the serving of the refreshments BOB HERREN showed FRANK HOOD's movies of the summer picnic. All in all the program was a well balanced show, efficiently conducted by JACK "Milton Berle" HENDERSON.

The refreshments were served by IDA MAY NORBY, DOROTHY REEVES, ALDEAN FEITUSH, MAXINE CALVERT (who made the caps and aprons), MARJ DRAIN, BILL LEE, BILL CAUSGROVE, ELLEN BURTON, JOE VISTICA, JOHNNY TAYLOR, SYLVIA RICHEN, BEULAH VEACH, WENDELL FERLAND, and HELEN WALKER. The gum drop favors were made by EVELYN JOHNSON and GLADYS KOCH.

ROSE AVERY planned the decorations, and Ralph Davis did the decorating. The chairmen for the event were GLADYS KOCH and EVELYN JOHNSON.

The tricky top step and the platform were built by the fellows in the shop under the guidance of HARRY RIESCHEL.

RAMONA PRICKETT, 513, loaned the tree ornaments and lights for the Christmas party.

Our thanks to Mr. Ralph Davis for the beautiful Christmas decorations throughout the plant and to RAY WISMER, 517 group, for gathering the greens for the decorations. Ralph Davis is a decorator for Meier and Frank Company, and is the husband of TINY DAVIS, 512 group.

BONNETS AND BOOTEES

The distinct odor of cigar smoke was noticed on two different occasions recently in the Shop. Two men, equipped with boxes of cigars and large smiles made the rounds announcing the arrival of one fine son each. ARMON (Mac) McDOWELL, machinist, is the father of Michael Alan, 7 lbs. 6 oz., born November 6. Another machinist, LEE PENSON, was presented with Alan Ray, 8 lbs. 4 oz., on December 6.

A new edition to the DICK GARY family was published on December 9, weighing in at 6 lbs. 15 oz. Dick, 512 group, proudly informed us she is 18-1/2 inches long and her name is Alison Jenelle.

Gordon Bruce Goodfellow, son of TED GOODFELLOW arrived Sunday, December 9. This is the second child in the Goodfellow family, and the parents are very proud, of course.

Henrietta and CHARLIE LIU announce the birth of a son, Christopher, at St. Vincents Hospital, Sunday, December 16.



There was a minor explosion in Engineering 2 on December 20, when JOE GRIFFITH of the tube development section, set off a bell-jar of hydrogen by a static electricity spark from the end of his finger. Fortunately, there were no injuries or damage other than to the bell-jar. Hereafter, Joe is being more careful of his finger.

ROGER HAIGHT, formerly of the Shop, is now a member of the test crew. We of the Shop wish him luck in his new job.

TEKTRONIX ABROAD

Cont'd from page 1

MARJ DRAIN and DAL are in daily correspondence with the above parties as well as many others in other countries; South America, India, Australia, Switzerland, West Germany, etc., and it is only reasonable to expect, barring unforeseen complications, that the near future will see an ever increasing percentage of our collective output going to other and far flung lands where, we are confident, the effect will be to "win friends and influence people" relative to our way of life.

THIS 'N THAT

Speaking of pink clouds floatin' around-watch that first cable table. Another cable girl has succumbed. We hear LAVERNE BALLANTYNE said yes to her "Dutch"-no date set yet.

BOB GEST, of the Aluminum room, was one of those lucky people who spent the four-day Christmas holiday with his parents in Kennewick, Washington. Must have been someone else there, too, as Bob became engaged.

ED FROESCHLE is that new fellow you see in the Special Group. Welcome to our plant, Ed.

We have it on good authority that HOWARD VOLLUM, our President and Chief Engineer, has moved into his beautiful new home near Skyline Blvd. and Cornell Road. It was designed by MEL LOFTON of our Drafting Department who, incidentally, designed our Tektronix Bldg.

FLORENCE BROWN is proud of her youngest brother, Pvt. Harry E. Stewart, who recently took time out to write one 95-foot letter to their Mother. He is stationed at Aschaffenburg, Germany.

KEN JACOBSEN of the stockroom is busy with interior decorating and land-owning problems these days, and expects to move into his new house about the 1st of February. His new home is west of Beaverton on Division Street, and he will be a neighbor of JOHN LARSON.

WANT ADS

For Sale: 5 male Cocker puppies. Pure bred, no papers, \$15.00 each. See SLIM SORENSON on swing shift shop.

For Sale: Oil burner, 3-room size, M. and W., \$25. BETH PRIES, 514.

For Sale: Russian pony fur coat, size 16, black, \$30. CAROL HALL, 514.

Free: 2 month old part cocker puppy. LORRAINE MURPHY, 514.

TEK TALK



VOL. I NO. IV

FEBRUARY, 1952

TEKTRONIX CLIMATE CONTROL

BY LOGAN BELLEVILLE



The air conditioning system at Tektronix is designed to provide maximum year-round comfort to the employees. (In answer to the small voice I hear in the back row, I know-- we have been cold several mornings. We are sorry and every effort will be made to reduce the number of times this may happen.) Now, may I go on with my story.

The heating and air conditioning problem at Tektronix is one of the most complicated yet encountered in this area according to our heating and air conditioning engineer, Dick Blankenship, of the engineering firm of W. Bruce Morrison. Mr. Blankenship also provides the information that Tektronix is one of the three large buildings in Portland which is completely air conditioned. The other two are the Oregonian Building and the Equitable Building. Also, that Tektronix is the only completely air conditioned factory in Oregon. The complication of our air conditioning system is due to the varied activity of the various departments of Tektronix. At one extreme we have the offices on the east side of the building, which, in cold weather, require considerable heating. On the other extreme is the Test and Calibration Department, which is in the center of the building with no outside walls to lose heat and with a large amount of heat produced within the room by the many instruments in operation. As a result, even

CONGRATULATIONS

The first of a group of fifteen special Type 517 instruments was sent to the Naval Research Laboratory, Washington, D.C., on Friday, January 11 by air. It is well worth noting that this initial instrument was requested by the N.R.L. people for delivery January 15, but our earliest possible estimated delivery date was set for January 25. A phone call from N.R.L. indicated their pleasure with the earlier than estimated delivery.

This is the kind of service that TEKTRONIX would like always to give our customers. In this case, we were able to do so through the valiant efforts of CHARLES NOLAN, BILL POLITS, and BOB POULIN who made the design changes; and the 517 crew under the leadership of "WHITEY" EMMARSON and LEONARD MASON who again demonstrated their ability to survive "modifications". RON HANKINS and LEON PRENTICE of the Drafting Department turned out a new front panel mock-up for the special instrument in "jig-time".

TRANSFORMER SCHOOL

The Tektronix transformer school in theory and design has begun with Professor GORDON SLOAT wielding the chalk and pointer. It has been planned that there should be about 8 or 9 sessions meeting every Thursday afternoon from 3 to 4 o'clock. There are twelve people taking the course and each person has been given a problem in designing a transformer which must be completed by the last class session.

N.Y. OFFICE LOCATION CHANGED

After February 1st, Tektronix Eastern Division activities will be centered at our new office address, 49 Pondfield Road, Bronxville 8, New York.

We hope to be able to include a detailed story from reporter JACK DAY on Eastern "doings" in an early issue of TEK TALK.



Vol. 1 No. IV

February, 1952

EDITOR Blanche Cook

CONTRIBUTING REPORTERS

Darlene Adams	Jack Neff
Marian Arnold	Ida May Norby
LaVerne Ballantyne	Gloria Poole
Ellen Burton	Dick Schmidt
Bob Duhrkoop	Slim Sorenson
Vivian Holden	Lou Thomas
Ginny Levens	Jack Turley
Will Marsh	Ken Walling

We wish to thank the following
for assisting on this publication:

Gladys Ernstmeyer	Mel Lofton
Chris Larsen	Ken Walling

W. K. DALLAS is the author who took us around the world in "Tektronix Abroad" in the January paper, and MILES TIPPERY is the one who presented the funds to "pay for the trip" in his article "Production Pay Adjustment" which appeared in the December copy. Our thanks to both for a couple of fine articles.

* * *

Test work on 517's, which until recently has been done in the Engineering Department, is now done in the Test Department by DICK SCHMIDT and RODGERS JENKINS. This has relieved Engineering of a large load and has given them more time to do development and design work.

* * *

ATTEND SAFETY SCHOOL

MILTON BAVE, GORDON SLOAT, MILES TIPPERY, and JACK TURLEY attended an intensive one day course on Human Relations in Safety and Supervision sponsored by the American Society of Safety Engineers, January 30th.

* * *

RHIGER REMAINS IN RUNNING

DICK RHIGER passed the candy recently with a practiced hand. Last January 12 this world of toil and turmoil was greeted by the fourth of what appears to be a long line of Rhigers. CHUCK GASSER has not yet confirmed plans to use this material in 517 advertising. Daniel Richard is the lad's name; he appeared weighing 7 pounds and 13 ounces, and why do people ask?

* * *

W. K. DALLAS' definition of work: "That flurry of activity between coffee times."

ACTIVITIES

JURI KAUK has volunteered to teach skiing fundamentals to those who are interested. For further details see Juri in the shop days. If you are wondering who Juri is, see his picture in Tektronix Twosomes column.



FRANCES "Bunny" LUKEN at Timberline

* * *

The Portland Figure Skating Club, of which JACK MURDOCK is vice-president, extends an invitation to all those interested in learning to ice skate or desiring some good exercise to come ice skating on Thursday evenings. Club period is from 7:00 to 8:00 and public skating is from 8:00 to 10:15. For additional information on club activities and skating you may contact either MERLE MILLER, in stock, HOWARD VOLLUM, or JACK MURDOCK, all old members of the club. They have some free passes which will entitle you to a swell session of skating and an introduction into the club activities. It is hoped we will see many of the TI gang at the Thursday night sessions.

SQUARE DANCING
INTERESTED?

see

JACK TATE
Shop- -Swing

PLANT TOURS

The Naval Reserve Volunteer Research Unit 13-4 will visit Tektronix on Tuesday, February 12, 8 p.m. This group is composed of Electrical Engineers who are interested in scientific research.

* * *

SCOTTY says: "The quantity of orders is fine, and the only way it could be better is for everyone at Tektronix to buy an oscilloscope to check their three minute eggs."



In answer to your many questions about our cartoonist, his name is **ARNOLD RANTALA** and he is a member of the Drafting Department. He joined Tektronix November 1, 1951, and in a very short time made himself known through his ingenious cartoons and spontaneous

sense of humor. He is one of these people to whom something unusual is always happening, and he never fails to take advantage of the occasion by whipping out a funny cartoon. Several of our Tektronix people have found themselves caricatured in one of these objects of funnery, so let this be a warning to you.

In talking with Arnold, we find he has two hobbies which overshadow the greater part of his extracurricular activities. One is his player piano which he procured in June. He immediately set out to clean the inner workings, and if you have ever seen the inside of a



player piano, you can realize what a task this was. We would like to know, Arnold, were there any parts left over? Arnold has a collection of 200 player piano rolls, 100 of which are expression player piano rolls; these are a very rare item. As part of this hobby, he has quite a collection of phonograph records, about 200 albums to be more explicit.

This interesting member of our organization, prior to coming to Tektronix, was drawing for a landscape architect. At one time, he did production illustrations for the ship-

yards.

Arnold not only does drafting and cartooning, he has another main hobby; textile design. We hope that someday we will see some of his designs on fabrics selling in the best department stores over the country.

Another Arnold Hobby--bowling over the girls



THIS 'N THAT

BOB LIVINGSTON, 517, found it necessary to get a '47 Dodge to battle the snowdrifts around Damascus---another newer car owner is **KEN KING** who bought a '51 Plymouth Suburban---**JOE VISTICA** can now be found in Stock; **KATE PROBSTFIELD** and **FRANCES TRAVER**, in 512---on lendlease are **JOYCE NEILAND**, **ELEANOR CUTLER** and **AILEEN SIMMONS**---**DOROTHY GARRISON**, 517, insists her '38 Dodge is green when it is really blue--color-blind, Dorothy?

Recently recuperated from the sutures and scalpels of various hospitals are the following: **HARRY ALLISON**, **FRANK HOOD**, **TINY DAVIS**, **RUTH WELLS**, and **HENRY HAASE**. Still recuperating from a dog fight--yes, we said dog fight--is **IRENE PARSONS**. Don't you know it is permissible to bite back, Irene?

The men in the Test Department are really happy now that **BUCK MURPHY** has finally shown them a week's output of his "sluicebox" which he has "hid away" somewhere. Of course, everyone had to have a magnifying glass to see the minute particles of gold, but since everyone in Test has the old "squint", lo and behold, a few specks (nuggets as Buck calls them) could be seen. So everyone is now anxiously awaiting the day when he drives up in his Cadillac.

CERAMICS DEPARTMENT



If you happen to hear TED GOODFELLOW say that he is going to "fire" something or make a "kill" don't rush for cover for he is really quite gentle. When he speaks of "firing", he is talking about baking porcelain parts in his test kiln (pronounced kill) in his department. A kiln is a high temperature oven used in ceramic-work.

The Ceramics Department is the place where some of our special electrical porcelain parts are made. It came into existence about October 1951, and occupies a corner in the Shop near the aluminum stock room. In the mold-making process, you will recognize it by the bits of plaster of paris and clay dust over the general vicinity.

After the mold is perfected, Ted takes a dash of silica, a measure of kaolin, and a pinch of nepheline syenite; mixes it well, forms it in the mold, and bakes it at 2500 degrees F for several hours in one of his kilns (his own design) and presto--some delicate porcelain part has been made. These parts will conform to strict heat, mechanical, and electrical requirements.

Ted is a man of most varied background and capabilities. Both he and his wife have interests in ceramics, she being the designer and he the manufacturer. For five years, they made many items such as bells, mugs, vases, etc., and retailed them in their own shop on the coast. It was there that Ted became acquainted with Dr. West, a retired ceramic engineer, famed through England and Southern California.

Completely apart from ceramics is radio communications, and Ted is experienced in this line also. During the war, he was radio operator for the Federal Communications Commission. They say he sends code very expertly.

Still far afield from ceramics or communications is music. Ted once was a member of the Arkansas Travelers vaudeville show; the Weaver Brothers were a part of that group

also. Here, Ted met such people as Joe Penner, Fred Allen, and the Duncan Sisters. More recently he played the oboe with the Portland Symphony Orchestra and the Summer Band. He has worked under the direction of many distinguished guest conductors such as Paul Lemay, Willam Van Hoogstraten, Sir Thomas Beechem, and Ephraim Kurtz. He has played with the orchestra during concerts of guest soloists such as Jose Iturbi, Gladys Swarthout, and Alec Templeton.

Presently, Ted is lending his musical abilities to Tektronix through direction of a Flageolet Ensemble on Monday evenings. Each person in this tin whistle (Flageolet) brigade pipes very melodious tunes under Ted "the Pied Piper" Goodfellow's direction.

TEKTRONIX TEAM FOR TECHNICAL TOPICS



Tektronixites are pleased to welcome EARL SCOTT to our Engineering Department. Formerly filed in the local Federal Communications Commission office, Earl has been chasing electronic emanations all over the Northwest ever since the days when sparks were courted rather than cursed. The saltwater roll of his gait bespeaks his service at sea, separating signals from static.

Under Earl's broad, capable thumb, the Technical Information Department is now grinding out Instruction Manuals and Modification Manifestos. The working part of this outfit is MARIAN ARNOLD, who was formerly with the Sangamo Electric Company in Illinois. Probably permeated by beta rays at Sangamo Electric, Marian now insists on searching out intimate items of inter-element electron itineraries in between the manufacture of manuscript for Type 517 Instruction Manuals.

5
IN JANUARY

TEKTRONIX TWOSOMES



Did you know there are ten married couples working within the plant? We might know all or some of them as individuals, but let's combine them as happily married couples.

One of the twosomes is **BERT** and **ROSE AVERY**. Rose has worked for the Company since August, 1949, while Bert has been here since August, 1951.

Rose is the group representative of the Special Group on day shift, and Bert works days in the Transformer Department. Before coming here, Bert was a merchant marine and saw many foreign ports. He brought home several souvenirs for their home which is near Beaverton.

Bert's hobby is stamp collecting and Rose's is sewing--baby clothes, right now.



HARDA and **JURI KAUK** came to work in April of 1951. Juri works in the Shop and Harda is that little blonde with the perpetual smile in the 512 Group. They are refugees from Estonia and can tell many stories of the time spent in the German Prison Camps and Displaced Person's Camps.

Harda's father was a land engineer in their home town in Estonia prior to its surrender to the enemy. He is now living in Portland.

Juri and Harda are great sports fans, and Juri placed second in the Estonian National Ski Jumping Championship in 1943. They belong to an Estonian group at the Y.W.C.A. and are very active members.

Oil painting occupies Harda's spare time, while Juri repairs radios at home and at the

Portland airport.

Watch for some more of our happy twosomes next month.

BASKETBALL

This year Tektronix is sponsoring a basketball team in the Portland Basketball Association Leagues. The Tektronix team was placed in the Industrial League; some of the other teams in the league being Bonneville Power, Army Engineers, First National Bank, and Portland Traction Company. The players on the team are: **BOB LEIPZIG**, **CLAIR KIDD**, **HARRY REISCHEL**, **BERT AVERY**, **HAWKIN AU**, **JOE GAYTON**, and **LES STEVENS**. **ROSE AVERY** has been the scorekeeper and Harry Riesel's wife, **Bea**, has been the timekeeper.

The first half of the season ended with the team having a 4-4 record. The team was moved up to the Cascade League for the second half. Now that the men have become accustomed to each other's playing, the team is rapidly improving.

The games are played at various high schools. No admission is charged. Following is the schedule for the remainder of the season:

Feb. 5, at Roosevelt High, 8:15,
Tektronix vs Army Engineers.

Feb. 7, at Roosevelt High, 7:10,
Tektronix vs West Hills American Legion.

Feb. 13, at Washington High, 7:30,
Tektronix vs Belmont Boosters.

Let's get out and root for our team.



BILL LEE walking out front door with a cup of soup in his hand...**HELENE SCHMITT** breaking the ice at the arena..**BARB EKSTROM** asking for comedies with the movies....fellows in Shipping offering maps for those losing their way in that department..**GINNY LEVENS'** pet snail presenting her with twins...**MOLLIE SISSON** conserving the wire clippings from her chassis by inserting them into the end of her tricky kaleidoscope..**NORMA CAUFIELD** thumbing a ride home....

* * *

The girls in cables had a discussion about departments in which they would like to work, when this remark by **HAZEL DAVIS** was overheard, "I'd like to work in Testing, it's dark in there and there are lots of men."

Cont'd from page 1

in cold weather the Test Department requires cooling rather than heating.

In an effort to satisfy these varied conditions, the building is divided into nine zones and the flow of heated or cooled air to each zone is controlled by a thermostat in that zone. Shipping and the General Office is one zone, the Front Office and Drafting another, the several Engineering Rooms comprise a zone as does Personnel, Conference Room and Howard Volum's office. Test is another zone and Assembly and Shop account for two zones each so that the two ends of such large rooms can be individually controlled.

Fresh air is taken in through an opening in the roof and mixed with the return air from the various zones. This mixed air is then passed through the Westinghouse Precipitron (an electrostatic air filter which removes nearly all of the dust particles, pollen, and even the very minute particles which constitute smoke). The cleaned mixed air then goes into the mixed-air chamber and at this point receives a push from two large fans each driven by a ten horsepower motor. Beyond the fans is another mixed-air chamber where the air divides, one part passing through heating coils and the other part passing through cooling coils. Beyond the heating coils is the hot chamber and beyond the cooling coils is a cold chamber. There are openings from each of these chambers into air ducts leading to each of the nine zones. Dampers in each opening permit the proper proportion of warm and cool air to be sent to each zone to suit its need as determined by the zone thermostat.

In order to make working positions near the windows as comfortable as those in the center of the rooms, there are pipes embedded in the cement floor through which warm water is circulated to provide the additional heat needed near the windows.

A furnace which burns heavy oil is located in the small building in the parking lot and generates the steam which is transmitted through pipes running underground to the heating coils in the equipment room. The oil furnace is also the source of heat for our hot water system.

Cooling is provided by means of two large refrigeration pumps rated at 25 horsepower each. These are large editions of the sealed units used in modern home refrigerators. The heat which they pump from the cooling coils is carried by hot freon gas to condensing coils on the roof. These condensing coils have a spray of water and a large fan blowing air on them. Due to the resulting cooling, the hot



freon gas condenses to freon liquid and is then returned to the cooling coils in the cold chamber. At the input to the cooling coils, the liquid freon is released through a reduction valve and at the reduced pressure again becomes a gas at low temperature. The vacuum side of the pump draws freon gas through the cooling coils where it picks up heat and is again compressed to repeat the cycle.

Control of the above operations is accomplished by means of electronic equipment manufactured by the Minneapolis Honeywell Company. This equipment includes sensing elements which check the outside temperature, the inside temperature, the hot and cold chamber temperatures, the mixed air temperatures, and the temperature of the circulating water in the floor. The information from these sensing elements is sent to electronic control units which in turn control the steam valves, the air dampers, and the refrigeration pumps. The colder the outside temperature, the warmer the hot air chamber and the water in the floor heating panel must be. When warm weather comes the cold chamber will run colder as the outside temperature rises. The proportion of fresh outside air is also controlled to meet the changing needs. In very cold weather or very hot weather a minimum of fresh air, about 25%, is taken in. In only slightly cool weather the proportion of outside air is increased to reduce the cooling load. All of these functions are controlled by electronic control equipment and the aid of a small boy, who hopes that with a little more practice and instruction the electronic equipment will require less and less aid.

TEK TALK



VOL. I NO. V

MARCH, 1952



OUR PRESIDENT AND CHIEF ENGINEER, HOWARD VOLLUM, is a native of Portland and attended St. Stephen's School, University of Portland and Reed College, graduating in physics. An early interest in oscilloscopes was evidenced by Howard when he built his first nearly twenty years ago. One of the early scopes built in 1934, while Howard was a student at Reed is still being used there.

During the summer of 1937, Howard worked with Dr. O'Day of the Reed Physics Department on the problem of snow static interference in aircraft radio reception. This research was sponsored by United Air Lines. During the course of this work Howard and Dr. O'Day attended a session of the University of Michigan graduate school on the "Conduction of Electricity Through Gasses".

Late in 1937, JACK MURDOCK had his own radio and appliance business, and was looking for a sincere, technically qualified man to repair radios. A mutual friend recommended Howard, who proved capabilities far beyond those required, and a friendship was started which later was the basis of forming Tektronix.

When the defense program started in 1939, Howard was chosen to set up the radio project of the National Youth Administration. This program was a combination of theory and practice

Cont'd on page 6

TEKTRONIX TRADE SHOW PARTICIPATION

The 1952 Radio Engineering Show, sponsored annually by the Institute of Radio Engineers, is being held in New York, March 3 to 6. The Tektronix plant is represented by HOWARD VOLLUM, LOGAN BELLEVILLE, W. K. DALLAS, BYRON BROMS, and CLIFF MOULTON. JACK CASSIDY and JACK DAY of New York and ED BAUDER from the Baltimore Office will help present our equipment. The fellows report meeting many personal friends during show activities as well as many old friends of Tektronix.

At New York new friends will be made and doubtless new problems will come to light. This can only mean added opportunity for all.

* * * *



ED BAUDER, the genial and competent manager of Tektronix, Baltimore, is shown above with SCOTTY PYLE, one of our Sales Engineers. Ed visited us during the week of February 18 and brought everyone up to date on Tektronix activities in the Baltimore area, and at the same time diffused that million dollar personality and enthusiasm.

* * * *



VOL. 1 NO. V

MARCH, 1952

EDITOR Blanche Cook

CONTRIBUTING REPORTERS

Marian Arnold	Edith Groshong
Vern Bartlett	Will Marsh
Ellen Burton	Bill Muessig
Maxine Calvert	Jack Neff
Lois Campbell	Ida May Norby
Jack Clark	Dick Schmidt
Tiny Davis	Helen Thome
Bob Duhrkoop	Bill Webber
Miller Duris	
Ed Egan, photographer	
Gladys Ernstmeier, typist	
Ken Walling, printer	

As a result of insurance investigations, certain facts have been prepared which may be of interest.

The average age of Tektronix employees is 31.3 years. Contrary to audible and visual impressions only 38% are female.

47 of our men have wives, but no children, and 32 of our female employees have husbands (only one apiece) without children. The Gift Fund will take a beating when this gang gets started.

110 men of Tektronix have children, and of these 37 have one child, 47 have two children, 21 have three children and 5 stouthearted, fearless men have four children (Tektronix limit).

65 of our employees represent the finest characteristics, traditions and examples of motherhood. 18 of our mothers have one child, 33 have two children, 10 have three children, and 4 have four children.

BILL WEBBER says he is willing to call this mad race a halt at four children and declare the contest a tie, if the rest are. Confidentially, we have an excellent personnel counseling group available to those who haven't yet discovered what causes children.

The last and final statistics are presented with reluctance because if this figure gets outside of Tektronix, our Personnel Department would just be swamped with female applicants wanting to work here so badly they might even be willing to pay for the privilege. Likewise, perhaps our girls don't realize what a good thing Tektronix really is, as they probably never had it so good. Unmarried, single men outnumber unmarried, single girls over two to one; 46 unmarried men and only 21 unmarried women! LEAP YEAR HERE WE COME!

TRANSFORMER DEPARTMENT
CELEBRATES ANNIVERSARY

On February 21, the Transformer Department started its fourth year of operation under guidance of GORDON SLOAT. Prior to the organization of this department, transformers had been supplied by various local manufacturers.

Gordon came to Tektronix after leaving his electro machinery shop on the coast. Two others, to complete the original trio, are BARNEY GREGORY and RAY GRECO. Barney had been with Brown Electromasurement Company, and Ray was with Western Electric before coming here.

The total number of employees in Transformer and Coil now totals 27.

Gordon states that he feels he has one of the "swellest gangs in the plant".

* * * *

HOW TO GET TO WORK ON TIME

Don't try the short-cut over the bank and across the fields. The car just can't make it.

Don't try the ambulance----it goes in the opposite direction.

Don't stop on the highway to crack the concrete, or try to make pebbles out of a rock by using your head as a hammer. It just can't be done.

Neither should you stop in the middle of the highway and turn somersaults in the car.

All of these things will detain you for not hours but days. Ask LAVERNE BALLANTYNE, GLADYS KOCH and HERB RUSTRUM, and they will tell you to follow the straight and narrow and drive carefully.

All joking aside girls, we are thankful that you're up and around and that your injuries were only minor ones. Your Guardian Angel was surely with you.

We also welcome BILL HUTTON back to work after his recovery from an accident. Bill, who works in Stock, was taken to the hospital after a train hit his car.

JEAN PEARSON was hospitalized, also, when her cold turned into near pneumonia.

Another casualty was RAMONA PRICKETT who fell and injured her hands and knees.

* * * *

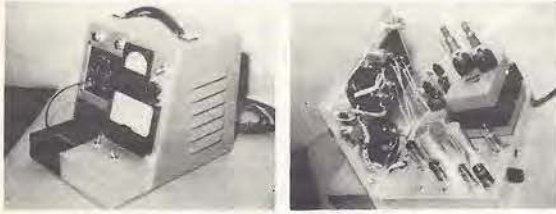
FOR SALE: 1947 Studebaker Champion \$875.00, two door sedan. See CHARLES LIU or call CA. 5742.

* * * *

Q. Heard in the stockroom: "What is a counter-sunk head?"

A. "A head belonging to someone who stood up under a counter."

HIGH VOLTAGE TRANSFORMER CHECKER



The instrument shown in the photos is a high voltage transformer checker and was recently constructed by RAY GRECO. This unit replaces a previous older model which was in two units and was designed by LOGAN BELLEVILLE.

This checks both the positive and negative outputs of the 511, 514, and 512 high voltage transformers. The circuit duplicates the high voltage power supply circuits in the scope, so they are checked under similar operating conditions. The checking is done before the transformers leave the Transformer Department, and thereby defective units are found before installation.



Ray has been with Tektronix since May 1949, and had previously been employed by Western Electric. Prior to that, he attended Multnomah Radio School and served two years in the army. He was one of the first full time transformer winders in the department. At present, his duties consist mainly

of general utilities; repairing equipment, making jigs, drawing rough plans for equipment, etc.

Ray states that he has no special hobby, although he is interested in radio and audio, and holds a commercial radio-telephone license.

* * * *

Congratulations are in the offing for ALBERT "Al" SPEGEL, Stock, who married Loretta Trachsel on January 19.

Another knot, encircling Viola Gantenbein and CAL LUDEMAN, Stock, was tied February 15.

Wedding bells rang on February 2 for DELLA LEE, who is now MRS. GEORGE FORTIN. Della wires 105's in the Special Group.

ACTIVITIES

The Portland Figure Skating Club has added approximately 20 Tektronixites to its membership list. Skating sessions are on Thursday nights from 7 to 10:15. If you have not been ice skating yet, see MERLE MILLER for a free introductory pass.

Another skating group was formed recently. This time to roller skate. MARJ DRAIN and CLIFF MOULTON can give the details of the time and place for these skating sessions.

* * * *

Who could have been more surprised than our Tektronix skiers when the fellow who managed to pull his head out of the snow bank at Timberline was our own BOB POULIN. His story is that he intended to give his friends a thrill by executing a quick stem turn in their midst after yelling "out of control". We are not quite convinced yet.

JURI KAUK has been instructing a number of our employees in the fine art of skiing. All of the "regulars" at Timberline will soon be experts if they keep practicing with their skis on and keep their heads out of the snow drifts. Happy landings, skiers.

* * * *

Several good bowling scores were bowled on February 14. SID JONES rolled a 206-136-239 for a 577 series. Then CEC FLETCHER had to show Sid up by rolling a 189-174-247 for a 610 series. Good bowling, men.

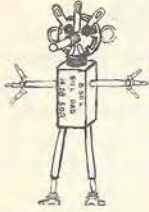
* * * *



L to R: Bill Britton, instructor, Helen Thome and Mickey Kokich in the First Aid Class.

* * * *

Following is a list of new employees: DICK MACNEILL, Test; GORDON ALLISON, Test; WALTER HOLT, Test; FRAN EGAN, Office; VIVIAN CRAWFORD, Cables. Vivian has worked for Tektronix before, and we are all happy to welcome her back.



This little Tektronix stock man was designed by IDA MAY NORBY from parts used in the Special Group. Any resemblance to living individuals is purely accidental. Drawing made by GENE ZIRSCHKY.

The Special Group is composed of approximately twenty-five employees who are responsible for the production of the smaller instruments such as the 105's, 121's, 122's, 104's, 160's, 161's, and 162's. The 210 and 420 power supplies, probes, delay lines, and engraving are also done in this group.

A special order of fifty instruments designed to be used in a University of Oregon Medical School Research program was recently completed by them.



Back row, 1 to r: J. Taylor, G. Zirschky. Front row, 1 to r: V. Kurz, I. Norby, and B. Veach.

Their leader is JOHN TAYLOR who has worked for the Company nearly four years. He was the leader for the complete assembly before the large expansion and move to the new plant. After hearing, "Why, John", all day at work, John goes home to almost as many, "Why, Daddy", queries from his little four year old daughter, Cheryl. Hunting is his hobby, and he can always take a rifle along if his aim with his bow and arrow is a little off.

In this issue, due to the large size of the group, we will tell you about only those responsible for the assembly of the probes, delay lines, 210's, and 420's.

GENE ZIRSCHKY works in the Probe Department and has been an employee since August 1951. Prior to that, he was a furniture maker and a Merchant Marine seaman. He can hold you spellbound with his stories of such places

as India, China, Japan, Palestine, Italy, France, and many others. His woodworking shop occupies much of his spare time and would be the envy of many.

JIM LILLY has been with the Company since June 1951, and also works on probes. Previously, he worked as a grocery clerk in Forest Grove. His home is in Gales Creek. Jim enjoys making floral arrangements and has decorated for a silver and a golden wedding for personal friends.



Back row, 1 to r: D. Burkey and J. Lilly. Front row, 1 to r: C. Bail and A. Martin.

ARLENE MARTIN wires 210 and 420 high voltage power supplies. She lived in Altamont, Kansas and worked in Beech Aircraft Company in Wichita before coming to Tektronix in January 1951. Arlene is interested in bowling, swimming, hunting and fishing. Photography is her hobby.

CHARL BAIL worked as a beautician in Portland before coming to Tektronix almost a year ago. She has worked on 121 Pre-Amps and 104 Square Wave Generators and can now be found wiring 210 and 420 high voltage power supplies. She likes hiking, tennis, hunting, and miniature golf.

DONALD BURKEY came to Oregon from Nebraska when he was three years old. He has been with Tektronix since last October, and works on 210 and 420 high voltage supplies. He took a home training course in radio, electronics and television, and his hobbies are radio and listening to ham operators. For sports he likes hunting, fishing, swimming, skiing, and mountain climbing.

The following girls are in the Delay Line Group:

BEULAH VEACH was an Iron Fireman employee before coming to Tektronix in May 1951. Her daughter was a May Princess at

Roosevelt High School last year, and is now working for the Portland School District. Beulah's main interests are keeping her home in "apple pie order" and entertaining friends there.

VELMA KURZ has been in the delay line section a short time, but has worked in the plant since July 1951. She has four children; three girls and one boy. Her biggest hobby is her family, but she lists sewing next. This comes quite naturally since she used to run many power machines for Jantzen Knitting Mills.

IDA MAY NORBY has been here over a year. She is a proud mother of two sons, age 7 and 12. The older boy shot a deer the first hour of his hunting trip with his father last year. Ida May says she will leave the hunting to him and continue her textile painting and sewing in her spare time. She also does oil painting, copper tooling, and leather work.

* * * * *

TEKTRONIX TWOSOMES



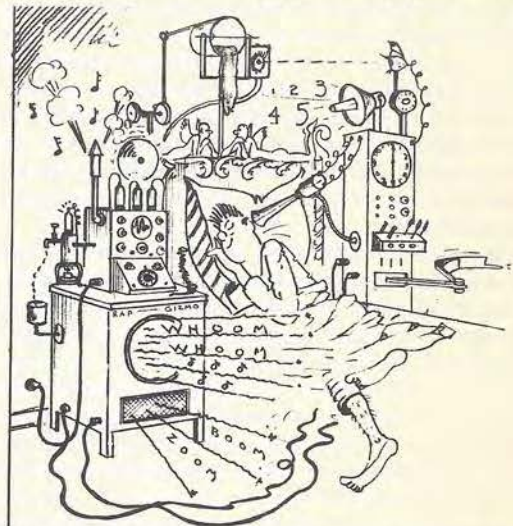
CHUCK and GRACIE GASSER have probably been married longer than any other company-employed couple. They soon will celebrate their sixteenth anniversary.

They came to Portland from Chicago in September 1947, because they had heard so much about Tektronix and Hawthorne Electronics, which were still new companies employing very few people.

Chuck went to work for Hawthorne Electronics and Gracie for Tektronix. She was one of the first girls to be hired by Tektronix, and has been with us about four years. Chuck came to the plant approximately one year ago. He now works in the advertising part of the Sales Department, and Gracie is responsible for many 514 powers and sweeps.

They both belong to the bowling league, and the pins really fall when they are in the alley.

Recently brought to light in the Engineering Department, a mental indiscretion of one ROBERT POULIN has initiated a lifting of eyebrows and a guarding of glances. Designed to revolutionize the sleep disturbing industry,



this benevolent accumulation of tubes and transients will make the alarm clock as obsolete as the iceman, if not as lamented. Instead of being beaten about the ears by the peace-shattering clamor of the alarm, one is subjected to more subtle treatment. First, the subconscious is gently stirred by four gentle beeps; a five-minute silent period follows, during which the sleeper gradually resigns himself to the inevitability of wakefulness and work; four more gentle beeps occur, and another period of blissful silence. After this period of preparation the beeping is resumed, firmly but courteously; by this time the patient is almost awake, and in such a beautiful frame of mind that he jumps out of bed and does six push-ups and a Highland fling.

It is rumored that after a cursory examination of this electronic maverick, Logan is considering a re-evaluation of the 517. Bob is apparently still harmless, but he is being watched.

* * * * *

SAL VALLARIO has spoken several times to sell popcorn at the swing shift movies. He hopes to be known as "Tektronix Pop Corn Tycoon".

PAULINE FANTZ attended the wedding of her daughter Joan, January 26. The marriage took place in San Francisco. Pauline traveled via Shasta Daylight.

KAY BARKER vacationed in San Francisco for one week with her daughter and husband.

Cont'd from page 1

designed to benefit the young people taking part, as well as provide skilled workers for the expanding defense program. Also in 1939, Howard was a winner in the "National Lottery" as his number was pulled out of the fish bowl early when Selective Service was started. On March 4, 1940 his military career started at Camp Roberts. After nine months of Infantry training and repairing the General's radio, he was commissioned in the Signal Corps and assigned to the Electronics Training Group. This was the first direct commission given at Camp Roberts.

Members of the ETG were sent to England for a period of eight months duty as radar maintenance officers. Instead of radar maintenance, Howard was sent to the English radar laboratory called the Air Defense Research and Development Establishment. There he worked for almost two and a half years as a development engineer on a high resolution radar for aiming the 15 inch Coast Artillery guns at Dover. This radar was easily the most accurate in service at that time, having a range error of three yards at 20,000 yards (about four miles) and azimuth or angular error of 1/20 of a degree. This radar was very effective in aiming guns which sank German ships trying to sneak out of the English Channel at night. For this work Howard was awarded the Legion of Merit Medal.

On his return to the USA just a few days before "D Day", he was assigned to the Evans Signal Laboratory at Belmar, New Jersey. There he worked on radar for use by the Army Ground Forces. Most of this work was concerned with radar detection and location of enemy mortars. This is accomplished by observing the flight of the shells and using this data to compute the location of the mortar. The same radar-computer combination is used for laying our own mortar fire on enemy mortar positions. For this work he was given an Oak Leaf Cluster indicating a second award of the Legion of Merit Medal.

After the war came Tektronix, which was officially incorporated January 2, 1946. The first two years were a struggle in designing and building the first models. During this early period in Tektronix growth when the 511 was started and established, Howard was the only designer. The effectiveness of the design of the 511 resulted in quick acceptance of the product and started phenomenal growth of an organization due to word of mouth advertising of satisfied customers.

Howard's personal philosophy of company structure is definitely opposed to the highly formalized regimented corporation. He has

utmost faith and confidence in each person and feels they should enjoy acceptance of personal responsibility.

In addition to his Tektronix activities, Howard serves as Special Consultant to the Department of Defense Research and Development Board, the Industries Committee of the Portland Chamber of Commerce, and the joint Institute of Radio Engineers - American Institute of Electrical Engineers Subcommittee on Laboratory Instruments.

Howard's hobbies have been tennis and photography. More recently, golf, ice skating and playing an electric organ have been added. His personal characteristics include a keen sense of humor and a natural ability to inquire into the whys and wherefores of fundamentals of any problem. This questioning of fundamental details is interesting as it questions points which others accept as being correct because it has always been done that way before.

Apparently Tektronix was growing to the extent that when 1948 (Leap Year) was completed Howard breathed a sigh of relief and says to himself sezze--I made it through this Leap Year but with all these new Tektronix gals, next Leap Year may be tough. So, by 1950, he made his own selection, so he thought. Anyway, he chased her (Jean "Kit" Kettenbach) until she caught him and they jumped into the blissful state of matrimony and such domestic chores as burning toast, boiling water, putting the alarm clock out at night and winding up Pepper, a nice black Labrador Retriever.

* * * *

MILT BAVE, back from a business-pleasure trip to Los Angeles early in February, was, at the time of this writing, travelling by foot--and how!

It seems Milt drove his family down south for a visit and then graciously left the car with them while they extended their stay. Milt flew home and ever since he has been walking to and from the plant and keeping a piercing hawk-eye peeled along the road for a pick-up, boost, lift, ride or anything at all on wheels, skids, treads or wings going in his general direction.

SLIM SORENSON, swing Shop, and ROGER HAIGHT, day Test, have got their heads together on a flighty project. Slim is building a radio-controlled model airplane with a nine foot wingspan and Roger is whomping up a transmitter and receiver for same. Slim says the plane will be controlled by radio impulses relayed to the motor and to movable elevator and ailerons. The front wheel of a tricycle landing gear will also be movable for remote control taxiing on the ground. Watch out for them apple trees, fellers.

"Things surely happen fast at Tektronix". This was one reporter's observation one Monday morning when he almost walked into an office that wasn't there the preceeding Friday.

Yes, after five years without an office MILT BAVE finally has one. The structure, next to the front shop door, also houses headquarters for LARRY VOLLUM. The double office has large windows and circulating fans, and is painted to match the north shop wall.

Another shop addition is a tool room, as yet not in use, which will house all jigs, small tools and a drill grinder. Tools will be checked in and out in the regular shop procedure, and it is expected that this will make for better efficiency in the allocation and use of small tools.

TED GOODFELLOW is very proud of the new location of his Ceramics Department. He is now situated in a bigger and better room in the quonset hut near the Carpenter Shop (where it is much more quiet).

HAROLD MILES has been transferred to Aluminum Stock, and RODGERS JENKINS and DON CALNON can now be located in Engineering.

JACK MURDOCK participated in a panel discussion at a conference held in Seattle on February 25. The Conference, entitled "Explaining Your Business", was sponsored by the United States Chamber of Commerce.

Congratulations to MIKE PARK, a transformer winder, on passing an amateur radio license examination. He will be on the air as soon as his call letters arrive from Washington D. C.

The painters have built quite a mountain of cabinets in the past few weeks, almost isolating the Etching Department. However, the mountain began to dwindle slightly for a day or two. Now we hear it is to build up again. Okay, just so it doesn't squeeze the Etching Department out altogether.

For several days lately there have been some large tanks manufactured in the Shop. These tanks, some of stainless steel, some of aluminum, will be fitted into wooden containers and be used at the new etching plant.

The 511 group is "tropicalizing" scopes. The chassis and all parts are sprayed with varnish to prevent damage by fungi.

The 512 Group missed LOU THOMAS who was absent for two weeks while having dental surgery.

Sight of the Week: CARL HELMER was seen working at the Transformer assembly table with a sign attached to the back of his chair which read as follows: "Don't jar, I'm going to be canned".

The engagement of Helen Coulson and TIM KIRTLEY was announced on February 2. No date has been set for the wedding, at least that's what Tim says, and right now he's looking forward to a two week's cruise to San Diego with his Naval Reserve Unit. Tim probably wants to do his travelling while he can still get away.

* * * *
OH, GEORGE!!



Where is that man? What did you do with the dishes? Where is my suitcase? Oh! The curtains, I mustn't forget them. What, you have the car loaded and are waiting for me? All right, I'm coming, George. Where is the dog? There, I'm all ready now. Where do you think I'm going to sit--in the fish bowl? Ahhh, I've squeezed into the car at last. Oh, George, I forgot my broom. I'll be right back. Let's see where did I put it. Is that the car starting? IT IS. OH, George, wait for me.

P.S. GINNY LEVENS and her family are all settled in their own little house (at last). What, you knocked and no one answered? Oh well, Ginny was probably dreaming in front of her new automatic washer.



ALDEAN FEITUSH and PHYLLIS GLYNN using a pop-up toaster at coffee and lunch time---FRANK LUCERO making delicious fudge when using a secret ingredient---PAUL HANSEN, 511, wanting to go Snipe hunting---ELEANOR CUTLER making money with a tin cup and pencils---DARLENE (SLIM) ADAMS dieting and melting away---EILEEN SEARLE carrying home five chocolate bars, for her daughter, she says---GEORGE ROUSSOS carrying skis and walking down the "Magic Mile" because he is in a hurry---

* * * * *

Mgr.: "For this job we want a responsible man".

Applicant: "Then that's me. Everywhere I've worked, when something went wrong, they told me I was responsible."

BONNETS AND BOOTEES

AL FOLEEN is the father of a new son, Chris Henry, born January 24. Al, who works on frames in the Shop, says his son weighed in at 8 lb. 10 oz.

GEORGE SCOTT, inspector in the Special Group, became a proud daddy on February 4, of a 6 lb. 6 oz. boy named Steven Arnold.

Delores and DICK SCHMIDT are now the proud parents of a son, David Charles, arriving February 4 and weighing in at 7 lb. 15 oz.

Nellie and MILES TIPPERY announced the arrival of a 6 lb. 15 oz. daughter on February 27. Miles said the baby, Joyce Christine, has red hair.

* * * *

CONFUSING ENGLISH

Tommy: "Is there a Christian flea, Papa?"
 Papa: "What put that idea in your head?"
 T—"The preacher read it today from the Bible, 'The wicked flee, when no man pursueth.'"
 P—"Why, Tommy that means the wicked man flees."
 T—"Oh! Then there is a wicked woman flea?"
 P—"No! It means that the wicked flees—runs away."
 T—"Why do they run?"
 P—"Who?"
 T—"The wicked fleas."
 P—"No, no! Don't you see? The wicked man runs away when no man is after him."
 T—"Oh! Is there a woman after him?"
 P—"Tommy, go to bed!"

This was noted in "QUOTE" taken from the CHRISTIAN UNION HERALD.

* * * *

Of all the things you wear, your expression is the most important.

A CHASSIS WIRER'S LAMENT

By Edith Groshong

The fellows in Test showed no appreciation
 When she made her own little modification.
 She changed several resistors whose colors
 did clash

She was just trying to be so helpful, not rash.
 As for wires there were absolutely too many
 So she left out a few and waited for KENNY
 To shower her with words of gratitude and praise
 (Of course, there would be a promotion and raise).

 When the smoke cleared from around the Testing
 room door

There was one little chassis wirer there no more.

The WALL STREET JOURNAL tells this one about a preacher who liked to confuse his congregation, when he noticed the deacons nodding in the pews. Talking about missions one Sunday he saw quite a few grabbing off more than 40 winks, so he cleared his throat and said:

"You see our missionaries are often thrown among unusual dangers. One told me once of being bothered with mosquitoes, where he was stationed, a large number would weigh a pound and as he went through the jungle, they would light on logs and bark."

This got the congregation wide awake. He finished his sermon and was immediately accused of stretching the facts. The good people could not believe mosquitoes weighed a pound anywhere on earth and even so they would not bark. The good man answered his accusers by explaining:

"I did not say they weighed a pound. I said a large number weighed a pound and a million probably would. Neither did I say they barked. I said they would light on the logs and bark and that they did for all logs have bark, you know."

CHICKEN OWLS

Dedicated to STEVE HUGHES
 By SLIM SORENSON

Did you ever see a chicken owl?
 When you do you'll really howl,
 But ask the welder, Steve,
 And a surprise you'll receive.
 He went out one morning
 To gather the eggs adorning
 The chicken's nest of straw,
 But received a "hoot" and saw
 That the chickens were owls
 And, of course, the wrong fowls.
 He ran out for chicks to see
 And found them all, right in a tree.
 So now Steve welds and howls
 How to solve a puzzle of fowls and owls.



TEK TALK



VOL. I NO. 6

APRIL 1952



OUR GENIAL GENERAL MANAGER, JACK MURDOCK, has been interested in business and people for a long time. When he graduated from Franklin high school in 1935, he chose to go into business for himself instead of going to college. The fact that he didn't go to college didn't mean he wasn't continuing his education. Jack always has been a keen student in many fields of endeavor. Always interested in radio and electronics, he is very well informed on these subjects. His greatest field of interest, however, is people, their problems and behavior, both as individuals and in society generally.

Jack's first business venture in 1935 was the radio and electrical appliance business at 67th and Foster Road, under the name of M. J. Murdock Co. His friendly personality and honest business policies made the M. J. Murdock Co. a success from the start. The country was just emerging from the depression so that it took real selling to get people to buy such things as electric water heaters and refrigerators.

It was at this time Jack needed someone to take care of the radio service department so that he could put full effort on sales. A mutual friend recommended HOWARD VOLLUM for the job, starting a friendship and business association which eventually was an important factor in starting Tektronix.

Cont'd on page 6

I. R. E. TRADE SHOW

Tektronix exhibited all of its test equipments and oscilloscopes again this year at the annual IRE National Convention in New York City, March 3-6, at Grand Central Palace. The convention was attended by approximately 30,000 spectators, most of whom were IRE members and employed in the electronics industry.

Approximately 400 electronic exhibitors occupied four floors of Grand Central Palace. The Tektronix exhibit on the second floor was attended by HOWARD VOLLUM, LOGAN BELLEVILLE, W. K. DALLAS, BYRON BROMS and CLIFF MOULTON from Portland; JACK CASSIDY and JACK DAY of the New York office; and ED BAUDER from the Baltimore office.

Attendance at the show was much higher this year than previously, and Tektronix attracted their usual large crowd of old customers, prospective customers, and interested people. They displayed surprise and considerable added interest at the shortened delivery schedule now available on some of our instruments. The 517 customers were pleased to know that the 517 instruction books and the probes are on the way. Of the eight Tektronix attendants at our booth, four or five were continually busy answering questions and meeting the crowd while others attended presentations of technical papers or the exhibits of our component suppliers. New ideas and production methods were exchanged with various exhibitors and customers.

Short form or long form catalogs were distributed to anyone requesting information. One of the highlights was the new Type 524-D oscilloscope which was displayed for the first time. The oscilloscope was connected into an RCA television receiver so as to display the electrical signal from television station WABD-TV in New York City. Comments about the Type 524-D were very favorable and this instrument will soon be in production.

* * * * *



VOL. 1 NO. 6

APRIL, 1952

EDITOR Blanche Cook

CONTRIBUTING REPORTERS

- | | |
|---------------|----------------|
| Marian Arnold | Edith Groshong |
| Ellen Burton | Will Marsh |
| Jack Clark | Bill Muessig |
| Tiny Davis | Ida May Norby |
| George Edens | Neva Satterlee |
| Barb Ekstrom | Dick Schmidt |
| Jane Grace | Jack Turley |

Ed Egan, photographer
 Gladys Ernstmeyer, typist
 Ken Walling, Printer

TEKTRONIX FEDERAL CREDIT UNION

Rare is the person who never needs to borrow or never has a dollar to save. Both borrowing and saving have natural places in the financial affairs of all of us.

Out of the need for convenient means of saving and borrowing, the credit union movement was born. Most credit unions exist among employee groups but may be formed among any group with some common bond. In Oregon alone there are 75 credit unions.

TFCU, which stands for Tektronix Federal Credit Union, was organized for the purpose of promoting thrift among Tektronix employees. It is your credit union and its only mission is to serve you.

Very briefly, TFCU began with an employee's suggestion. Response to a poll by our personnel committee indicated such a high degree of interest in all departments that they immediately appointed a credit union organizing committee. Mr. Wright of the Bureau of Federal Credit Unions was called upon for assistance. He did a good job, for before he departed he had the seven required signatures on the charter application and Logan's \$25 as a token of our sincerity.

Upon receipt of the charter an organizational meeting was held at which time the directors and committee members were elected. At the subsequent meeting of these elected representatives the directors elected officers, and the credit and supervisory committees each chose a chairman and a secretary. On the board of directors are President, DON CALNON, Vice-president, KEN WALLING, Treasurer, SCOTTY

PYLE, Secretary, MYRT KIDD, and GEORGE EDENS. The credit committee consists of Chairman, BOB STRUTZ, Secretary, TINY DAVIS, and KEN JACOBSEN. The supervisory committee is made up of Chairman, LOGAN BELLEVILLE, Secretary, JOHN MATTHEWS, and Accountant, BOB LEIPZIG.

Evidence of TFCU's ready acceptance by Tektronix is its 100 members, \$4000 invested capital, and \$5000 loan business. Savings by payroll deduction amount to \$1000 per month.

Several advantages of using your Credit Union include saving systematically by payroll deduction, dividends on your savings according to earnings, loan protection insurance which pays off the loan if the borrower dies or is permanently disabled, ease of obtaining a loan when you need it, savings on loan charges which are substantially less than commercial institutions, and the confidence of dealing with friends who know your problems. Your money is safe in the Credit Union. It is protected by supervision of the Supervisory Committee, periodic audit by the Bureau of Federal Credit Unions, judgment of the Credit Committee, and loan protection insurance.

Your Credit Union wants to serve each member to the best of its ability. To do this a larger capital investment is necessary. More lump sum deposits could be used immediately as it has been necessary to borrow from another credit union to meet the many loan applications.

Suggestions for improving credit union service are genuinely appreciated.

* * * *

Welcome to the following three new employees: ROBERT WHITE, Shop, FLOYD STEWART, Shipping, and HENRY SCOTT, Stock.

DALE HOLIDAY has been transferred from Shipping to Shop.

* * * *

Tektronix is proud of its safety record but an additional precaution is being taken to make our plant an even safer place in which to work. We now have a trained safety advisory committee for each shift. The Day Shift committee consists of the following: ROGER CARTER, EVELYN JOHNSON, GLADYS KOCH, JOHN KOBBE, LUCILLE OVERLAND, DON PRATT, and DOUG PROUTY. On the Swing Shift are KAY BARTMESS, CARL HELMER, OTTO SORENSON, BOB STRUTZ, NEPPIE SWANSON, and HELEN THOME.

The responsibility of the committee is to review in their monthly meetings the company's accident records and to work for the correction of unsafe practices, lighting, equipment, floors, machines, etc.



NIBBLER'S NOOK

At nine o'clock each day, and again at two, the seismographs at New York and Los Angeles register a slight tremor centered near Portland; this is coffee time at Tektronix. Since the dim, early days of the Company, the policy of the full Joe-pot has been maintained; a gourd-full of coffee provides new boost and bounce when spirits sag and footsteps lag, besides setting up a convivial atmosphere.

At first it was a relatively simple matter to brew a bucket of "mud" for a handful of people. The coffee requirements increased, however, in direct proportion to the growing popularity of Tektronix oscilloscopes; by the time we moved to the new plant a professional coffeemeister was necessary, and Mrs. Brown was hired to oversee the Nibblers Nook.

Mrs. Vivian Brown is second on the Tektronix list of mothers; she has five children. Twice widowed, Mrs. Brown notes proudly that both husbands were veterans of World War I, one son is a veteran of World War II, and one son is now serving in Korea. Two of her children are still at home.

"People like to tell me their troubles", says Mrs. Brown, "perhaps because of my white hair". Most of us know that her warm friendliness and sense of humor engender this confidence.

Mrs. Brown's official duties include maintaining a large stock of candy, providing a sandwich service, and conducting the coffee rituals. This latter chore requires, besides considerable skill, a measure of statesmanship. It is difficult to keep everyone happy; one guy may delight in tongue-tanning decoctions, while the next insists on a thin, innocuous formula that wouldn't stimulate an anemic amoeba. For the benefit of those who have occasion to

complain, we list the particular precautions to promise a potable potful. The urn itself is lined with Pyrex glass and is carefully cleaned every working morning. Coffee is made fresh four times each day; at 9, 12, 2, and 4 o'clock.



The drip process is used; contrary to opinion from some quarters, the grounds are used but once. Two brews are available for the irreconcilables, labelled "mild" and "as usual". Mrs. Brown uses a rigid formula so that "as usual" is always half again as strong as "mild".

Well known to old Tektronixites, but mildly astonishing to visitors, is the popular free coffee policy. Other items are charged for at prices which are supposed to (but don't) cover the cost of operation. Partial operational statistics reveal that we consume nine pounds of coffee, 22 dozen pieces of pastry, and seven 3-pound cans of soup per day. The soup variety changes every day, and toward noon people can be heard encouraging gastric activity by asking "What's the soup for today?"

* * * *

GORDON SLOAT spent the second week of last year's vacation from March 10-14. The Sloat's journeyed to Mercer Island for the christening of their granddaughter. During the rest of the "vacation" Gordon worked on his new house.

RUBY EVANS wanting to know what snipe hunting is all about---is there anyone with a bag to volunteer to take her?

CHARL BAIL anxious to work days. Could the reason work days in Purchasing?

BRUCE ADAMS' (Transformer) car and another had a disagreement early Monday morning, March 17, and Bruce's car was damaged considerably on the right side. The accident, at Broadway and Jefferson streets, occurred while driving to work. Neither Bruce nor his passenger, OLIVE BALL (Coils), was injured.

514 Swing is "shifting" to days. DICK MONTAG, CASEY WOMACK, LORRAINE MURPHY, and FLORENCE BROWN have crowded in so far.

BOB JOHNSON bought a 1949 tudor deluxe Ford. DARLENE ADAMS purchased a 1947 Plymouth club coupe.

* * * *

Work is better than play---to those who love it.

PURCHASING DEPT.

Have you ever wondered what goes on in that little glass enclosed cage in front of assembly? In case you are confused by the tapping of typewriters and the clatter of calculators, it is only the purchasing staff going through their mumbo-jumbo in procuring material.

The following is the latest news in connection with the individuals on the "Good Ship Purchasing".

Heading the department, along with his other duties as Production coordinator, is **BOB DAVIS**. Bob has been with the Company for five years, and is largely responsible for Tektronix' fine production record. The usual procedure in locating Bob is to ask, "Has anyone heard Davis?"



L to R: D. Tollisen, B. Randall, and B. Davis

Before Tektronix was lucky enough to get **MYRT KIDD**'s services she was employed in the offices of Meier and Frank. Myrt is the gal who keeps the typewriter working overtime and the rumor has it she leads the pack in typewriter ribbon requisitions. Sorry fellows, but that young man who claims all of Myrt's time (when she isn't working) happens to be her husband. Good work, DEANE.

BEA RANDALL is the newest addition to Purchasing. Helping **KEN WALLING** in the Printing Department is only one of the many duties of this gal. Bea came to Purchasing from the Cable Department, and if you see sly smiles from the Purchasing crew, it is only because Purchasing's gain is the Cable Department's loss. Bea's smile and easy going personality have helped her to win many friends at Tektronix even though she has been here only a few months.

GENE CAVANAUGH arrived in Purchasing about three months ago, and from the cries of anguish issuing from the Shipping Department, they still haven't recovered from their loss.

It is up to Gene to help keep the records in shape, and from the great job he has been doing, we are looking for big things from Gene.



L to R: M. Kidd, G. Cavanaugh, and J. Grace

DICK TOLLISEN, whose duties consist of buying and expediting, is only one of the many who can claim Oregon State as his Alma Mater. Dick's ready smile and ability to get things done have gone a long way in making a tough job look easy. Dick's one aim in life, besides getting married, is to bowl a 900 series.

JANE GRACE started working in sub-assembly in September, 1950 and transferred to Purchasing about a year ago. Her job is buying and expediting. Jane graduated from the University of Oregon in 1949. Golf is high on Jane's list of hobbies. She also likes bowling and swimming.

* * * *

Another First Aid Class was organized, and instructions were started on March 17. The following people are included in this second group to receive training at Tektronix:

MAXINE CALVERT, DON CLIFFORD, HAROLD EDMUNDSON, HENRY FRITZLER, JOE GAYTON, RON HANKINS, CHARLES JAY, IDA MAY NORBY, KAY PROBSTFIELD, MOLLIE ROBBINS, PIUS SCHERR, HELENE SCHMITT, DICK SCHMIDT, and ARCHIE YERGEN.

* * * *

A new transformer winding machine was recently completed and put into use in the Transformer Department. The machine features a direct current motor to maintain constant torque. The d.c. is obtained by a selenium rectifier power supply, and speed is varied by a foot control in conjunction with a tapped auto-transformer. The equipment was designed by **GORDON SLOAT**, and most of the construction was done by **DON TWEEDIE**.

TEKTRONIX TWOSOMES

Since the beginning of this series, two more names, CRAWFORD and EGAN, have been added to the list of happily married Tektronix employed couples. Their stories will come later. This time we introduce GEORGE and RUBY MILLER.



GEORGE MILLER brought RUBY to the United States from Australia as his war bride in March 1946. George met Ruby while he served in the Army Ordnance in her country. They have a seven year old son, Paul, and a four year old daughter, Susan.

Ruby is one of the hard working Cable girls, and George finals in the 513 Group.

Their hobby, they say, is their family and their home in Corbett, where the tall timber used to grow.

George came to the plant in January 1951, and Ruby joined us in April 1951.

* * * *

BONNETS AND BOOTEES

CAL SMITH is out to set a new production record with the birth of his fourth, Susan Marie, February 20, 1952. Two more boys would even up the score.

Romaine and KEN WALLING are the parents of a daughter, Susan Marie, born at Emmanuel Hospital, March 8. The baby weighed 8 lb. 14 oz.

Virginia and BOB JOHNSON are the proud parents of a 7 lb. 14 1/2 oz. boy. John Earl, their first, was born March 9.

Barbara and JACK HENDERSON announced the arrival of a girl, Nancy Lou, on March 12. Jack says there isn't anything to it, even if you have to pace the floor for 14 hours.

* * * *

We hear the distant murmur of wedding bells for GLORIA POOLE and DICK MONTAG. She is sporting a diamond and the date is set for July 5, followed by a honeymoon at Yellowstone.

OH HAPPY LEAP YEAR



Gather 'round and lend an ear, girls, to the story of "How to Take Advantage of the Stronger Sex" or "This is a Good Way to Get Your Man".

LAVERNE BALLANTYNE tried being coy, then she crashed her way into the hospital. All this only brought him to her side, but not on his knees stammering out the big question. Drastic steps must now be taken, thought this fair damsel. Sooo...the next time she had him in her car she proceeded to get stuck in a snow bank.....for eight hours. Oh, cruel Fate, the poor man was frozen stiff. All he could do was nod yes. Miraculously, the road was cleared, and off to Reno they went. There, bless their little beating hearts, they were wed...March 8th. Then Mr. and Mrs. Martin "Dutch" Baim went on for a weekend honeymoon. May you have many happy years together, LaVerne and Dutch.

So all you single girls, this is only one way to "Get Your Man". Anymore suggestions?

* * * *



GENE BRINK and GEORGE SCOTT trying to catch a mouse to tame for a pet...GENE ZIRSCHKY's air express service to those working around him....MARSHALL JACKSON getting oiled making Power supplies...JOYCE NEILAND learning to embroider, having trouble with her French knots....NORMA CAUFIELD developing an allergy to the number "150"...BILL WEBBER moving desks again...PAT CARSON wanting her vacation during elk hunting season.....CHRIS LARSEN, MARGARET CLYMENS, and CLARA KNOX rushing madly to the hospital to beat the stork....

* * * *

FOR SALE: Like-new baby buggy with mattress \$30.00. Original cost \$50.00. See ARLENE HOLMAN or VERSA DEITZ, 514.
FOR SALE: Clothes line poles and five wire lines. Brown wool rug, 9 x 15 ft. See BLANCHE COOK.

Cont'd from page 1

In 1939 the 67th Avenue location became too small for Jack's operation. As a result he bought a building at 59th and Foster. After remodeling and painting, this became one of the most complete and attractive appliance stores in the city. The main feature was a G. E. model kitchen, complete with everything necessary to cook and serve meals.

Just as things got going in good style World War II broke out. Appliance manufacture stopped and Jack closed up the appliance business to join the Coast Guard. His knowledge of radio was immediately put to use. First assignment was at the Seattle maintenance base. After a year of this duty, Jack came back to Portland, in charge of a group of radio technicians. His last assignment was as radar and racon installation man, operating out of Seattle.

This Coast Guard service also proved to be important to the formation of Tektronix. It was there Jack met and became friends with MILES TIPPERY, MILT BAVE, BOB DAVIS, KEN WALLING, HOWARD GAULT, PAUL BELLES, SANDY SANFORD, and CHUCK GASSER.

When Tektronix was formed in 1946, the first operation of the new company was in Jack's building at 59th and Foster. As Tektronix grew in size, Jack's problems as Secretary-Treasurer and General Manager grew even faster, but his ready willingness to examine all sides of problems and make rational rather than emotional decisions is in a large measure responsible for the success Tektronix has achieved.

In an effort to understand human behavior, Jack has taken and continues to take a number of courses in psychology and allied subjects. In 1950 he attended a symposium on Job Evaluation at Western Reserve University, Cleveland, Ohio. This was led by some of the most important men in the field of industrial psychology.

In the last few weeks Jack journeyed to Seattle to take part in a panel discussion on Employee Communication. Besides Jack, the panel consisted of the president of Boeing Airplane, the personnel manager of Pillsbury Mills and the general manager of Hyster. The invitation to do this is a result of the reputation Jack has attained from his work in the Personnel Committee of the Chamber of Commerce. He was recently made chairman of that important committee.

As many of you know, Jack is never too busy to take in the sessions of the Portland Figure Skating Club. It was largely through his efforts that the past successful season of skating was made possible. As a result of this fine work, he

was recently elected club president on a nomination from the floor and in opposition to the candidate presented by the nominating committee. We all realize Jack is not outwardly demonstrative in nature, so his enthusiasm for ice skating and the Portland Figure Skating Club certainly indicates his high interest.

In addition to skating, his interests are skiing, hiking (including two trips to the top of Mount Hood), flying and photography. A Leica camera Howard bought for him in New York recently will help retain memories and enliven his descriptions of outdoor recreation.

Jack lives with his mother and grandmother on 56th Avenue near Hawthorne. During the past few years he has completed very successful redecorating and remodeling projects on the house. One result of these projects is a very attractive mahogany paneled study where he can get away from it all "when desired".

In characterizing Jack, we can say he gains the respect and admiration of all who know him by his quiet, sincere and genuine interest in arriving at the most fair, reasonable and considerate solution to an individual's and to Tektronix' problems.

Jack's personal philosophy is of interest to all. He believes that success is available to anyone with ability, initiative, and a willingness to risk personal security. The growth of his own successful appliance business and that of Tektronix is definite proof that Jack "Practices what he preaches".

* * * *

MILES TIPPERY observed the recent blessed event in his family by going through the plant one day shortly after, pushing a cart loaded with candy bars and carrying a card proclaiming the new arrival.

While making his sweets-dispensing rounds in the Shop during swing shift he ran afoul of JACK TATE, who helps to keep those chassis shovin' through. Jack didn't notice the legend on Miles' cart, and thinking it was a new gimmick, like a travelling branch office of the snack bar, he threw rudder hard over to starboard and veered off to avoid a collision that might spring some plates in his pocket-book.

Jack has been brooding ever since over missing something free, and he says Miles is to be congratulated on two counts: the new boss in the family--and saving the two candy bars that Jack would have asked for if he had waited to find out that they were on the House of Tippery.

* * * *

Congratulations to the 513 Gang who made their goal of 85 scopes for March.

TEK TALK



VOL. 1 NO. 7

MAY, 1952

TEK TALK 1 YEAR OLD

One year ago, in May 1951, Vol. 1, No. 1 of the publication that was to become Tek Talk appeared.

A plant paper had been considered for some time previous to this first release. It appeared that a paper would be an effective medium for bringing Tektronix employees closer together besides being a logical method of disseminating information of general interest.



HOW ABOUT THAT ARTICLE YOU PROMISED US FOR THE FIRST EDITION ?!!!

As everyone must realize, the difference between an idea and an accomplishment may be measured in tears, toil and tribulation; this may be witnessed by Kit Vollum and Eleanor Lofton, who edited the first edition. A short history of Tektronix was written by JACK MURDOCK for the first page. DAL presented a report of our exhibit at the I.R.E. show in New York, and BILL WEBBER noted the transactions of the Employees Committee

Cont'd on page 8

524 NEAR PRODUCTION

The Tektronix Type 524-D oscilloscope is headed for production. You heard about its being displayed at the trade show in New York, and from now on, you will hear discussions about its production. At the present, plans are for the first production runs to begin in July. Our customers will be looking for some of their units during the third quarter of this year. They are priced at \$1180.00.

The 524-D is specially designed for television work. It will be used in TV transmitters to check all video waveforms and studio equipment. With the release of the television freeze, new TV stations will be making their appearance all over the country. These, along with present TV stations, provide a large market for our 524-D.

Since this instrument is specialized, it should make a hit with the industry. For instance we demonstrated it to RCA who is one of the largest television transmitter manufacturers and one of our best customers. They are thinking of including one or two of our 524-D's as essential accessories supplied with each transmitter which they put into operation. The future of the 524-D looks excellent so you will be hearing more about it.

SCOPE CLASS STARTS

If you hear JURI KAUK and BOB COGAN discussing bandwidth problems (excuse me, HOWARD, "rise-time") of an oscilloscope amplifier, don't be surprised. They're members of the newly organized Scope Class. The class is the result of many people expressing a desire to design and build an instrument for personal use.

MILES TIPPERY, who started a survey of the interest for such a class, found that more people wanted to join the class than could be accommodated at one time. As a result, a second class has been scheduled at a later date.

The following committee members are planning the details for the class: JURI KAUK,

Cont'd on page 8



VOL. 1 NO. 7

MAY, 1952

EDITOR Blanche Cook

CONTRIBUTING REPORTERS

Marian Arnold	Bill Muessig
LaVerne Baim	Jack Neff
Vern Bartlett	Ida May Norby
Lois Campbell	Jean O'Brien
Jack Clark	Scotty Pyle
Edith Groshong	Dorothy Reeves
Will Marsh	Neva Satterlee
Dick Montag	Dick Schmidt
Earl Scott	

Ed Egan, photographer
Ken Walling, printer

TRANSFERRED TO BALTIMORE TERRITORY



The cheerful grin of FRANCIS FROST has been missing from Tektronix since April 15, when the entire family Frost took easterly flight. At Detroit, Michigan they will pick up a new car and continue eastward to Baltimore, where Francis will help ED BAUDER cover the fertile Baltimore territory in the exciting job of dispensing the Tektronix friendly atmosphere and discussing Tektronix instruments.

Francis was born in Portland, and after an appropriate length of time attended Benson Polytechnic high school. For several years before the war he worked for JACK MURDOCK, repairing radios. He served in the Navy from 1942 until 1945 when he was honorably discharged as a Chief Radio Technician. It is interesting to note that while in uniform it was with considerable difficulty that he managed to resist the overtures of many beautiful women,

that is, until after he left the service.

Francis had his own repair shop for a few years, after which he served as broadcast engineer for KEX and then KGW. In September 1949 he joined Tektronix and since then has been a bulwark of the Test and Calibration Department besides offering valuable assistance to the Engineering Department from time to time.

When requirements recently arose for a man with technical ability, personality, and enthusiasm, the searching finger of Sales pointed at Francis. At first he looked around to see who was in back of him, then after lifting his eyebrows in a "who, me?", he capitulated and began selling off the tons of radio junk that collects around any radio man like weeds in a posy patch. There were undoubtedly some difficult moments with his pretty wife, Margaret when a choice had to be made whether to discard an old colonial tube tester or discard an occasional chair with a hand-buffed seat. Even seven-year old Nancy Jo made a sacrifice; she magnanimously awarded JACK MURDOCK one of her twenty dolls.

Francis will really be missed in the plant, but the many friends he will make for us in the field will well account for his absence.

* * *

Anyone who has missed GEORGE EDENS is advised to look around the Sales Department. There George will turn his interest from amplifier response to customer response.

ALICE WYNN is trying out her hand in taking over BOB LIVINGSTON'S job of finaling. Bob has gone to the stock room. Good luck to you both.

LEONARD MASON is in charge of the new 524. So far he is going along fine on his one-man venture.

* * *

BOB DAVIS joined the Tektronix staff in July 1948 and will be celebrating the completion of his fourth year here instead of his fifth year as stated in the last issue of Tek Talk.

* * *

Five more people have joined our list of employees during the past month. They are GENEVA KOBBE, Office, LILLIAN WALKER and JUNE GAGE, Cables, ARTHUR ENRIGHT, GEORGE EVELSIZER and DON KEPLER, temporarily in Assembly.

* * *

CLAIR KIDD, 511 and 514 swing, GEORGE SCOTT, 512 and Special day, JACK TATE, Shop swing, and ALDEAN FEITUSH, Transformer day were recently elected representatives of their groups. They succeed KAY BARKER, ROSE AVERY, BURT EBERLY, and MIKE PARK, respectively.

FIELD MAINTENANCE



WILL MARSH, genial front-office Field Maintenance Engineer, came to Tektronix in September 1950 via Test, from the U. S. Forest Service Radio Lab. An emigrant from the land of Philco and RCA, Will got his engineering education at University of Alabama, spent three years in the airplane Navy toying with guided missiles, where, in addition to engineering duties of various sorts, he attained a notable standing in military circles as a Hangar Officer (let's have a clean sweep, men). Eventually he found a comfortable chair at Naval Bureau of Aeronautics in Washington, but was forced back into civilian life by the termination of the war. Will is not an active reservist.

Will heard of the West while in the Navy. After becoming part owner of a mine (small, gold or something) in Nevada, he joined the F.C.C. and a Wave ensign of his acquaintance in Twin Falls, Idaho, transferred to the Forest Service in Portland, and became the father of Betsy, now three years old. He commutes daily to his farm in the shadow of Mt. Hood, 25 miles from Tektronix.

Will is a consistent contributor to the paper. He wrote the stories about **JACK DAY**, **DAL**, **MARJ DRAIN**, **MRS. BROWN** in the Nibbler's Nook, **EARL SCOTT**, **MARIAN ARNOLD**, **BOB POULIN**, and **FRANCIS FROST**. He is also responsible for the following article.

* * *

A vital, as well as decorative factor in the Tektronix Field Maintenance program, is chic, fun-loving **MARY SOPER**, complete with beautiful brown eyes. That liquid voice asking for information in the stockroom squawk-box is Mary taking the first steps in helping some distant customer repair his scope. Waving packing slips like a battle banner, she tracks down replacement parts in jig time. Influencing the shipping boys with that well-known smile, she has the package in flight before the

customer goes home to dinner.

Mary is a native of Portland and a graduate of the High School of Commerce. Before coming to Tektronix she worked in an insurance office.

Currently there are two men in Mary's life. One is a fortunate fellow named Sam, whom she married some time ago, and the other is two-year old Roddy, who apparently gets most of her attention. Besides them, Mary likes ice skating, photography and ceramics. In case you gals would like to know how she comes by the nice clothes, well, she makes them with her own carbon-smudged little fingers. She's cute, too.

* * *



BUCK MURPHY had always wondered why his head sometimes felt as if a waveform were roving around. One day "Doc" **ED EGAN** took a photograph of Buck as he was diligently checking out a 511. The above photograph is the result. Little did Buck realize that a waveform was actually floating around in his brain. Several other doctors have examined Buck's head, but they could not find anything.

Maybe this phenomenon could be classified as one of the "Seven Wonders of Tektronix". The Test Personnel are keeping one eye on Buck, feeling that his situation may be contagious. Don't be alarmed if Buck's head begins to move around, because it is only the little "green worm" doing its tricks.

* * *

TROUT DERBY

Hurry, hurry, hurry. Come on guys and gals. Let's get going on the Trout Derby. It started April 19 and lasts until October 12 and only costs \$1 per person. Remember it was a girl who won it last year.

ETCHING DEPARTMENT

The little group of men blowing pipe and cigarette smoke in an upward direction in the etching department April 7 were not trying to smoke the bees out of the vent pipe but were testing out the circulation in the new hood and exhaust system installed that day.

Yes, the etching department is proud to announce the acquisition of a new stainless steel hood over the caustic and acid baths.

Designed by MEL LOFTON, the hood has a top vent which extends through the wall into the quonset hut where a large blower has been installed. Above this is a venturi system inside the vertical duct. This system creates a reduced air pressure inside the hood, causing a circulation which draws the caustic and acid fumes out of the shop and then up through the roof.



Attached to the hood is another one to be used for drawing off fumes from muriatic acid used in soldering brass chassis and transformer cans.

Mel Lofton conducted experiments with a scale model of the hood before the go-ahead was given for the final construction and the result is an efficient exhaust system for the pungent fumes in this department. The etching process is interesting in that it is a unique chemical action. When aluminum is immersed in the caustic soda-hot water bath a violently boiling action takes place. This continues as long as the aluminum remains in the bath and cleans the surface, leaving a finish from a silvery appearance to snow white according to the length of time left in the bath.

When you pour drain pipe cleaner down your sink drain you are actually duplicating the etching practice. Aluminum filings and caustic soda boil away the grease in the pipes.

The caustic bath, besides cleaning, will reduce the thickness of aluminum, and, if left indefinitely the metal would dissolve completely, as it is soluble in caustics.

After this bath the aluminum is rinsed in hot water, then placed in a bath of nitric acid which neutralizes the caustic action and clears the residue brought to the surface during the etch process. This residue comes from copper, manganese and other alloys from which aluminum is made.

From here the part is washed in clear hot water, dried and sent to the paint department where clear lacquer is applied to prevent stains and smudging from finger prints, grease and so forth.

The etching process is just one more detail which helps make our scopes the outstanding instruments they are today.

RON WOLD, who is now holding down the swing shift etch operation, is the proud owner of a new baby boy and a 1950 Hudson limousine.

He has more family, too, including his wife and two more boys, aged four and two-and-one-half.

Ron was born in Norway and came with his parents to Tacoma, Washington, then to Portland. He now has his own home in Marlene Village, near Tektronix. Since coming to work September 10, 1951 he has done numerous jobs in the shop.

Ron's hobbies are fishing and home-making. He is always making something for his house or yard. He is also attending Multnomah College learning accounting.



Equally busy is VERN BARTLETT, day shift. He spends his "spare" time with music, playing in Jay Howard's orchestra, writing dance arrangements, having fun with magic, building lots of his own equipment, being an assistant Cub Scoutmaster and wondering how to operate an acre and a half without a garden

tractor. He also has a photo finishing plant at home in which he does finishing by mail.

When he is not doing anything else Vern etches for Tektronix. He says etching is just like photofinishing except you can see what you are doing, and it's not nearly so disgusting. September 10, 1951 was his starting day at Tektronix.

WELDERS

The Welding Department, located in the shop, is one of the key departments in the plant; for it is in this section that weld fabrication is applied to mounting frames, cabinets, chassis, shield rings and other parts. In this section, too, clamps and other small items are spot-welded.

The welding department is well equipped to handle any welding job that might arise in the plant. There is acetylene welding equipment for use in silver soldering, brazing, annealing, etc. A special welding machine is used for bandsaw blade repairing, and there is another special machine for spot-welding shields, brackets and rings.

Tektronix was one of the first manufacturing plants on the West Coast to use the "Heliarc" process on welding aluminum. Basically, "Heliarc" differs from conventional arc welding by using an inert gas instead of a flux. The gas provides an atmospheric barrier around the weld "puddle" and prevents oxidation and other contamination from the surrounding air while the welding is in process.

The argon gas and water are supplied to the torch holding the electrode through flexible tubes. In "Heliarc" welding, the power leads that heat the tungsten electrode to 2200 degrees for aluminum welding are water cooled by being incased in a vinalite tubing filled with circulating water.

The cost of refilling an argon gas tank is around \$30 and a tankfull is used about every two to three 8-hour shifts. Four or five tanks are kept on hand all the time.

Jigs are used for accurate welding and an average of forty cabinets can be welded on one shift when using two welding machines on them.

The arc flare in welding creates a sunburn blister on exposed skin so a full face-protecting hood must be used.

According to VIRGIL HALL, oldest welder with Tektronix in point of employment, a fine spirit of cooperation exists between the four welders on day and swing shifts. Virgil, now working swing shift, did carpenter work for several contractors for four years before

joining Tektronix in June, 1949. Virgil is married, lives in Lents, and his hobbies are woodworking and fishing. He recalls that in 1949 when he started with us, 57 people were employed compared to approximately 320 now, and the average monthly production of scopes then was 75 to 100 in comparison with around 400 per month now.

AL BRIGGS, welding on day shift, has been with us since September, 1949. Prior to that he was in Alaska doing welding repairs on gold dredges. Al says ten to fifteen welders were kept busy around the clock keeping the buckets and flumes of the dredges in repair. Al is married and has three girls and a boy. His hobbies are gardening and heavy carpenter work, and Al means heavy. Moving a wall or raising a porch has Al right in his glory.



L to R: S. Hughes, J. Gayton, V. Hall, A. Briggs

STEVE HUGHES, our other welder on swing, came to Tektronix in October 1951. He formerly worked for Portland Wire and Iron Company. Steve is married and has two boys, six and eight, and a girl, fourteen, who is a student in Gresham High. The Hughes' home is near Gresham where Steve has about three acres devoted to the raising of Filberts. His hobbies are farming and photography; and one of his prize possessions is a black Angus yearling named "Snowball".

JOE GAYTON, who welds now on day shift, started with Tektronix in July 1951, after working about a year and a half with the Fowler Manufacturing Company. He also welded for Caterpillar Tractor in Peoria, Illinois, for almost two years. Joe is married and has three children, a girl eight and a boy and a girl who are six year old twins. His hobbies are woodworking and all kinds of sports, including bowling and basketball in which he takes a keen interest when time permits.

TEKTRONIX TWOSOMES



JEAN and FRANK KOPRA lead a very busy life with their three boys....Buddy, four and a half years, Billy, two and a half years, and Dick, one and a half years old.

Jean drives to work in the morning and leaves Frank home with the youngsters. Frank comes to work on the swing shift and Jean takes over at home.

Jean has been with Tektronix since June 1951, and wires on 513 video chassis. Frank works in Test, and he came to work in May 1951.

Frank is a radio ham, now inactive, and Jean says, "Who has time for hobbies with three little boys like ours".

They are renting a house near Beaverton so they can be near the plant. They moved from Vancouver when they decided the distance was too great for each of them to drive to work on different shifts.

* * * BONNETS AND BOOTEES

Mr. and Mrs. RON WOLD are the proud parents of a baby boy, Neil David. Neil was born March 25 and weighed 8 lbs. 9 oz.

Kay and GEORGE EDENS announced the arrival of a boy, William Stephen, 9 lbs. 11 oz., on April 22.

At the moment of going to press, Virginia and BILL POLITTS report the arrival of their first child, a boy, 8 lbs. 13 oz., on April 29.

* * *
RAY GRECO, Transformer, was married Friday night, April 4, at Vancouver. Ray and Goldie had a church wedding and afterwards drove to the beach for a weekend honeymoon. Congratulations and best wishes to you.

* * *
ALDEAN FEITUSH, PHYLLIS GLYNN, DELLA FORTIN, JEAN PEARSON, and PAT CARSON have been missed at their benches because of illness.

160 IN PRODUCTION

In April, we started limited production on the Type 160 series consisting of a regulated power supply, pulse generator, and waveform generator. These units were developed by DICK ROPIEQUET in collaboration with Dr. Archie Tunturi and Dr. John Brookhart of the U. of O. Medical School and are primarily for use in studying the nervous system.

In a typical application, a voltage pulse from the 161 is used to stimulate a nerve in one part of the body of an animal and the response is picked up in another part of the body by a 512 oscilloscope and a 122 preamplifier. The 162 is used to establish the time interval between pulses as the nerves will not respond in a typical fashion without a certain period of rest between stimulations. This enables the observer to study responses obtained from a controlled pulse, nerve pathways, brain nerve centers, and time lag between stimulus and response.

We are being pressed to produce the 160 series sooner than planned due to the demand of the medical research centers throughout the United States.

BEAUTIFICATION

There has been lots of activity outside our plant lately -- things like rototilling, plumbing, and planting. The new landscaping makes a welcomed improvement in the outside appearance of Tektronix.

Rhododendrons were planted on the east side and camellias on the south. Azaleas are interspersed all around. On the south, there is a new lawn complete with an underground sprinkling system. The planting boxes are filled with a multitude of things such as andromeda, daphne, azaleas, and juniper.

Some of you may be interested to know that all of the rhododendrons and a good share of the camellias were obtained through the West Hills Nursery from the Charlie Vollum estate (Howard's and Larry's father). All of the planting and landscaping was done by the Cedar Mills Nursery.

* * *
The young lady eyed her escort with extreme disapproval. "That's the fourth time you've gone back for more punch, Albert," she said coldly. "Doesn't it embarrass you at all?"

"Why should it?" the young man shrugged. "I keep telling them I'm getting it for you."

WELCOME HOME, PEARL

Pearl has been found. Who is Pearl? Not Knit One's sister as **CLIFF MOULTON** would have it, but then Cliff who lives in a world of microseconds and capacitors can't be expected to know that Knit One's sister spells her name Purl. No, Pearl is the eraser who lives at the switchboard. Her full name is Pink Pearl, but we will just call her Pearl for convenience.

Pearl is not just an ordinary eraser, for on top of her erasing duties she has been found very dependable for carrying messages from one switchboard operator to the next and at times from the Engineering Department to the front office. In fact, she has become so famous for her accuracy in relaying messages that **HELENE SCHMITT** has had engraved in bold letters on her back 'DON'T USE THIS FOR AN ERASER'.

Legend had it that Pearl had once been lost but was found by an owl in an oyster. The veracity of this legend has not been determined but we do know that Pearl was recently lost. At first, little attention was paid to her disappearance for all good erasers have a right to slip under a typewriter now and then, or even to slide behind the switchboard just for recreation.....erasers can't ice skate, you know. However, it must be remembered, Pearl is not an ordinary eraser and Pearl was not found in an ordinary place.

Late one evening **BUD JONES** of the Shipping Department was going through all the necessary motions of shipping a scope to a Tektronix customer when he noticed a strange lump in the Instruction Manual. Close investigation revealed Pearl hiding among the schematics. Yes, Pearl has been found and returned to her rightful place at the switchboard...**WELCOME HOME, PEARL.**

P.S. For facts concerning Pearl's new companion, Pinky, see Helene.

CHATTER

BILL JOHNSON and **BURT EBERLY**, Shop swing, recently received their General Class Amateur Radio Licenses. They each plan to operate on 10 meter fone and 10 meter mobile. Bill's and Burt's call letters are respectively **W7QF** and **W7RKG**.

SAL VALLERIO commented that the girls in his department are so easy to get along with. The other day he found a piece of wire in the bottom of the chassis. On speaking to the girl about it, she replied "Oh, that just fell out, I guess".

CHATTER

One day recently **CHRIS LARSEN** was the lone witness to a lively little schottische featuring **HELENE SCHMITT** and **LOU WITTER** in the hall near the accounting office. It seems Lou came out of one door and Helene out of another; they confronted each other, stopped, Lou bowed and Helene curtsied, then they each took two steps to the left, then two to the right, then stopped, etc. They tired of this after a few minutes, since there was no music, but Chris thinks they will have a gold mine when television comes to Portland.

TIM KIRTLEY, Transformer, has returned from his travels with the men of Uncle Sam's Navy telling many colorful stories of his activities as a reservist aboard a Submarine. His group was assigned to operate with the fabulous "frogmen". Tim is still unable to account for a letter he supposedly wrote to his fiancée from San Diego. Do you suppose?

It has definitely been established that **CARL HELMER'S**, Transformer, car is a 1941 Ford. Speculation had it ranging from a live bait barge to a swamp buggy; all bets have been paid off since Carl persuaded his two daughters to wash his vehicle.

When the Naval Reservists toured the plant recently, **LOIS CAMPBELL** was surprised to discover that she had taught several of them in high school.

IRENE PARSON'S mother arrived from Scotland for a six month visit.

ED BAUDER, Baltimore, has a new dark red Nash Station Wagon that has a back seat that lifts up and folds down to make a nice little platform in the back. It will hold a scope-mobile, several scopes, and on occasion, the two littlest Bauders.

AGNES CLIFFORD, Coils, has been forced to eat lunch at the plant since she and hubby **DON**, Test, have moved further on down the highway to the Marlene Village District.

Congratulations to **BOB COGAN**, Transformer, for receiving only a warning from a Washington County patrolman. "How did I know they drove '50 Mercs.", says Bob. The following day a small boy on a tricycle passed Bob on the highway.

Several people have complained about **DICK TOLLISEN** singing as he wanders past the 511 Group. It disturbs their sleep. They request that he sing lullabys---softly.

Since **HAROLD EDMUNDSON'S** promotion he wants to be addressed "Yes Sir, Sir".

KENNY KING bears the title "Our Glorious Leader" in the 511 Group.

Cont'd from page 1

Meetings. HOWARD VOLLUM submitted the meaty but concise discussion which might have been titled: "What are engineers good for, anyhow?"

The cartoon was done by Eleanor and the Leroy lettering by Kit; they collaborated on the bits of spice and seasoning.



In anticipation of greatly increased lithograph requirements a new multilith machine had been purchased by Tektronix. The paper was the first material printed with the new equipment.

After a hiatus of several months, during which Tektronix removed itself to the new plant, and crawled out from under an enormous backlog of work, publication was resumed under the editorship of BLANCHE COOK who devotes approximately one week out of each month to this work. Twenty-two reporters volunteered to represent different groups in the plant. Some of the actual writing is done in the plant, but much of it is done at home. If you see someone duck out of sight as Blanche appears, that is a reporter who has missed the almost-dead line for Tek Talk. After the copy is turned in, it must be edited for errors and erudition, and often trimmed to fit allotted space. Every reporter knows the anguish of having a beautiful piece cruelly hacked and mutilated merely to fit space.

The selected material is typed on a special IBM machine, which allows the operator to present even margins. The copy, photographs and headlines are pasted together and sent to town to be photographed on the special mats with which KENNY WALLING and BILL CAUSGROVE load the Multilith Machine. From here on out the machine does most of the work, in spite of what Kenny and Bill may say.

Since our major objective is to make people better acquainted with each other, groups of employees will continue to be presented

Cont'd next column

each month in personality sketches. Semi-technical discussions of operations and processes will be offered from time to time also as regular planned features. News items of interest will, of course, be printed as they occur.

* * *

SCOPE CLASS STARTS

Cont'd from page 1

JOHN MATTHEWS, SCOTTY PYLE, JOHN KOBBE and MILES TIPPERY.

The members of the first class will have the responsibility of proposing an instrument, selecting a suitable design, and guiding the instrument from the bread-board stage to the completed model.

LOGAN BELLEVILLE and HOWARD VOLLUM offered their past experience on scope designs by sitting in on the first two sessions and explaining the advantages of such things as direct coupling and slow sweeps, and disadvantages of trying to make too elaborate an instrument.

It was agreed that the vertical amplifier should be first design consideration, so class members are busy reading up on video amplifier design. Each section will be taken up in turn, and when all problems are solved and the design can be frozen, production will begin. The last step is expected to be the easiest part of the job.

* * *

SMILE

When you give a smile, you give something that is priceless yet costs nothing. Nobody can buy, beg, borrow, or steal your smile, because it is of no value unless you give it away in friendly greeting.

A smile takes but a moment, but its effects sometimes last forever. A smile creates happiness among friends, brings sunshine to the sad, and promotes valuable good will in business.

You don't feel like smiling? Then force yourself to smile. Whistle, hum a tune or sing softly--act as if you were already happy, and the smile will come. A happy smile comes from happy thoughts, not outward conditions.

It isn't what you are or where you are or what you are doing that makes you happy or unhappy--it's what you think about it. You'll find just as many happy faces among Chinese coolies sweating in the rice paddies for ten cents a day as you will among any similar-size group of business presidents in this country.

Smile!

* * *

No one has ever yet climbed the ladder of success with his hands in his pockets.

TEK TALK



VOL. I NO. 8

JUNE, 1952

ROAD SHOW HELD IN SOUTHWEST

By SANDY SANFORD

In the Spring and Fall, our distributor Neely Enterprises (California, Nevada, New Mexico, and Arizona), produces a traveling instrument exhibit known as the "Road Show". These Road Shows are mutually valuable for both Neely Enterprises and Tektronix. Neely personnel plan and organize the complete trip, making all arrangements for the display of Tektronix instruments plus instruments and equipment of the other manufacturers whom they represent.

This Spring, the Road Show lasted from April 22 to May 6 and involved a safari of five station wagons and commercial vehicles. About \$50,000 worth of laboratory test equipment was carried, with one entire 3/4-ton pick-up required for just the Tektronix instruments.

The Road Show exhibited at the following cities: Fresno (State College); Sacramento (California State Offices, McClellan Field, Bendix); Berkeley (U. of Calif. Radiation Lab., U. of C. Physics Dept., Mare Island Navy Yard); San Francisco (California Research and Development, San Francisco Naval Shipyard, U. S.N. Radiological Lab.); Palo Alto (Stanford, Stanford Research Institute, NACA Moffett Field, United Air Lines); Santa Barbara (Camp San Luis Obispo); Point Mugu (Naval Air Missile Test Center); Inyokern (Naval Ordnance Test Station); Corona (National Bureau of Standards); and Los Angeles (Army, Navy, AEC, Public Utilities, Educational Institutions, all major aircraft companies, City, County, and State Agencies).

In order to show you what we did, let's consider the exhibit at the National Bureau of Standards, Corona, Calif., on May 2. Since the NBS Laboratory is just beginning to function, this was the first Neely exhibit at this activity. Neely personnel had things exceptionally well arranged for the exhibit, displayed in a large

Cont'd on p. 8

TEKTRONIX BLOOD BANK

By BILL WEBBER

Donations at the Red Cross Blood Center have all been credited to the TEKTRONIX ACCOUNT. Since this program isn't understood too well perhaps an explanation would serve to answer your questions.

The Red Cross Blood Center is financed and staffed by the American Red Cross. Blood is accepted from donors only after very careful testing and checking seems to indicate the donation would in no way injure or jeopardize the donor's health. After receipt, the blood is processed in a laboratory, stored and then distributed. Distribution is made by Red Cross to local hospitals for immediate civilian needs and to the Armed Forces for military needs. During the so-called Korean Emergency, "elements of Harry's Police Force" have received, during some months, as much as two-thirds of all blood donated in Portland.

There can be no charge for Red Cross blood used in transfusions in hospitals. It is received by the Red Cross through voluntary donations and therefore cannot be sold nor can any hospital, receiving it free, later sell it. A hospital can, however, make a small service charge for handling and storing the blood. This service charge may amount to about \$5.00. There are two Portland hospitals, Emanuel and Good Samaritan, who still have their own blood banks by purchasing blood from professional donors. These hospitals also handle Red Cross blood which they cannot sell. They are also cooperative if a transfusion is required and they sell blood from their own bank, as they later permit replacement through Red Cross and would probably refund price of blood they sold.

Tektronix Employees when donating blood at the Blood Center should mention they are in the Tektronix Group. If any employee or their dependents need blood, they should ask the hospital to give them Red Cross blood and mention the Tektronix Account with Red Cross.

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EDITOR Blanche Cook

CONTRIBUTING REPORTERS

Marian Arnold	Bill Muessig
Bill Barnes	Ida May Norby
Ellen Burton	Scotty Pyle
Jack Clark	Dorothy Reeves
Eleanor Cutler	Mollie Robbins
Will Marsh	Dick Schmidt
Arlene Martin	Lou Thomas
Dick Montag	

Ed Egan, photographer

TEKTRONIX TWOSOMES



BETTY and RUDY GLASNAPP are a Tektronix Twosome that seldom has the male half visible. Rudy is the janitor who works graveyard shift, and he has the plant pretty well to himself. He gets home in time to drive Betty to work on the day shift.

Betty is the very little, very black haired girl who works on sub-assembly in the 511 Group. She came to work in December, 1951.

Rudy has been cleaning up swing shift clutter since last summer. This is quite a change from his previous employment as a moulder at Electric Steel Foundry. He also drives a local school bus in the mornings.

Betty and Rudy are in the landscaping stage at their new home that they built near the plant.

Prior to four years ago, they lived in Milwaukee, Wisconsin.

Their family consists of a boy, 11 years

old and a girl, 10 years old who hope someday to play their accordions in the entertainment field.



Another Tektronix Twosome is VIVIAN and HERB CRAWFORD. Before coming to Oregon in October, 1948, they both worked for Wilcox Electric Company, manufacturer of radio equipment for airlines in Kansas City, Missouri.

Vivian started working for Tektronix in the Cable Department, February, 1949, and left May, 1950. She returned to work in February, 1952.

Herb spent 18 months in the navy. After coming to Oregon he took a welding course and worked for Oregon Electronics before coming to work for Tektronix in July, 1950. Herb is now a group leader in the Special Department on swing shift.

The Crawfords have two charming daughters, Carol Rose, 22 months and Sandra Lee, six months and are building a house southeast of Tualatin.

Their hobbies include photography and gardening.

BONNETS AND BOOTIES

Mark Richard Ropiequet is the name of the new son at Eleanor and DICK ROPIEQUET'S home. He arrived May 3, weighed 7 lbs. 12 oz., and seems to think the time to be awake is between midnight and 3 a.m.

Congratulations to Mr. and Mrs. DON TWEEDIE on the birth of a baby girl, Margaret Alyce, born May 8. She was born at St. Vincent's Hospital and weighed 7 lbs. 10 oz. This is their third girl.

The stork brought to Rose and BURT AVERY a girl, Nancy Lee, on May 14 at 4:18 a.m. Weight: 6 lbs. 6 oz. She was born at Emanuel Hospital.

PRINTING DEPARTMENT



L to R: K. Walling and B. Causgrove

Coster and Gutenberg would have loved KEN WALLING'S zealous pursuit of their printer's craft. Ken, genie of the Tektronix printshop, keenly feels the romance of printing--the transformation of a blank sheet of paper into a segment of the kaleidoscope of history. One of the reasons he gives for his interest is the artistic satisfaction to be derived from an actually non-artist process.

The rapidly-expanding printshop had its humble beginnings in the corner of Engineering 1 last October with Ken manning the hand press, on which he turned out purchase order forms, and the Multilith machine for the rest of the routine printing. The Multilith machine is similar to the Lithograph or off-set and is practically worth its weight in gold. In October the equipment was moved to the back of the Aluminum stockroom but has expanded to include a large part of what was stockroom area. New equipment is being added all the time and Tektronix now prints most of its own office forms, Sales Dept. labels, some instruction manuals, all catalogs and other miscellanea. In one running of 6,000 issues of the recent catalog, one ton of paper was printed. Seven pounds of blue ink was used for the covers and backs only. This amount is approximately equal to one gallon of paint. Plans are made for Tektronix to do its own advertising with Ken arranging for typesetting and engraving for all advertisements and mailing pieces. These processes are done by a local firm. Recently a 10 by 15 inch job press has been purchased to take the place of the old hand press.

Our genial, logical-minded Ken has a wide background of work experience at Tektronix.

This includes shipping, purchasing, wiring, shop work and stock control. He was hired in December, 1947 and worked full time until February, 1948 when he enrolled at Lewis and Clark College where he earned his degree in business administration in August, 1951. During his time in college he continued to work part time. He was born in Canada, reared in Iowa, and came to Oregon in 1947. Ice skating, music (make mine hot, please), photography, wood finishing and working on his car claim his attention in off-hours, along with two charming ladies, Mrs. Ken and young Susan Marie, 3 months. All this may account for the unused golf clubs at home.

BILL CAUSGROVE, Ken's assistant, may sometimes be seen operating "La Guillotine", a dangerous-looking gadget whose innocent function is cutting only paper. Bill, a native Portlander as well as an enthusiastic disciple of the trade, wants to marry Mary---MARY HOOYBOER, that is, who works on 513 Vertical Amp. wiring. Strangely enough, Bill was Mary's boss at Iron-Fireman, later her boss here, and on June 28 will take on that duty permanently. On November 20, 1950, he started at Tektronix in sub-assembly, then went to 511 finaling, later 513 finaling (the first finalist) and before his transfer to printing, to 513 Inspection. Bill likes swimming, skiing, both snow and water, and ice skating. Because of his unusual ice skating ability, he has been considered by the Ice Cycles company.

Ken and Bill are readily identified by their ink-stained blue aprons and observation proves they are really enjoying their clattering machinery and their contribution to the company's success.

* * *

GRANT BUCHANAN, TOM RUYLE, BUD SIEGEL, WAYNE STRUTZ and ED ARCHER, all in Shop swing, were chinning on the lunch hour recently. The talk drifted into what each would most like and a wide variety of tastes was expressed:

Grant: "Travel. I've done quite a bit and I'd like to do some more. You name it--burro or Buick; camel or Cadillac."

Bud: "Year around snow so I could go skiing up at Hood every weekend. Slaloms, christies, schusses is my favorite fruit."

Wayne: "A recording of every piece ever played by every famous band. Boy, that would be some record library."

Tom: "Warm strawberry blondes and cold strawberry ice cream--a babe on each side of me and a third cutie to feed me the ice cream."

Ed: "A tape recording of these other guys talking."

514 GROUP

Production of the 514 was begun in the fall of 1950. At that time the group consisted of JOHN LARSON, group leader and inspector; JUNE BULLOCK, wiring video chassis; HERB RUSTRUM, finaling; and GRACE GASSER, wiring the sweep and power chassis. Soon CALVIN SMITH joined the four '14ers, and he, too, wired the sweep and power chassis.



L to R: J. Berlack, N. Swanson, M. Kokich, H. Tillman, G. Koch, and B. Ekstrom

Since this time, many members have been added to the 514 group, and there now are five girls wiring the sweep and power chassis, one of whom is BARBARA EKSTROM who has been with the group about a year. Barbara was born in Washington at the age of 0, which seems to be quite normal. After aging a bit she attended the University of Oregon for one year, where she met her husband, Johnny. Interior decorating is her hobby. Thus her apartment became an interesting experiment. Result - ??

Another sweep and power wirer is BEVERLY OATHES who has also been with the group for a year. She was born in Fargo, N.D., and while attending high school won a scholarship to the University of Oregon, but turned it down to get married. Now she has two girls, aged 8 and 4, who keep her busy when she isn't already busy building her own home. Interests? Although frightened of horses she has become determined to learn to ride. She must have the interest.

A comparatively new comer to 514's is GLADYS KOCH who has now been in this group about a month. Before this she had been wiring 513 sweep and power chassis. In the last few months many have come to know her as the captain of the Power House bowling team. A native Oregonian, Gladys is married and has a seven year old daughter. Ceramics and crocheting are her hobbies.

SELMA KNUTSON another year "termer" at Tektronix also wires power and sweep. Churches Ferry, N.D., where she finished high school, is also her birthplace. She is not married and lives in an apartment in Portland. She owns a '49 Chev. and enjoys any outdoor sport.

A home and family occupy VERSA DIETZ' time when she is not wiring sweep and power for 514. Versa was born in American Falls, Idaho, but moved to Portland where she finished high school at Girls Polytechnic. She was married in July, 1941, and now has two daughters, Sharon, age ten, and Karon, age 4. The Dietz family lives in the Brentwood District.

The 514 video chassis production now demands the attention of three people. One of these attentive three is HAZEL TILLMAN. Hazel moved from Iowa, where she was born, to Baltimore, Maryland, where she worked on radio equipment at the Glenn L. Martin Aircraft Co. She came to Portland in 1946 and has been with 514's a year. Hazel has two girls who are three and seven years old. Need it be said one of her chief pastimes is sewing?

MICKEY KOKICH has been wiring 514 videos about seven months. The fourth in a family of eight, Mickey hails from Lancaster, Minnesota. She now has two children of her own, aged five and three. Mickey's husband, Dick, is a music teacher and also has a music supply store. Her hobbies? Music, of course, skating and dancing. Waltz anyone?



L to R: B. Oathes, S. Knutson, C. Denton, V. Dietz

The mother of three children, NEPPIE SWANSON has been with the group about six months. Neppie would have us believe that three children are easier to handle than one. Does this mean that nine would be easier than three? A few of her many interests are sewing, tap dancing, beadwork and photography.

CORRINE DENTON does mechanical as-

sembly on the 514. She was born and raised in Minot, N.D., and now has been with Tektronix for 16 months. Her interests are bowling and her three children, aged 13, ten and three.

Canada claimed JEAN BERLACK until she moved to Chicago in 1937. She has been in Oregon since 1944 and has worked at Tektronix for thirteen months. Her interests are crocheting, dancing, and hiking--with friends.

* * *

TEKTRONIX OPENS SYRACUSE OFFICE



Six suitcases and two teddy bears accompanied by BYRON BROMS and family boarded a U.A.L. plane on May 14th for the East Coast. Actually Byron took his family to Syracuse where he joined the Eastern Division sales force last month. Byron's children, Christie, five, and Tony, four, took the teddy bears, but we haven't found out who toted the luggage. Byron, did you make like a "Redcap"?

Byron started his career in electronics with Western Electric during 1940 working in telephone assembly-repair.

In 1942 he joined the Navy and was selected for the Navy's Radio Material School at Bliss Electrical School for a year and a half. Late in 1944 he was assigned a mine squadron in the Pacific Theater where he spent the balance of his Navy career. After being released from the Navy, Byron worked in the Toll Maintenance Division of the Bell Telephone System until he joined Tektronix in February, 1951 to learn the product from component to completed instrument. Byron's capabilities and engaging personality quickly pointed him out as a person who would prove valuable as

a representative of Tektronix.

JACK CASSIDY, Eastern Division Manager, will assist Byron in establishing a new Tektronix branch office at Syracuse, New York. Tentative plans are to open the office on June first. Byron will cover upper New York State and the Canadian area adjacent to New York State, comprising the active areas around Ottawa, Quebec and Montreal.

We all wish Byron, his wife Jean, and their family the best of happiness in Syracuse.

* * *

TROUT DERBY

Fish! Fish! Fish! Come on you people let's wet a trout line. WENDELL FERLAND and his wife really went out for it in a big way. They went out two different weekends and both lost a fish. Wendell said he lost the first one and that both were whoppers. They are going out again soon to try their luck.

CLAIR KIDD is the only one so far who has caught a fish eligible for our derby. What's the matter with the rest of you?



TECHNICALLY I CAUGHT HIM, SINCE HE GOT AWAY FROM ME FIRST.

* * *

JERRY HITCHCOCK, Transformer Department, did some high flying the other day with a gasoline-propelled model plane. He flies models on a free-flight strip near the Hillsboro airport. At a recent flight a plane went over a mile, with Jerry chasing it on foot. He says the fuel "tank" holds about a thimble-full, and fuel costs 85 cents a pint--and with the big airlines cancelling flights because of the recent oil strikes. Jerry has built many of his own planes, some of original design, and they have numbered "in the hundreds" over a period of eleven years. He is now working on a radio-controlled model.

VERNA COLLECTS DOLLS FOR HOBBY



VERNA DOBSON, assistant group leader in Transformer, has a hobby which can become quite "accumulative". She has been with us nearly three years, and her doll collection was started about two years ago. The collection numbers 89, and Verna hopes to have 100 by July. Many of her dolls have been given as gifts. She has made five, repaired three, and dressed twenty. There are fifteen foreign ones, including several dressed by natives. Yes, there is even a Rastus and Little Black Sambo.



The largest and oldest doll, which wears children's clothes, was given by her aunt.

Verna explains that dolls have been a fascination since childhood. She received her first nice one for her sixth Christmas, and another when she was eleven or twelve. These dolls are quite different from the present day dolls. Dressing dolls seems to be the greatest fascination. Her hopes are to have one from each country, made and dressed by natives. The photo of her collection was taken by herself, photography being another hobby. Verna plans to bring dolls to the hobby show if transportation is available.

Tektronix is proud of the publication of an article by CLIFF MOULTON in the May issue of PROCEEDINGS OF THE I.R.E. The article is titled "Signal Distortion by Directional Antennas". Cliff is our engineer who developed the 524. We note also that he has been transferred from Associate to Member of the Institute of Radio Engineers.

HOWARD VOLLUM was the speaker at a recent luncheon meeting of the Chamber of Commerce industries subcommittee. Products from some of the 16 electronics firms in Oregon were displayed.

On May 19 two California Engineers visited our plant for several days. Victor Howard takes care of instrument maintenance for Neely Enterprises, and Lester LeCoeur has charge of instrument maintenance for Hughes Aircraft. These men, familiar with Tektronix equipments, were here to get first hand information on factory test and calibration procedures.

Les LeCoeur says that at Hughes Aircraft they have had to do very little maintenance work on their Tektronix equipments.



... AND THIS IS PHOTOGRAPHY AND THE DARK ROOM -- OOPS!

Two of our Test Personnel were in the dark room on swing shift loading some 35 mm film in daylight cartridges and had 5 feet of film out and ready to put on the spool when a voice was heard saying, ".....in here we have our photographic (snap) department..." There stood the boys with light seeping in around the light trap, mumbling to themselves.....A little bird tells me that the party of the first part was rather peeved the rest of the evening.

BOWLING LEAGUE ENDS SEASON

The 1951-1952 Tektronix Bowling League drew to a close April 24th with the crash of the bowling pins. After bowling every Thursday for seven months, the bowlers drew a deep breath and wondered what the outcome would be. Although everyone enjoyed the game, one could see in the bowler's faces the longing to get out into the gardens, lawns, etc.



Dick Schmidt presents award to Gracie Gasser



Cecil Fletcher receives trophy

GRACE GASSER and CECIL FLETCHER walked off with the high average trophies; Grace with an average of 126 pins per game and Cecil with an average of 158 pins per game. High game prize winners were ARLENE MARTIN, SID JONES, and DEANE KIDD. High series prize winners were JUNE BULLOCK and BURT EBERLY. Incidentally, Deane and Burt rolled their winning scores on the final



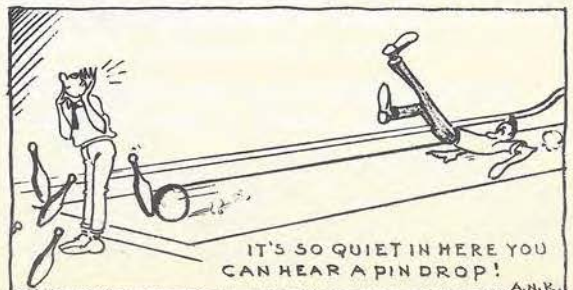
Back Row, L to R: S.Jones, D.Kidd, B.Eberly
Front Row, L to R: A.Martin and J.Bullock

day of the season. Each of these people received \$5 in cash for their prize.

The Eddy Current team, consisting of WAYNE STRUTZ, SLIM SORENSON, JUNE BASS, BILL JOHNSON, and TOM RUYLE walked away from the rest of the teams and picked up \$25 for their efforts. The remaining teams finished in this order with their prize money in parenthesis: 2-Hysteresis (\$20), 3-Short Circuits (\$15), 4-Power House (\$15), 5-Live Wires (\$10), 6-High Volts (\$10), and 7-Hot Wires (\$5).

Undoubtedly many of the bowlers will be thinking, "Just how can I improve my bowling; is it the ball, or is it me; must be the ball!!" But just wait until next season---

Bowling as a league this season has been an experiment. Through this season's experience the next season should run more smoothly. It is hoped that more people will be interested in bowling for the entire season. Many of the problems will be ironed out during the summer months; so around the latter part of September, the crash of bowling pins will once again fill the air. See you then---



Cont'd from p. 1

auditorium where we had plenty of room and a good attendance. Dr. Huntoon, Director of the Bureau of Standards at Corona, was extremely courteous and cooperative and his alternate, Ralph Lamb, made a particular point of getting project engineers and section heads squared away to visit our exhibit. This was one of our most valuable stops because we were in on the ground floor during the formative stages of what is certain to be one of the important laboratories in the area.

The stops made at Point Mugu, Inyokern, and Corona, demonstrated the degree of organization carried out by Neely Enterprises personnel in preparation for our visits. At each of these stops, security regulations are strictly enforced and entrance to the government reservation is limited. In conformity with these regulations and because of good organization and prior arrangements, we were able to take the entire safari behind security gates and display the test equipment directly to engineers and technicians in their own laboratory buildings,

With the exhibit at Neely Enterprises' Los Angeles offices, my tour with the Road Show ended. The next three days were spent in visiting, with Neely Field Engineers, some larger Tektronix customers in Los Angeles and San Diego, including: Consolidated Vultee Aircraft Corp. in Pomona, Calif., and San Diego, Calif.; Bill Jack Corp; and the Naval Electronics Laboratory.

In the San Francisco Bay Area during the week of May 12, visits were made in company with Neely Enterprises Field Engineers to the following Tektronix customers and potential customers: University of California Radiation Laboratory, U. of C. Physics Dept., U. of C. Chemistry Dept., Westinghouse; Litton Industries, Sierra Electronic Corp., Lenkurt Electric Corp., and IBM Research Laboratory. A visit to Hewlett-Packard Company, who manufactures electronic test equipment other than oscilloscopes, completed my four weeks trip.

Many valuable customer contacts were made on this trip and throughout, it was evident that engineers look to Tektronix for leadership in the field of electronic instrument manufacturing.

* * *

EDITH GROSHONG had nine stitches taken in her hand after cutting it while washing dishes.

LORENA FOX, Coils, recently acquired a '49 Oldsmobile, and it is rumored her brother, DICK, is teaching her to drive. Lorena and Dick may be the only sister and brother combination at Tektronix.

Cont'd from p. 1

If possible this should be arranged ahead of time but, in an emergency, replacement by Red Cross could probably be arranged later.

The obvious and most important question is "have Tektronix employees used this blood or could they use it?" Yes - certain employees have required blood for themselves or their dependents and this program has not been too well understood. It is hoped all employees now understand they can get blood when needed--free (except for service charge). In order to have an account, continued donations are required. Interested donors should sign the list on the bulletin board when they wish to donate.

We hope those who come in weak and half dead on Monday mornings will not deplete the blood bank.



ANA HAAS trying to fatten up the girls with Estonian style rolls that are yummy..... SAL VALLARIO baking apple pie for his 512 swing group.....MAXINE CALVERT planting a lawn on her vacation...LUCY BENTON knitting for babies and more babies--a few of which are grandchildren.....

* * *

FAY HOLLIDAY and Steven Riaz were married on Saturday, May 17. Following their wedding, which was a surprise to all, they went on a honeymoon.

* * *

Welcome to two new employees: VIRGIL BRITAIN, Assembly and JOHN RIESCHEL, Sr., Shop.

* * *

JOHN MATTHEWS is group leader of the Small Instruments Group. NORMA CAUFIELD has taken his place and is working with DON ELLIS and HAWKIN AU in the Planning Department. JOHN TAYLOR is now assisting BOB DAVIS with production coordination.

* * *

It's gratifying to know that our monthly publication of Tek Talk is getting attention. In fact, while reading the last issue, MARY JANE FANNING, 512, walked into the cloak room and wore some other gals coat home.

ELEANOR ROSS keeps a cheerful corner in the 512 Group by always having one of her many beautiful flowers at her bench. We all enjoy them.

* * *

TEK TALK



VOL. 1 NO. 9

JULY, 1952

EASTERN OFFICES

Why do we have field sales representatives? The answer lies in the general subject of Marketing. If we had no representatives and merely operated a mail order business, our sales would be only a small percentage of current production.

Our representatives call at the laboratories and discuss instrument problems and required equipment characteristics. These men are not salesmen in the generally accepted sense of the word; they must be capable of understanding a customer's technical problems and recommending the apparatus required. They keep our customers aware of new products and modifications; they also keep us informed of customer reactions to our products. They are responsible for keeping the customer happy by making minor repairs or changing tubes when necessary.



BALTIMORE, MARYLAND OFFICE

Our representative in the southwest, Neely Enterprises, has been a distributor of electronic equipment for many years. The northwest area is taken care of by Hawthorne Electronics, with whom we were associated during the earlier days of the company. In the Gulf area, Texas, Louisiana, Arkansas and Oklahoma, we are represented by M. F. Klicpera. Everett Associates covers the industrial midwest, except for Michigan and Ohio, which are taken care of by The Satullo Company. A. H. Lynch and Associates repre-

sent Tektronix in Florida, and Bivins and Caldwell handle most of the southern states.

The eastern states were at one time the territory of Brujac. However, since more than half of our total business is done in this area, it was felt that more effective coverage could be obtained by setting up our own organization.



BRONXVILLE, NEW YORK OFFICE

So it was that on February 1, 1951, Tektronix opened an office in New York City which was planned to serve the Atlantic Seaboard from Washington, D. C. to Buffalo, New York. The personnel at that time were J. J. (JACK) CASSIDY, Eastern Branch Manager, G. E. (ED) BAUDER, and Mrs. MARGARET JOHNSON, Secretary.

JACK CASSIDY came to Tektronix in November, 1950 from a long experience in the electrical and electronics component field. His position immediately prior to this event was that of Branch Manager for the New England area of the Micro Switch Division of Minneapolis-Honeywell. Jack resides at Old Greenwich, Connecticut with his very charming wife, Norma, and two fine boys, Johnny and Bobby, one of whose main interests in life is another Cassidy--Hopalong.

MARGARET JOHNSON, without whom the world (or at least the Tektronix Eastern activity) could not move, is combination division manager, sales engineer and secretary. She joined the staff in February, 1951. Her lively zest for life, coupled with a keen sense of humor and

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VOL. 1 NO. 9

JULY, 1952

EDITOR Blanche Cook

CONTRIBUTING REPORTERS

Marian Arnold	Will Marsh
Lois Campbell	Bill Muessig
Jack Clark	Ida May Norby
Jack Day	Joe Vistica
Edith Groshong	

Photographs by:

Ed Bauder
Jack Cassidy
Ed Egan

TEKTRONIX TWOSOMES



Tektronix Twosomes are unusual pairs, but the Egan twosome is unusually unusual.

FRAN is the blue-eyed blossom who floats about the front office getting things done. ED is official Tektronix photographer. He is responsible for the outstanding cuts for our advertising and also does the photographs for Tek Talk. They are amusingly alike in their restless expenditure of energy and cheerful willingness to help everyone.

The Egan's enjoy trips to the beach, but their latest avocation is house hunting. Ed insists he is going to transplant every one of their twenty-five tomato plants when they locate their new place. (Wonder if he has a pet name for each one).

Ed majored in Engineering at Iowa State College for three years and worked at Kennell-

Ellis and Color Lab before joining the Tektronix staff in January, 1951. Fran also attended Iowa State College for three years and took a Pre-Med course and Home Economics. In her spare time, Fran does a lot of sewing.

Carolyn, age nine, and Susie, age six, ensure that life with the Egan's is never dull.



When DEANE KIDD came to work at Tektronix in August of 1949, little did he know that it would be a meeting place for him and his future bride.

In August of 1950, a blond, curly haired girl, MYRTLE HASKELL, became a Tektronix employee. As time went on, the name Haskell changed to KIDD. Myrt and Deane exchanged marriage vows in March of 1951.

They moved into a brand new home that very quickly had a radio shop in which Deane spends much of his spare time.

Myrt's hobbies are horseback riding, reading and softball. These come after homemaking. Off the record we hear she is quite a mermaid, too.

Deane won a prize for having highest game in the bowling league. He graduated in Electrical Engineering from Oregon State College, and Myrt's high school days were enjoyed at Beaverton high. She was employed at Meier and Frank's before coming to work in the Purchasing Department at Tektronix.

If you hear a good deal of pounding around the Kidd home, don't get excited. Deane isn't pounding someone's radio to bits. He is building a new garage. His talents run in other directions beside electronics.

* * *

Here's our daffynition of the week.
Seasickness: Crossing the ocean by rail.

GRANT'S HOBBY - MAKING FURNITURE



GRANT BUCHANAN, who has been with us in the Shop on swing shift since November 27, 1950, makes furniture for a hobby in his basement. It is a profitable avocation for him, too, as he has made almost a dozen three-piece sets in the last year and has sold several for about \$50 to \$60 each.

This beautiful furniture must be seen to be appreciated. Each set consists of a coffee table and two end tables. The coffee table top measures about 20 by 32 inches. Grant has worked with oak, mahogany, maple and birch but prefers the latter because of the beauty of its lustrous, satin-like finish when worked up.

Three-fourths inch plywood is used, two pieces being glued together where greater thickness is required. Veneer is applied around the edges of the table tops. Prepared glue and screws are used in construction, and the various parts are held in clamps until dry. Grant says he sometimes resets the clamps four times in a 24-hour period.

A table saw, an electric vibrating sander and compressed air spray gun equipment aid in producing the high-quality sets. However, Grant admits that about 75 percent of the work is plain elbow grease. To get the rich, smooth finish on his furniture Grant first sands and smooths the parts. Then sanding sealer is applied which is sanded down with a very fine sandpaper. A special table top lacquer is then put on and finally all surfaces are hand-rubbed with a rubbing compound which brings out the beauty of the matched birch grain in the sets.

Recalling the title of one of our recent movies, "Good Things Happen over Coffee", we might add, "Good Things Happen over Coffee Tables, too."

* * *

FOR SALE: Seven week old Cocker pups. See CHUCK NOLAN.

NEW EMPLOYEES

The following people are new employees: EVELYN DUNHAM, Syracuse, N. Y. office; MARYELLEN ANDREWS, Sales office; WALT SCHMITT, Stock; ED BROOKE and BLANCHE BERG, Shop; FORREST SCHUH, Shipping; KENNETH BEALS, DOLLY BOLES, WAYNE DEVAUL, CLYDE FEITUSH, BETTY HULL, HARDA KAU, GERRY MAYER, ROSEMARY McCARTHY, RON OLSON, EDNA ULRICH, and WERNER RASMUSSEN, Assembly.

New employees hired for the summer include: JEAN DELORD and FRED TINKER, Engineering; IRVIN FRIED, DON KEPHART, LAWRENCE HOLBOKE, WILLIAM MAYER, and LEW VALENTINE, Assembly; GLENNELY, Carpenter; JOHN TIMM and SAM TABSHY, Stock; GEORGE JANSEN, Shop.

* * *
TRANSFERS

The following people have been transferred as indicated: VIRGIL BRITAIN, from Test to Drafting; GEORGE EVELSIZER, from Stock to Test; CECIL FLETCHER, from Stock to Panel Department; DON KEPLER, from Assembly to Stock; JOHN KOBBE, from Test to Engineering; DENTON NELSON, from Assembly to Test; ARCHIE YERGEN, from Shop to Production Engineering.

* * *

ENGAGEMENTS and WEDDINGS

NEVA SATTERLEE and JACK NEFF announced their engagement. The wedding date is July 20.

MARY HOOYBOER and BILL CAUSGROVE were married on June 28 at St. Mary's Cathedral. A reception was held immediately following the ceremony in the Emerald Room of the Multnomah Hotel.

* * *

BONNETS AND BOOTIES

MARSHALL JACKSON bought a new home to have room for his family of four children. On June 16, his wife surprised him with twin girls---now he is raising the roof. Becky weighed 4 lbs. 2 1/2 oz. and Marsha weighed 4 lbs. 4 1/2 oz.

WILL MARSH is the proud papa of a 19 inch long baby boy who weighed in at 7 lbs. 2 oz. on Friday, June 20. Will said the baby was supposed to arrive on Friday, the 13th. Thomas Elliott has a three year old sister, Betsy.

That young looking dad, LLOYD OLSON, announced that his six year old son, Lloyd, Jr., and four year old daughter, Linda Louise, have a new brother. The baby, Timothy Allen, was born July 1, measured 21 inches and weighed 8 lbs. 3 1/2 oz.

511 GROUP

The 511 is a "scope of distinction". Because it was the first scope ever to be produced by Tektronix, Inc., it has led the field in Tektronix experimental methods. It was the first scope to be produced under the group system. This group was organized in July, 1951. It was the first to be transferred to the new plant. The 511's also lead the field in the production of tropicalized scopes. KENNY KINC is the group leader, and the assistants are PAUL HANSEN and HAROLD EDMUNDSON. Due to the size of the group we will introduce about half of the members in this story and present the others in a later edition.

KAY BARKER left her efficient house-keeping to come to Tektronix in November 1950. When not wiring chasis or managing her two children, husband, and 200 chicks, Kay finds time to fish, dance, and bowl. Her 18 inch trout won the Trout Derby last year. What an angler.



L to R: B.Johnson, A.Simmons, G.Miller, and P.Whooley

PEGGY WHOOLERY was recently promoted to power chasis and has been with Tektronix since August, 1951. Peggy came to Portland from wild Wyoming when only a babe in arms. Washington high school is her Alma Mater. She is very proud of her two children and has the exciting hobby of tracking down dislocated baby sitters.

EDITH GROSHONG is one of the rare species of native Oregonians. Edith owned and operated her own grocery store for seven years before coming to Tektronix in June, 1951. She has one fourteen year old son. Her hobby is gardening and her major ambition is to own her own home.

BOB JOHNSON was born in Chillicothe, Illinois and came to Oregon in the summer of 1951. He began working at Tektronix in August 1951 and has worked in Sub-Assembly, Final

Assembly and is now Paneling. Bob is married and has a young son born March 9 of this year. His hobbies are fishing, hunting and radio. He hopes someday to invent something that can be used by Tektronix.



L to R: H.Edmundson, F.Lucero, K.Barker, and E.Groshong

Columbia Falls, Montana is the birthplace of AILEEN SIMMONS, but she has lived in Oregon since she was five years old except for two years in California. She has worked at Tektronix since March, 1949 and has done Sub-Assembly, Mechanical Assembly, Cables, Coils and Chassis Wiring. She has a nine year old daughter, and sewing is her hobby. Aileen is very good at roller skating, also.

FRANK LUCERO was born in Delta Colorado and came to Oregon in 1929. He attended Forest Grove and Newberg high schools and joined the Marines in 1942. After receiving his discharge in Japan in 1946, he stayed there and worked at a radio transmitting station for three years. He is a confirmed bachelor and speaks some Japanese. After returning to the States he worked in a sawmill. He came to Tektronix in 1951 and is doing Finaling. His hobby is amateur radio, and he spends as much time "hamming" as he does working at Tektronix.

Lane County, Kansas is the home town of HAROLD EDMUNDSON who came to Oregon in 1940. He spent three years in the Signal and Air Corps. He is married and has a 10 year old daughter and an eight year old son. He was employed by Pacific Telephone and Telegraph Company for four years before coming to Tektronix in July, 1951. He has worked in 511, 512, 514 and is now Inspector and Assistant Group Leader in the 511 Group. His hobbies are woodworking, golf and radio tinkering.

GEORGE MILLER grew up on his father's

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devotion to her work have been major factors in the success of the Tektronix activity in this area. Many times customers will remark to those in the field on her ability to convey, over the telephone, an interest in and appreciation of their needs and problems.



Jack Cassidy

Around Christmas, 1951, it became apparent that the New York City office was totally unsuited for the providing of instrument service to our customers. In addition to being too small, access was difficult for both customers and employees. As of the first of February, 1952, it was relocated in Bronxville, New York, which is just a short thirty minutes north of Grand Central Station by the New York Central electric.



Margaret Johnson

The new Bronxville office is a store front which is very nice (glass door, nice large space for service area, basement, etc.), and which is convenient to practically everything (except Jack Day, who lives approximately fifty miles away).

In the Fall of 1951, a definite need was seen for an office in the Washington-Baltimore area, and it was a natural step for Ed Bauder to be chosen as manager.

Moving Bauder to the Baltimore backfield left a vacancy in New York which was filled the first of December by JACK DAY from the plant. Jack came to work for Tektronix in June, 1949, and after a period in sub-assembly and the Test Department, joined the Sales Department in February, 1950. His experience includes a hitch in Navy electronics. He was accompanied by five year old Nancy, and Margie, his wife, whom many of you will remember as the night switchboard operator during the Fall of 1951.



Jack Day

ED BAUDER had a lot of service with the Radio Division of the Southern California Telephone Company. A short time after coming to Portland, he decided that a greater opportunity was to be found in his own business.



Ed Bauder

This he proceeded to set up at Lake Oswego,
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and many fine home radio and audio systems in that area attest to his success. Ed and his family, consisting of Norden, 15, Marylee, three, and five year old Randy, and his vivacious wife, Mary, are at present living in a 100 year old house on a 20 acre farm just outside of Baltimore, Maryland, where Ed is in charge of our second Branch Office, serving the Baltimore, Washington and Philadelphia triangle. Ed started working for Tektronix in October, 1950.



Jean O'Brien

Due to the apparent ubiquity of Ed Bauder, a secretary of top capabilities was required for Tektronix, Baltimore. JEAN O'BRIEN, a tall, green-eyed gal, capitulated in December, 1951, and spent a week with Margaret Johnson at Tektronix, New York, learning things like "how does an oscilloscope?" Jean and husband play golf and poker; she mentioned something about dealer's (ugh) choice, probably not referring to golf. Mrs. O'Brien is now carrying on at Baltimore in the bold, straight-forward Tektronix manner. Although possessed of a fine Hibernian sense of humor she resents having Tektronix Baltimore office abbreviated to "BO"; seems there is some stigma attached to the expression.

FRANCIS FROST (Tek Talk for May) is now busy with Ed, learning the territory and the people.

A new office opened in June is Tektronix Syracuse which is being managed by BYRON BROMS. The new secretary for the new office is EVELYN DUNHAM.

An ever increasing service to Tektronix customers in this area is contemplated by the addition of experienced Field Engineers as they become available.

* * *

Cont'd from p.4

farm in New York. He worked for Paramount Novelty Company in New York City before joining the Quartermaster Corp in 1941. He was stationed in Australia for three years during which time he married Ruby, who works in Cables. He came to Portland in 1945 after getting out of the army and then attended Deforests Training, a radio television and electronic school in Chicago for a year. He started working at Tektronix in January, 1951. He has finaled for 511, 513, and 514. His hobbies are fishing, motor boating, radio servicing and flying, and he has two children, Paul, seven, and Susan, four and a half.

* * *

First Aid Class number three met for the first time on June 16. This class will consist of 18 hours class time, and the people completing the course will receive certificates from both the State Industrial Accident Commission and the American Red Cross. The instructors will be from the State Accident Commission and include W. L. Britton, Henry Rodgers, and Clifford R. Lefferty.

Class members include the following: AL BRIGGS, BUD BRISTOW, BILL CAUSGROVE, MARVIN EMMARSON, VIRGIL HALL, MARY HOOYBOER, JACK HUGHES, STEVE HUGHES, JACK NEFF, FAY RIAZ, CALVIN SMITH, SAL VALLARIO, LEMOYNE WARNER, and DOMIE ZOUCHA.

* * *

Are the words "scope" and "oscilloscope" becoming obsolete? It would seem so, according to one of our eastern customers. In a symposium on color TV they never used the word "scope" or "oscilloscope". They always started out with "Now our Tektronix 511-A" or "On a Tektronix 514....."

* * *

In the Cathode-Ray Tube Department, one sunny day in June, it was suspected that a game was going on. The crowd collected rapidly -- all fascinated. They were watching JOE GRIFFITH, assisted by JEAN DELORD, roll little steel balls across a stretched rubber sheet. Observers at first thought this didn't look quite fair and square, but were tempted to place a side bet or two just for luck as to where the little balls would hit the other side of the frame. We were a little concerned for a fact, until Joe assured us that this was a new method for determining the path of an electron around a positively charged wire. Some were rather disappointed and regretfully returned to their own respective duties wishing their job entailed such interesting play things.

TEK TALK



VOL. I NO.10

AUGUST, 1952



By casual glance MILES TIPPERY, one of the two Tektronix Vice-presidents, would probably be summed up by an uninformed observer as a very informal unimportant individual. And if the question were put to Miles, he would probably agree. There are a few old timers who can remember, however, the days that Miles carried the burden of production, testing, instruction manuals and other important little jobs about Tektronix. That seems a long time ago-----at least many instruments ago.

Our story really begins shortly after the Civil War. Miles' grandparents came to the State of Washington and homesteaded in the Silver Lake Area. Miles, the oldest of six children, probably had half the mountains of that area charted chasing the cows from his parents' dairy farm. Early in life he began drinking the waters from those snow capped peaks which now seem to be a very part of his life. An early interest in radio was shown when he was but 14 years old. School expenses were paid for by money derived from repairing radios of his neighbors. As the records have it he graduated from Silver Lake High School in 1934 as valedictorian. His first business adventure was

Cont'd on p.6, col.1

EXPANSION PLAN TOLD

HOWARD VOLLUM, in a recent speech to the Tektronix employees expressed confidence that Tektronix can do as well in the future as in the past. He said there is nothing to stop us from taking a larger part of the market and that this depends on our ability to produce quality products at the right price.

New instruments coming up which will expand the field include the 315, 524, 160 and the 180. The 315 is a smaller and more portable scope used in field maintenance. The 524 has been especially designed for television transmitter maintenance. The 160 series is a line of electronic equipment used with oscilloscopes in the medical field, while the 180-Time Mark Generator is used to calibrate oscilloscopes. These new instruments will stabilize our production.



In explaining a chart showing total shipments by month, Howard said it is easy to pick out all bonus periods and that if this line could be leveled, it would ease the load of many

Cont'd on p.6, col.2



VOL. 1 NO. 10

AUGUST, 1952

EDITOR Blanche Cook

CONTRIBUTING REPORTERS

Vern Bartlett	Dick Montag
Bob Gest	Bill Muessig
Earl Grove	Jack Neff
Phil Mallery	Ida May Norby
Will Marsh	Scotty Pyle
	Dick Schmidt

Ed Egan, Photographer

ELLEN'S HOBBY - BUILDING TRAINS



Mrs. George Burton, better known to Tektronix people as ELLEN BURTON, has been with Tektronix since September 19, 1951 and is one of the members of the all important Stockroom staff. Ellen, being the only girl in the Stockroom, is the victim of many jokes and pranks, but she said she loves it. Before joining our staff she attended Pacific University in Forest Grove where she has a Junior standing.

Ellen said that the hobbies she is interested in are not just hers but are communal family affairs in which her five year old son, Brian, and husband, George, participate. These hobbies are collecting antiques, interior decorating (with special inclination toward the Early

American influence), and building furniture of which all can be seen in the nice home which they have built themselves. The hobby that claims most of their time is an active interest in model railroading. Both Ellen and her husband are members of Portland Society of Model Railroads. Their pride and joy is 1/4 inch to the foot scale model of the engine Reno, from the historical Virginia and Truckee Railway. Assorted pieces, combination baggage and passenger cars, tank cars and ore cars complete this colorful model train.

Their current project is the construction of a 1 1/2 inch to the foot scale model of a Union Pacific 1500 class diesel. It is powered



by a gasoline driven motor generator driving traction motors. It will weigh approximately 500 pounds and will be able to tow two tons. It will be equipped with automatic couplers, air brakes, and electric controls.

* * *
CLIFF MOULTON and BOB POULIN, Engineering, have each announced their engagement.

* * *
GLORIA POOLE and DICK MONTAG were married July 5 at the Sellwood Baptist Church. Gloria works in the 517 Department and Dick is in the 514 Department.

TIM KIRTLEY, Transformer, and Helen Caulson were married July 19 at the Woodstock Methodist Church. CARL HELMER, Transformer, was the best man and ED STOWE, Shop, was an usher.

The marriage vows of JACK NEFF and NEVA SATTERLEE were exchanged at a ceremony on Sunday, July 20, at 3 p.m. in the Forest Grove Baptist Church. Jack is in the Transformer Department, and Neva is night receptionist.

TEKTRONIX TWOSOMES

JOHN and GENEVA KOBBE are one of Tektronix newest twosomes. John started in Assembly last November while Geneva has been assisting CHUCK GASSER in the Advertising Department since April.

It seems John has had his hands in electronics so much of the time and is getting such a charge out of it that someone decided he should spark a few ideas in the development of our instruments. John was transferred from Assembly to Test in December and to Engineering in June.



John started experimenting with electricity at a tender age using power supplied by his father's water wheel driven generator. When John shorted wires together, instead of blowing fuses, the water wheel slowed to a stop. Many valued bits of wisdom were learned from these experiments such as "water is wet".

After joining the Navy in 1946, John attended Radio Material school at Treasure Island to learn electronics. From school he was assigned to the aircraft carrier Leyte where he learned that sea-water was also wet. John's next assignment was maintenance of Ground Control Approach units at Olathe Naval Air station near Kansas City where he spent the balance of his Navy career.

John and Geneva met in a skating rink in Kansas City, liked rolling around with each other, so decided to make it a life time affair on August 27, 1950.

After completing school at Clifton Hill, Missouri, Geneva started her business career in Kansas City. She enjoys most outdoor sports, especially swimming and horseback riding. Her eyes sparkled at the mention of swimming,

and she recalled an incident when John went swimming to pick water lilies for her---a la clothes.



In 1943 HELENE CANNON met WALT SCHMITT in an air craft factory in Dallas, Texas. Walt was in the Army Air Force and Helene had come to Texas from Oklahoma to work during her summer vacation.

In 1946 Walt was sent to Europe and upon discharge from the service, came home and married Helene on May 12. Then he returned to Europe--this time for the War Department--leaving his bride behind. Six months later, Helene joined Walt in France.

Helene could not understand or speak French. One day while she was riding on the subway, she wanted to appear as a native French woman so she bought a paper from a boy and sat looking at it for quite some time. Everyone stared at her while she was looking at the newspaper---upside down.

Walt and Helene also went to Germany and Switzerland. Helene says that the Alps are beautiful and she wouldn't mind being there during the summer.

When they came back to the States, Walt majored in Physics at the U. of Portland. He worked his vacations at Tektronix for the past three summers. In June, 1952, he became a full time Tektronix employee and now works in the Testing Department.

Helene has worked in the front office since last summer as switchboard operator, and her voice can often be heard over the squawk box.

Helene's main hobby is ceramics and Walt's is electronics. He is building a Williamson Amplifier now. Together they go golfing, swimming, and roller skating.

TEST DEPARTMENT

Now to shed a little light into that darkroom where dwell the cavemen of Tektronix, the test boys.

Testing and trouble shooting is only half of the job done in Test, but is the most familiar function. The other half is seen only by the customer; that is the job of calibrating and adjusting the high accuracy circuits of our instruments, and keeping a watchdog eye on over-all quality. On the 511-A, our simplest scope, there are 48 calibrating adjustments to be made.

The proudest accomplishment of the test men, though, was their famous five-cent Christmas tree with thousand-dollar lighting system, which employed neon bulbs, a 512, and a 105.

Another important function of Test is handled on day shift by amiable ROD KENNEDY, who is the last man to see the shining interior of Tektronix instruments as he makes a final visual inspection and installs the gray-wrinkle cabinets. Rod is a native Oregonian, a graduate of St. Helens High and of Multnomah College's radio and television school. Overseas duty as an army radar technician led to stateside family life and hobbies of electronics and woodcarving. Rod's wife, Shirley, is busy at home taking care of Stanley, age 9; Ronald, 8; Steven, 4; Donna, 2; Carolee, 1; and Rod.



L to R: W. Holt, E. Froeschle, R. Kennedy, K. Keyser, and D. Clifford

"Smiling ED" FROESCHLE, our happy bachelor, (..girls!) tests small instruments and expounds weekend vacations at Hoodoo ski bowl. Ed would be a native Portlander if he didn't spend so much time away with his hobbies of hiking, climbing, skiing, and swimming. A "ham" for 10 years, W7JGC, Ed is also a grad of Lewis and Clark in math and physics,

and worked for BPA on radio equipment before coming to Tektronix last December.

New home-owner and 511-A tester DON CLIFFORD shares Tektronix couple honors with AGNES CLIFFORD in the Transformer Dept. Don came to Tektronix one year ago after graduating from Multnomah's radio and television school. A native Portlander and Benson High grad, he spent his Navy time leisurely yachting around the South Pacific in a P.T. boat. Then came work for a neon sign factory, an electro-plating company, and Dictaphone Corporation. Don and Agnes share hobbies of picnics, home movies, and a record collection.



L to R: H. Stewart, C. Duhrkoop, L. Mathis, W. DeVaul, and G. Evelsizer

Handy-man KEN KEYSER tinkers the bugs out of 512's and spends his spare time at photography and home electronics. At Tektronix since January, Ken has put time in the Navy as Chief E.T. on a cargo ship, and also at WISCO and at the telephone company. A native Portlander and Benson High grad, he also taught school in the Navy during the post-war years. Ken says his favorite hobbies are "...anything that will save money around the house." Also "helping around the house" is Ken's wife, Betty, and "little helpers" Caroline, 4, and Steven, 2.

An "old-timer" at Tektronix (14 months) is LARRY MATHIS, who spent a stretch in the Shop before testing 512's and 514's. Hailing from The Dalles, Larry has acquired a vast experience at almost everything from serving Army time to teaching at Multnomah College. Spare-time activities are fishing, photography, and collie raising, which are shared with Larry's wife, Rose, and offsprings Joe, Helen Rose, and Bruce, ages 14, 7, and 5.

HARRY STEWART holds down the swing

shift end of "quality-control" a new section of the Test Department expanded from the cycling section. Harry is a Navy veteran of three years, and a graduate of The American Television Institute in Chicago, possessing a TV engineer's degree. (When's it coming, Harry)? After teaching at ATI, Harry came back to Oregon to teach at Multnomah College before coming to Tektronix eleven months ago. Harry's hobbies are "hamming" (his call is W7LHO), and color photography, the latter, of course, being shared with his wife, Lorraine.

"Cabinetizing" on the swing shift is in the experienced hands of CARL-REID DUHRKOOP. Carl is a native Portlander, a graduate of Lincoln High, Cascade College, and Western Evangelical Seminary. He was a master sergeant in the Army Engineers after two years as a civilian employee in the Engineers. Carl has been a pastor for two years and plans on becoming a missionary in Formosa, with the help of his wife, Agnes, and of course Carla Mae, 4, Richard, 2 1/2, and Carl Jon, 11 months. Brother BOB DUHRKOOP is also with Tektronix, in the Purchasing Department.

WALTER HOLT, who tests 514's on the swing shift, is one of our few "local residents", commuting all the way from Cedar Hills. A native of these here hills, Walt graduated from Lincoln High, then went to Stanford, and from there into the Navy. After a time at Stanford again, it was back into the Navy for Walt, and then to Tektronix. Favorite hobbies are electronics and skiing at Mt. Hood. Walt claims he is an in-eligible bachelor.

In among the Williamson amplifiers and the speakers we find audio-bug GEORGE EVELSIZER, who spends his spare time checking 511's at Tektronix. George insists he is not like most sound-equipment fans, though, and does not get carried completely away; he even has time for astronomy, swimming, cabinetwork, and his family. George's wife, Evelyn, probably rates those activities in different order, heading the list, of course, with daughter Barbara, age 19 months.

WAYNE DeVAUL is the smiling new face in the wire-chacking department nights. A Benson High grad and native of these parts, Wayne has a three year hitch in the Navy under his belt, along with time at the University of Portland. Wife Betty Ann and daughters Cathy, 5, and Diane, 2, help Wayne keep things going in the new home they just bought. Wayne's training as E. T. in the Navy led him to radio and appliance work and eventually here to Tektronix.

* * *

HOBBY SHOW, SAT., SEPT. 20, 2 P.M.

TRANSFERRED TO BRONXVILLE OFFICE



GEORGE EDENS worked for Ma Bell for several years before he finally went over the hill. He joined Tektronix on January 9, 1951 and immediately began taking Dr. Herren's course in "How to Test Scopes in the Dark".

George is busily married to Kay, a vivacious and friendly brunette. William, the youngest Edens, made Tek Talk Bonnets and Bootees column last May. His big sister Cathey is four and brother Christopher is three.

There is plenty of evidence to prove that George is the type that does things. He built a large addition on his house with his own calloused hands. He was one of the organizers of Tektronix Credit Union and was a member of the board of directors.

The Edens family will visit in Chicago a few days before completing the trip east. George will help JACK CASSIDY and JACK DAY cover the New York area. We predict continuing success as long as he pokes that grin through the door before anything else.

* * *
New employees are HENRY BAHRs, EUNICE DAY, REGGIE GREEN, BILL HARDIN, MARIETTA KILGORE, GENE SHERIDAN, FAYE VANDIEST, and KAY WRIDGE, Assembly; EMMA LANGDON and SALLIE McGUIRK, Sales Office; WAYNE CHRISTENSEN and ED TAYLOR, Shop. Summer employees are ROBERT HUNSUCKER, Assembly and BRUCE RUMMER, Shop.

* * *
On July 26, CHARL BAIL, 513, accepted an engagement ring from JOHN MATTHEWS, Small Instrument Department. No wedding date has been set.

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the Silver Lake Radio Sales and Service established in 1934.

In 1942 a series of events began in Miles' life which, step by step, have led him to his present position. The romance of Miles and Nellie we must leave for another day but three months following their marriage in 1942 in Los Angeles, Miles answered the call to service and went into the Coast Guard with a rating of 2nd Class Radio Tech.

His first assignment took him to the Seattle Repair Base doing installation and maintenance of mobile and marine radio equipment. It was here that he met JACK MURDOCK and heard BOB DAVIS and some of the others now employed by Tektronix. At the Coast Guard Port Angeles Air Station Miles received his Chief Radio Tech. rating. His electronic work included airborne and shipborne radio and communication equipment, direction finders, racon, etc. Another project was modification and redesign of field communication equipment for mountain rescue work.

Finally, in November of 1945, the Coasties saw fit to release Miles from active duty. Immediately, civilian Tippery observed the foremost problem at hand, took hammer and saw, and erected a modest but sturdy and neat structure while temporarily residing at Vanport.

Being one of the four original Tektronix stockholders, his duties were many and varied during the formative years. Until about Christmas time of 1948, Miles was handling practically all of the test work in addition to his other duties. At this time the Test Dept. was increased due to the additional number of instruments being produced. Up to this time the Type 511 and later the 511-A were the only production instruments being built. However, in the spring of 1949 we started building the Type 104 and the Type 512. This created an additional work load on Miles, which, as summer came, caused him to gradually turn the test load over to other people. Since then, Miles has devoted most of his time to production management, instruction manual writing and employment direction.

Because of the rapid expansion of Tektronix during the past 18 months, he has been forced to relinquish most of his technical and production work to other capable people. Miles now devotes full time to supervision of employment, inter-departmental relations, aiding group leaders with their problems, promotions and transfers, pay adjustment, and other personnel (personal to some of us) matters.

With his many duties at Tektronix, Miles bought a home directly across the road from the plant. Leaving work in the evening he can

turn farm boy again, pruning his orchard or working his garden. Many varieties of trees are to be found in the grove behind his house. In a short tour, one can be enlightened on the various species of trees, their ages, years of drought and years of plenty. The trees of the Northwest are not foreign to Miles, nor are the mountain ranges on which they grow. Whether he will admit it or not, Mr. Tippery is quite an authority on the mountain ranges of the west and flora thereof.

And speaking of mountain ranges, Miles not only grew up in them, but he and Nellie managed to do considerable exploring of the Olympic Mountains while at Port Angeles during the war. On these excursions and while romping around with the Mazamas or other hiking parties on such weekends as he and Nellie can find time to escape, Miles has accumulated an extraordinary collection of Kodachrome transparencies. Also included in his collection of slides are some beautiful flower close-ups.

Besides Nellie, there are three other red heads in the Tippery family. Ruth and Wayne have been joined recently by the newest arrival-Joyce. The entire family attends one of the downtown churches, in which Miles has become quite active. Behind his shy reticent nature we can find a warm friendliness that belongs to the common man--and is a characteristic of the West of which Miles is a part.

* * *

Cont'd from p.1, col.2

departments--Shipping, Accounting, etc.

Howard also stated that the expansion plans are an indication of the company's faith in the future. A building half the size of the present building will be added to house Shop and the Transformer Department, with production and other facilities taking over present shop area.

The new building will be located one row of cars past the quonset. It will be air conditioned, be built along the west property line, will run north and south, and be connected with a wing to the present building. Arrangements will be made for different parking areas.

* * *

Tektronix Federal Credit Union office is located by the Shop entrance. Office hours are 3:15 to 3:45. DICK SCHMIDT, Test, will handle emergency business.

At the present time, the amount of loans are equal to the investments, so a good return is indicated. This is a good time to put your extra money to work in your credit union. Drop into the office for an explanation of the function of your credit union.

TEK TALK



VOL. I NO.11

SEPTEMBER 1952



MILTON BAVE, one of the owners of Tektronix, is on the Board of Directors and is a Vice-president of the company. He is in charge of all mechanical production and hires all personnel in connection with the Shop.

Born in Ohio, Milt graduated from Mentor High school in 1935 and worked from 1936 to 1939 for the Ohio Rubber Company in Willoughby, Ohio. This company made all sorts of rubber items for the industrial world but specialized in rubber floor mats and running board mats for cars. Milt also worked on installations of airbrake equipment on diesel trucks and tractors for the Euclid Road Machinery Co. in Euclid, Ohio.

In 1943 he was drafted, by a quirk of fate, into the Coast Guard. While training at the Coast Guard center, his high IQ and grades in the aptitude tests decided his training as a radio technician, but his interest still bordered more on the mechanical side. Having had the highest mechanical ability rating in a group of several hundred radio technicians, it is no wonder that this fact, combined with his natural talents in that line, should find him in the type

Cont'd on P. 8

NEW INSTRUMENTS DISPLAYED AT SHOW

The Western Electronics Show was held at the Civic Auditorium in Long Beach, Calif. during the week of August 25th.

New instruments about which we have been hearing so much recently were on display. Also displayed were the standard and already known Tektronix products.

HOWARD VOLLUM, DEANE KIDD, and DICK ROPIEQUET, Engineering Department, and DAL and SCOTTY from Sales attended.

The Western Electronics Show is held each year in conjunction with the convention of the members of the Institute of Radio Engineers comprising the members of the seventh region (11 western states).

* * *

FIRST YEAR COMPLETED

The Transformer Department started its second year of operation in the new plant on August 28.

HOBBY SHOW

September. A magic time of the year. Autumn leaves, birds flying south, kids back to school. A time to settle down after vacations, go back to work and look forward to the long evenings when we may again have time for our hobbies.

September of this year is particularly intriguing since the **TEKTRONIX HOBBY SHOW** takes place on the twentieth, and, although something new for Tektronix, it has taken on surprizingly large proportions and should be anticipated with great interest.

It has taken the combined efforts of fourteen people to bring together this large assembly of displays and we feel this group, the hobby committee, deserves our praise for making possible one of the most unique and interesting shows ever seen. Of even greater importance are the

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SEPTEMBER, 1952

EDITOR Blanche Cook
CONTRIBUTING REPORTERS

Marian Arnold
Vern Bartlett
Jack Clark
Jerry Mayer

Bill Muessig
Ida May Norby
Dorothy Reeves
Ken Walling

PHOTOGRAPHERS

Ed Egan
Milt Bave

TEKTRONIX TWOSOMES



Ranking latest as Tektronix twosomes are JACK and NEVA NEFF. They were married on July 20 and honeymooned at Victoria, B. C. and Mt. Rainier.

Jack's schooling included Beaverton High school and Lewis and Clark College. He will attend college again (part time) this fall if he is not drafted.

His work previous to Tektronix was gardening and other outdoor work. Jack has been here since last September, and has worked in the Transformer Department The entire time.

Neva attended Forest Grove High school and Biola College in Los Angeles. She taught

kindergarten at Cedar Mill Village Baptist Church for two years, the last year of which she also worked here.

Neva started in July '51 in the 514 Group and in November took duties in the office as night receptionist and switchboard operator.

Both enjoy outdoor sports as a hobby. Neva also enjoys music, while Jack has a record collection and rides a motor cycle. Jack and BOB COGAN have made several of the tape recordings for the music system.

Jack and Neva are living in Marlene Village at present.

* * *
BONNETS AND BOOTIES

HOWARD VOLLUM announced the arrival of his son, Charles Alfred, on August 12. The baby weighed 6 lbs. 14 oz. and was born at St. Vincent's Hospital.

WAYNE STRUTZ, Shop, is the proud father of a baby boy. David Wayne was born on August 12, weighed 7 lbs. 3 oz. and measured 21 inches.

* * *

WEDDINGS

On August 2, the First Baptist Church in Portland was the scene of the wedding of CARL DANNEHL, Stock.

BOB GEST, Stock Department, was married on August 16 in Forest Grove.

Another Tektronix Twosome....CHARL BAIL, Assy, and JOHN MATTHEWS, Assy, were married on August 29 in the parsonage of the Blanchard United Brethern Church.

* * *

NEW EMPLOYEES
and
TRANSFERS

New employees are DELORES BEALS, BOB CARROLL, KSENIJA "DIXIE" KAHN, VILMA LEETO, WARREN SMITH, and MARJORY THORN, Assembly; EMIL EVANS, Carpenter Shop; RICHARD WEIRICH, Shop; LORENZO BROWN and CY WOODWORTH, Stock; MARJORIE DAVIS, Transformer.

The following employees have been transferred as indicated: FRED HART, from Test to Sales; WAYNE DeVAUL, RON OLSON, and GENE SHERIDAN, from Assembly to Test; DON KEPLER and WALT SCHMITT, from Stock to Test; RUBY EVANS, from Assembly to Ceramics; HELEN ROSS, from Shop to Ceramics; and HENRY SCOTT, from Drafting to Engineering.

517 GROUP

Production of the 517 began about April, 1951. At first, MARVIN "WHITEY" EMMARSON started making the whole scope. Later, MARY CAUSGROVE, on sweep chassis, and TED GOODFELLOW, on amplifiers, joined him. Now the group has increased to a total of seventeen. WHITEY EMMARSON is group leader while ED KEIPKE, swing shift, and BUD BRISTOW are assistant group leaders.



L to R: H. Riley, G. Montag, A. Wynn, E. Ulrich, and M. Emmarson

WHITEY, a Navy man of six years standing, was at Pearl Harbor when it was attacked. His greatest interest is his car as one might observe when talking about the subject with him. His pride and joy is a smooth, sleek, shiny, ebony '51 Cadillac convertible. Whitey worked for Western Electric and Crown Zellerbach before coming to Tektronix in October, 1950. His hobbies include hunting, fishing and roller skating.

Rather quiet but always cheerful is ED KEIPKE. The swing shift knows him quite well---especially when there is anything they need. He served in the Marine Corps before coming to Oregon two and a half years ago from South Dakota. He has a wife, Lelia and three children, Larry, Marlis and Leslie. His hobbies are polishing agates, radio, and star gazing. Ed started to work in March of 1951.

ALICE WYNN likes hunting. Although she can't swim, she is a great water skier. Alice wears a life jacket when her surroundings get wet. She is originally from Kansas City, Kansas and has worked here since September, 1950. Alice has been working on sweep and finaling almost from the time the 517 began.

Also working on sweep chassis, on swing shift, is DOROTHY GARRISON. She said she doesn't have time for any hobbies because her two children, Danny, age 13, and Darla, age 10, keep her busy. She is also redecorating her

home. Dorothy was a car hop at Ming's Drive Inn before starting to work here in March, 1951.

KENNY BEALS worked at Weisfield Jewelers in Pullman, Washington before coming here. He decided to move to Portland in June 1952 when he joined the Tektronix staff. He and his wife, DELORES, like to fish and bowl. Delores, one of our newest employees, started working for Tektronix on August 20.

GLORIA MONTAG just said "I do" on July 5 to DICK MONTAG of the 514 group. She has worked on sub assembly but at present is wiring amplifiers. Gloria is a native Oregonian. She graduated from Milwaukie High school and attended Vanport for two years before coming to Tektronix in July, 1951.

Here is a salute to a great fisher woman HELEN RILEY. She spends her weekends at it but please don't ask her how many she has caught. She generally takes her husband George, and two little daughters, Kathy, six and Georgene, four, with her. She acquired her electrical experience in the aircraft department while serving in the WACS. She can be found working on amplifiers on the swing shift. Helen has been with us since May, 1951.



L to R: J. Siddens, K. Beals, D. Garrison, E. Keipke

JOHN SIDDENS has hopes of staying at Tektronix. He recently purchased a lot by the plant and wants to start building in the near future. His wife, Susan, and son, Douglas will be two helpers on this project. Before starting to work at Tektronix in October, 1951, he graduated from Pacific University at Forest Grove. He is our finaling man on swing shift.

One of our newest employees on the high voltage oscillator chassis is EDNA ULRICH. Edna has worked in several dress shops and says this is very different but interesting work. She has two children, a boy and a girl. Her husband is quite well known to the people of Cedar Hills because he is their mail man.

Cont'd from P. 1

people entering exhibits. Their diversified hobby interests make possible the wide variety to be displayed.

Hobby chairman VERN BARTLETT informs us that there are so many entries covering so many types and phases of hobbies that it is impossible to describe them all here. However, a few will be mentioned to convey some idea of the extent of the show.

Have you ever walked into a picture? You will feel you will be able to do this when you see MILT BAVE'S three-dimensional color slides projected on the screen. This effect is accomplished thru the use of polaroid glasses thru which you will view the scenes. The three dimensions reach out in startling reality.

Have you ever seen a rock shining in glorious color? BUCK MURPHY will show you how it's done. He will display several minerals which, when exposed to ultra violet light, will fluoresce in brilliantly beautiful colors.

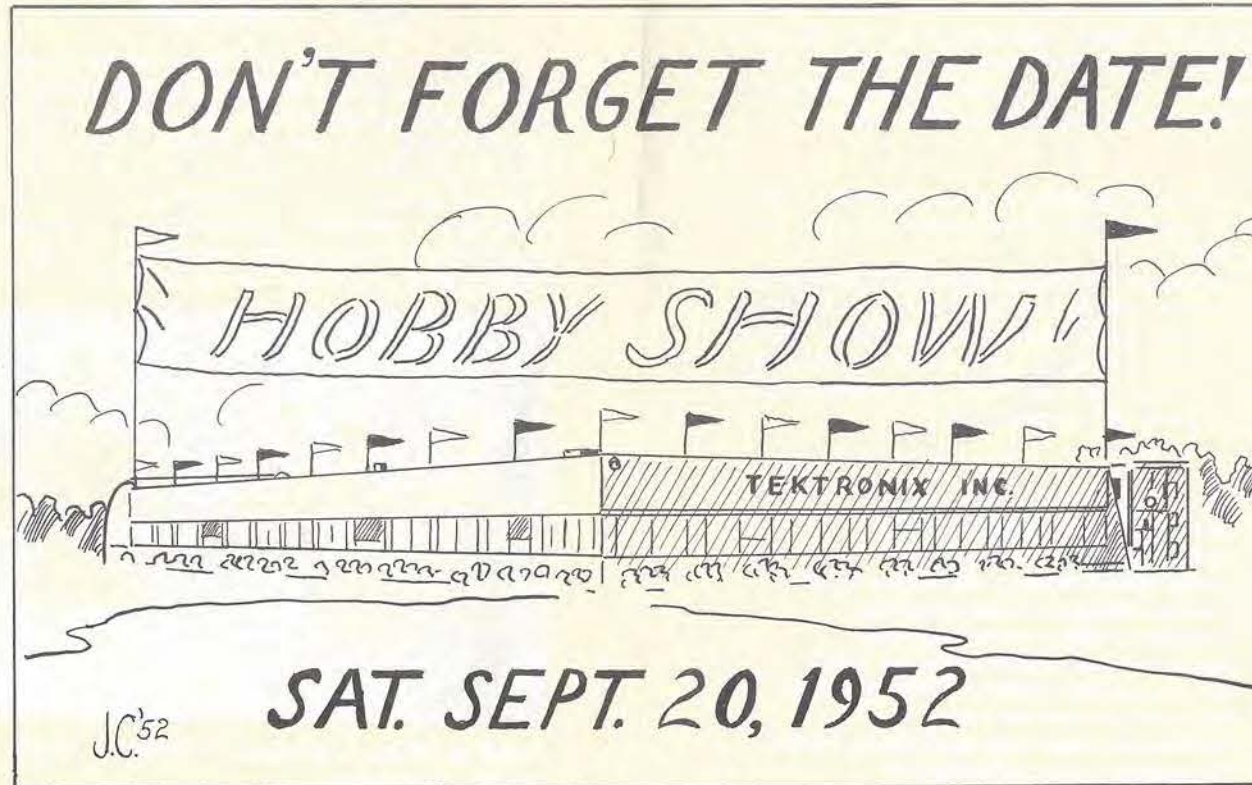
Have you ever talked on the radio? You will get the chance September 20 when you see BILL JOHNSON and BURT EBERLY operating their "ham" radio transmitters and receivers. You will watch them "working" each other and outside stations and will be able to arrange a conversation thru their "rigs".

You will see model airplanes from tiny ones to a giant with a nine foot wingspread. This one will eventually be radio controlled. SLIM SORENSON is building the plane and ROGER HAIGHT the radio control. They will be able to put the big model thru all standard flight maneuvers completely by radio.



Hobby committee, front row l to r: Irene Wilson, Ruth Wells, Ellen Burton, and Norma Caufield. Back row l to r: Jack Clark, Ed Egan, and Harry Stewart.

Several people will be working at their hobbies during the show. EARL GROVE will be weaving at his loom, BOB JOHNSON showing how to tool leather and HOWARD GAULT



demonstrating metal engraving.

HOWARD VOLLUM will be there, demonstrating his vital interest in sound recording. It is Howard's great ambition to perfect the technique of recording sound on tape with the highest fidelity possible and the results he has achieved thus far are amazing. He will have his equipment set up in the conference room so all may hear the perfection he has attained in this field.

Photography will be well represented with 35mm. color slides galore, black-and-white and oil colored photos and photographic equipment. BOB WHITE will show his 35mm. movie projector which, with the exception of the lenses, was built entirely by himself. He will also show the 2 1/4 by 3 1/4 enlarger which he has made.

There will be some very interesting electronic equipment displayed including a sound recorder using a light beam to record on movie film. This was made by FRANK HOOD. Public address systems and record players made by hobbyists will be seen.

Model railroad fans will display their equipment. You will see a historical model train, a caboose you could hold in your hand, and equipment from foreign countries.

in song and comedy.

The second event but not the least important will be a demonstration of square dancing, weather permitting, outside the plant in the parking area adjacent to the shipping department. A square of Tektronix people will show how it is done and all who care to will be able to join in the fun and dance the afternoon away. Modern dancing will be mixed in with the square dancing, also.

The committee has been geared into an efficient unit for gathering and locating display material throughout the plant. How this will be handled will be announced later on the bulletin boards, and all entrants are urged to follow this plan to insure efficient distribution of displays.

"Do Not Handle" signs will be placed throughout the displays and the committee will oversee each section during display time, making every effort to protect all entries from possible damage. Time, work, research and money have been spent on these hobbies and represent much value to the owners, and the committee requests that every one respect this fact.

The outstanding feature of the entire hobby show is the fact that all entries, stage show and square dancing are entirely within the plant personnel.

This fact coupled with the enthusiasm shown by all participants will, the committee feels, help to create a greater fraternalism among Tektronix people, management and employees alike, and help to bring together the hobbyists who would perhaps never get together otherwise.



Hobby Committee, front row L to R: Evelyn Johnson, Gladys Koch, Doris Kelly. Back row L to R: Jack Henderson, Jack Clark, Joe Gayton, Bob White.

So let's all turn out for the TEKTRONIX HOBBY SHOW, September 20, at 2:00 P.M. and see the greatest free show we have ever attended.

There will be paintings, wood carvings, salt and pepper shakers, cartoons, old magazines, antiques, ceramics and even dolls.

Among the doll collectors will be VERNA DOBSON, DORIS KELLY, who will show one seventy-five years old, and JUNE BASS who crocheted all the clothes for her dolls.

Stamps, coins and bills will be represented and sculpturing will be shown by KATE PROBSTFIELD.

JOE GRIFFITH will give a demonstration of glass blowing.

The sports field will be well covered with a display of archery equipment, hunting and fishing gear, including gun stocks made by NILE THAYER and a power, or crossbow made by JOE GAYTON.

This resume brings you some idea of what you will see at the HOBBY SHOW, but to see is to appreciate, and we feel that this is a show you will not want to miss.

Two events will top off the show. The first is the "HOBBY REVUE", a stage show of seven acts, all of which are based on hobbies and will demonstrate how hobbies can be developed into real entertainment. You will enjoy music, puppetry, comedy, magic and folk songs. The Gay Nineties will also be presented



L to R: M. Lofton, H. Au, G. Gasser, M. Bave, and B. Webber

Winners of the 1952 Tektronix Golf Tournament are pictured above. First prize trophy went to MILT BAVE who had the net score nearest par. Milt also made a birdie and an extremely long putt. BILL WEBBER won a trophy for score nearest average. Third prize, a skimmer, is worn by MEL LOFTON as he had an eagle. HAWK AU received fourth prize, three golf balls, for the longest putt. GRACE GASSER made the highest score and was awarded an extremely large tee for booby prize. JANE GRACE was awarded thanks and appreciation for arranging the tournament.

CHATTER

"Who is BILL McCHORD?" In answer to this question, which has been asked many times, we reply---Bill is the contractor for the new building.

KEN WALLING and BILL CAUSGROVE, Printing Department, thank all those who helped get the catalogs out to be shipped for the Western Electronics Show in Long Beach.

Due to a serious operation, one of our Shop machinists will be missing for some time.

LEE PENSON was forced to undergo the delicate surgery made necessary by an illness incurred some years ago. A section of bone was removed from his hip and grafted into the spine.

Because the recuperation period after such an operation is quite long we will not see Lee back on the job for approximately six months.

KATHYRN BARTMESS and her daughter, Lenora, attended the Junior Achievement Conference in Valley Forge, Pa., the last

week in August. Lenora was a member of the Achiever's Bank, sponsored by the Bank of California, and was elected delegate. They stopped in St. Paul, Minn. to see Kathryn's brother, whom she had not seen for 21 years.

* * *

There is another hood in the Shop. This one is in the Paint Department, hanging over the ovens.

Designed by MEL LOFTON and made of galvanized metal, the hood is connected by a duct to the paint booth exhaust stack and is actuated by a damper. The hood carries away paint fumes when the ovens are opened after baking paint on cabinets, etc.

* * *

I do not drink; I do not swear
For cigarettes, I have no flair.
I do not gamble--I'm too tight
A loss would mean a sleepless night.
I am no bridge or mah-jong fan;
I wouldn't vamp a married man.
But with these virtues, I'm no saint
For on my life, there stands one taint--
My coffee in the morning.
It takes two cups and sometimes three,
To pep me up to such degree
That I may hobnob thru the day
With all the folks that come my way.
To keep my disposition fun,
To deal with in-laws on the square,
There are some things I can forgo
And settle down in poor man's row.
Can watch my neighbors' rise and fall,
And yet no evil thoughts recall
But still my life holds one dark stain
For I must have through shine or rain--
My coffee in the morning.

* * *

The world is like a mirror
For it reflects everything you do
And when you face it with a smile
It smiles right back at you.

* * *

A good way to keep your youngsters out of the cookie jar, we're told, is to lock the cupboard and hide the key under the soap in the bathroom.

* * *

The following correction recently appeared in a small town newspaper:

"Our paper carried a notice last week that Mr. John Doe is a defective on the police force. This was a typographical error. Mr. Doe is really a detective on the police force."



Cont'd from P. 1

of work he is enjoying at this time.

After formal training in the east he was sent to the 13th Naval District. It was here that he met JACK MURDOCK and helped construct radio communication equipment and repair facilities for the Portland Area operation of the Coast Guard.

Mrs. Bave was a radio dispatcher in the Coast Guard when Milt met her, and they were married in June, 1945. Milt finished up his C.G. activities as radio technician at Neah Bay, Washington.

After discharge from the service in February, 1946, they took a 17,000 mile trip, covering six months time around the United States, making a photographic record of the trek with many interesting pictures taken in all parts of the country. It was on this trip that Milt took a Kodachrome shot of the Grand Canyon that won for him second prize in a national photography contest sponsored by the Union Pacific Railroad.

Upon completion of this trip, development of the first 511 had reached the point where Milt's help in working out the mechanical problems was needed. During early production his wife wired chassis for the company. She made all cables and helped assemble the first fifteen 511's made and was surprised that to this date none had gone up in smoke!

Milt's manual dexterity, combined with a keen and inquiring mind also found expression for Milt in several interesting hobbies. These hobbies include oil painting--which Mrs. Bave also follows when she can find the time from

the raising of their two boys, Peter, 4, and Brent, 1 1/2; furniture making (Milt hopes someday to furnish their home with furniture he will have made); astronomy--he ground his own 6" reflector by hand; photography--Milt built his own stereo projector a couple of years ago; gardening, golf, archery and model railroading.

Mrs. Bave commented recently that when their son, Peter, was a year and a half old, Milt bought Peter an electric train for Milt.

When playing golf, Milt uses a cross-hand hold on his golf clubs that, although against all accepted rules, is none the less very successful. In fact, Milt won the 1950 and 1952 Tektronix open golf tournaments. In 1952 he also sank the longest putt but was refused more than one prize in the same tournament.

Milt's mother was a piano teacher, and Milt has had extensive musical training. His interest is high in the artistic fields and music, although he recalls that he was known in his neighborhood when a youngster as the "Fixer", and would rather repair things or play baseball than practice the piano.

Milt is very serious about his work at the plant and is constantly searching for better ways to do things and expedite the production under his jurisdiction. He is continually seeking the highest quality in tools and equipment to aid in making the best possible working conditions. He is never too busy to listen to ideas or problems, either production or personal; and he is noted for his ability to put everyone at ease with whom he talks. He is always ready with praise for a job well done, or with experienced advice when it is needed.



The picture to the left shows radio equipment Milt Bave helped construct for the Portland Area operation of the Coast Guard. Mrs. Bave is the radio dispatcher.

TEK TALK



VOL. I NO.12

DECEMBER 1952

SYRACUSE OFFICE



The Syracuse Branch Office was established in July to provide service to customers in upper New York State and the adjoining part of Canada. BYRON BROMS as Branch Manager represents Tektronix in this area. EVELYN DUNHAM, a capable secretary, keeps the office running smoothly while Byron is in the field giving assistance in instrument operation and demonstrating new products.



Byron Broms

524, 315 IN PRODUCTION

Production started on the 524's during the first week of November. Approximately 20 instruments have been made on the pilot run during the past several months. The first ten 524's of the pilot run were for the Engineering Department.

LEONARD MASON is the group leader and is assisted by GEORGE SCOTT. GRACE GASSER, BARBARA EKSTROM, SELMA KNUTSON, and MARY JANE FANNING work on sweep and power. KAY BARKER and FRANCES TRAVER are on vertical amplifier. In miscellaneous assemblies are REGGIE GREEN, MARJORIE THORN, and BETTY GLASNAPP. DONA KIDD is in mechanical assembly. FRANK LUCERO and JOHN SIDDENS do the final assembling.

The 315's are also starting in production. Ten instruments were made on the pilot run, and approximately 50 instruments will be made in the near future for the first production run.

Group leader is JOHN LARSON. His assistant is CHARLES JAY. Others in the group include ROSE AVERY, HARDA KAUK, DORIS KELLY, CLAIR KIDD, DICK MONTAG, GLORIA MONTAG, IRENE PARSONS, HELEN THOME, and PEGGY WHOOLERY.

* * *



Evelyn Dunham



VOL. 1 NO. 12

DECEMBER, 1952

EDITOR Blanche Cook

CONTRIBUTING REPORTERS

Marian Arnold	Doris Lewis
Darlene Adams	Will Marsh
Vern Bartlett	Ida May Norby
Ellen Burton	Scotty Pyle
Jack Clark	Eleanor Ross
Don Ellis	Jerry Strutz
Irene Garvey	John Taylor
Earl Grove	

PHOTOGRAPHERS

Jack Cassidy	Ed Egan
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TEKTRONIX TWOSOMES



GLORIA and DICK MONTAG became Tektronix Twosomes on July 5th when they exchanged vows at Sellwood Baptist Church. As nearly all weddings have some amusing incident to be remembered, Gloria's and Dick's was no exception. The wedding music was playing, and the wedding party was lined up ready to enter the church. The little flower girl, having enough trouble keeping her head-dress on, stepped wrong and caught the edge of her slip. The snaps on the shoulders let go and the slip fell to the floor, followed by her head-dress when she moved too fast to see what had happened. Amid much confusion, she was hastily dressed, and the wedding went on as planned.

Gloria and Dick both work in the 315

Group. They came to work in the summer of 1951.

They are native Oregonians. Gloria went to Milwaukie High and Vanport College. Dick graduated from Lincoln and spent three years in the Air Force stationed in Texas and St. Louis, Mo.

Dick's hobbies are radio and woodworking. He is now making a lamp for their new home in Beaverton.

Gloria collects salt and pepper shakers and china cups and saucers.

Their most important mutual hobby is improving their large lot and new home.

Gloria wants everyone to know that her family takes up much time and are a great bother. The family--Mousy and Patter--are beautiful cats. What kind?---just cats.

* * *

KENNY KING has left the 511 Group to do job instruction in the wiring and assembly department. In his new job, Kenny instructs the class for prospective employees and gives new employees one month concentrated training in the fundamentals of soldering, assembling and wiring. He also assists the old employees in standardizing methods and is coordinator between Test and Assembly. HAROLD EDMUNDSON is the new 511 group leader, and BOB JOHNSON is his assistant.

* * *

During "National Employ the Physically Handicapped" week, WERNER RASSMUSSEN and MILES TIPPERY appeared on the Patti Cook show on station KPOJ.

Werner told the radio audience how he got work at Tektronix and how important it is to handicapped people to get employment.

Miles said Tektronix has employed 15 physically handicapped people during the past two years and that these people are doing an excellent job.

* * *

NEW EMPLOYEES

New employees include JOHN HEWITT, DONA KIDD, ELAINE KINSMAN, AINO KUBARSEPP, JOHN MULVEY, FRANCES RINEHART, LOISSCOTT, CLYDE SYLVESTER, and LENORE "LEE" WAGNER, Assembly; IRENE GARVEY, Personnel Dept.; LAUREL ZIRSCHKY, Porcelain Dept.; COLMAR "CAL" BJERKE, JIM PEABODY, and GERALD STRUTZ, Shipping; JIM BOYLE, Shop; BILL DEGNER, DON LARSEN, MADGE MCKAY, and VERNON WALKER, Stock; GRACE GIBSON, Switchboard; VIC FRICKE and CHUCK GIBSON, Test.

HIKERS FINISH TRIPS OR TRIPS FINISH HIKERS

BY MILES TIPPERY

Last spring some twenty Tektronixites travelers began to develop itchy boots and feel the call of the wilderness. A meeting disclosed much interest in exploring our primeval forests, rushing streams, and high mountain meadows. MARIAN ARNOLD, JOE GRIFFITH, DERROL PENNINGTON, BOB POULIN and MILES TIPPERY were chosen as a committee to select hiking trails and plan the trips.

The first party of thirteen assembled at Eagle Creek forest camp and in the highest spirits and beautiful May weather, filed up the gentle Eagle Creek trail. After passing several magnificent waterfalls, skirting high cliffs, and visiting the Punch Bowl, no one objected to lunch at the High Bridge. As more beautiful scenes and more mileposts were passed, the conversation began to lag, but the high spirits prevailed, and we finally passed under 200 ft. Tunnel Falls and on to a rocky beach where tired feet were cooled in the "world's coolest water". The return trip served to fix in our minds the many scenic spots, and especially to sharpen our appreciation of the modern automobile.

Our next hike began at Camp Creek Forest Camp near Mt. Hood and led us up the Still Creek trail through a sparse young forest struggling to cover the scars of an old forest fire. The route was up a hot south ridge and although every permissible jacket, shirt and sweater had been stowed in the packsacks, we were delighted when the trail descended into the cool virgin timber of Still Creek Canyon. Here are found some of the finest specimens of Douglas Fir, Western Red Cedar, and Western Hemlock in this area.

Stormy weather plagued our two attempts to climb Saddle Mt. (near Seaside), but three persistent water-soaked hikers achieved the summit of this flower-carpeted but craggy peak.

A crisp Saturday morning in early July found us, sixteen strong, assembled at Spirit Lake. After partaking of the local hospitality (?), we swung sharply up Mt. Margaret trail through the marvelous Canadian zone forest, circled the north end of the lake, and began a long climb, punctuated frequently by

breathers. Of all the scenic features, the snow fed streams received most attention. Hikers thankfully lined the banks on bended knees with cups in hand.

After ascending 1500 ft. in three miles (some surveyor must have stretched his chain), St. Helens Lake, deep, sultry blue, and rimmed by mountains, was a most welcome view. Lunch duly observed, most of the group settled down to leisurely activities of wading, raft sailing, sunbathing, and photography, while a party of five adventurers set out for Coldwater Peak. The route was flanked by acres of avalanche lilies, then obscured by snowfields, and finally afforded an exceptional view of Mt. St. Helens and other Cascade peaks.

Six of our party camped out at Timberline camp ground and spent the next day at leisurely hikes and swimming.



Dr. MERLE MILLER effects emergency repairs for mountaineer MARJ DRAIN.

Fourteen would-be mountaineers undertook our last and most ambitious trip to Mt. Hood's Paradise Park via the chair lift and Mississippi Head. Finding the lift stopped for repairs, it was bravely (and innocently) decided to climb up anyway. How our opinion of Mt. Hood's stature grew. But the long, trying climb was amply repaid by the thrill of sliding down snowfields into flower-carpeted Paradise Park.

After exploring the park, admiring and photographing the many species of wild flowers, and consuming lunch number two, we began the long descent into Zigzag Canyon. The final four miles were made with the most welcome aid of a full moon.

Overheard on the trail--"Have some of this sunburn lotion?"--"No thanks, I just never sunburn."--also, "This mountain country makes one really appreciate nature." "It makes me really appreciate civilization."

CABLE DEPARTMENT

The Cable Department consists of ten girls who lace the color coded wires to make a cable or harness which fits the chassis of the different instruments. The girls take pride in the quality and accuracy of their work.

Three girls are single and seven are married. Home building is the main interest and probably the reason for all the married girls working. It is also interesting to note that the girls are all the same age, or claim to be. A little past twenty-one.

LILLIAN WALKER was a cutter at the Pacific Garment Company before coming to work in April this year. She went to school in Missoula, Montana, lived in Minnesota, Idaho and Washington and is now settled here in Portland to stay with husband Johnny and three sons, Stanley, William and Johnny. Her hobby is sewing and looking forward to finishing their new home.

PANSY O'BRIEN has been in Cables for seven months, having also done mechanical assembly for 512 and 514 groups. She has been with Tektronix since October 1951 and previously was in the cannery business for 16 years. Now, with husband Desmond and daughters Sharon and Sheila, she keeps busy with the activated hobby of raising greyhounds. Salem is her hometown.



L to R: V. Crawford, L. Walker, P. O'Brien, J. Gage, and D. Lewis.

VIVIAN CRAWFORD was part of Tektronix Twosome featured in May issue of Tek Talk. She is swing shift group leader. Along with helping her husband Herbert work on their new home, her daughters Carol and Sandra still keep her busy during morning hours. Her ambition is to retire and raise chinchillas.

After four years at Bayly Manufacturing

Company as a power machine operator, JUNE GAGE came to Tektronix. She claims Valley City, N. D. as her home town and plays the organ and bowls in leisure time. Regardless of so many eligible men at Tektronix, she doesn't believe in Leap Year. Her ambition is to have a good answer for all the kidding she takes.



L to R: M. Lulow, R. Miller, A. Whitley, M. Clymens, and H. Davis.

MARY LULOW went to school in Omaha, Nebraska, later came to Portland with her husband Al and now has two children, Kathleen and Robert. She was a cashier at Sears before coming to Tektronix two years ago. Her hobbies are rose gardening and building a new home.

HAZEL DAVIS has been with Tektronix 2 1/2 years and is group leader for Cables. She graduated from high school in Coleridge, Neb., then went to art school for three months in the windy city of Chicago. Hazel has two sons, James and Jody, and left her housekeeping to come to work at Tektronix. Her hobbies are ceramics and interior decorating. She is looking forward to ice skating this winter. Hazel is buying a kiln so that she may follow her hobby of ceramics at home.

RUBY MILLER is a native of Australia and came to the United States in 1946. Her husband George works in the Small Instruments group. They have two children, Paul and Suzie Q. Ruby worked for DX Radio in Chicago before coming to Tektronix. Her hobby is sleeping. We love to hear our "war bride's" accent.

DORIS LEWIS has been cabling for over a year. A Portland girl, she attended Cleveland High and Lewis and Clark College. She did bookkeeping for Oregon Record Distributors before coming to Tektronix. Her hobby is

sewing for children, Frank, Vicki and Barbara. Doris and husband Leonard have a new home close to Tektronix.

MARGE CLYMENS attended State Teacher's College in Missouri, taught for a while, and then worked at Beach Aircraft before coming West with husband Carl. After a short period at Meier and Frank's, she came to Tektronix. Marge and Carl built their home together. They have a cat, Nicki. Marge's hobbies are her home and husband.

ARLENE WHITLEY is probably the most quiet girl in the plant. Her hobby is photography. She is also a very good cook. Arlene worked for Packages, Inc. before coming to the Cables Department at Tektronix.

WEDDINGS

Mari Le Burt and CLIFF MOULTON were married Saturday, September 6 at the Little Chapel of the Chimes in Portland. Their honeymoon was spent on the Oregon Coast.

Jeannette Seeley and BOB POULIN exchanged marriage vows September 7 at the University Lutheran Church in Seattle, then journeyed to the San Juan Islands for a two week honeymoon.

KAY ALLEN, formerly KAY WRIDGE, was married on September 27 in Vancouver, Washington. Kay and her husband, Delmar, spent their honeymoon in Eastern Oregon.

BONNETS AND BOOTIES

The GORDON ALLISON family numbers three following the birth of their first child on September 5th. The baby's name is Carol Ann.

Mr. and Mrs. FLOYD STEWART, Jr. received a fourth visit from the Stork on September 8th at 6:42 A.M. The expected visitor brought with him a 7 lb. 9 1/2 oz. baby girl whom the Stewarts have named Carolyn Susanne.

Mr. and Mrs. JACK GAETH are proud parents of a 7 lb. baby daughter, Linda Marie, born September 9th at Emanuel Hospital. Jack informs us the only thing the baby needs is a new set of golf clubs.

The score has been evened at the JOE GAYTON household with the arrival of another boy, James Daniel, weighing in at 8 lb. 2 1/2 oz. on September 10th.

Virginia and WALLY COUTURE announced the arrival of a baby boy. Daniel Paul was born on October 1 and weighed 8 lb. 10 1/2 oz.

KEN JACOBSEN, Stockroom, and his wife Dorothy are being felicitated on the birth of a son, Steven Jay, on October 10. The young man weighed in at 7 lb. 6 oz.

EMIL EVANS, Carpenter shop, is the proud father of a baby boy born November 6th. The baby, Emil Reis, weighed 9 lbs., measured 22 inches and was born at 6:31 A.M. at Wilcox.

It's a boy for the JOHN MULVEY family. Robert Allen weighed in at 7 lbs. 11 oz. on November 22nd. The baby has two sisters, Judy and Ginger.

Mr. and Mrs. JIM BOYLE are proud parents of an 8 lb. 2 oz. girl born November 22. Kimberly Diane has a brother Steven.

CREDIT UNION

Nearing the end of its healthy first year of operation, the Tektronix Federal Credit Union is making preparations to pay its first annual dividend. Over 200 self helping loans have been made during the past eleven months to some of its 215 members. The dividend is awarded share holders from the earnings of their investments. The rate of dividend is now being estimated and when determined will be submitted to the members for approval at the annual meeting to be held in January.

Assistant treasurer, DICK SCHMIDT, advises that withdrawing of shares before December 31 should be avoided to prevent any loss of dividend.

Credit committee members, CECELIA DAVIS, KEN JACOBSEN, and BOB STRUTZ meet Wednesdays to consider loan applications. One of these committee members may be contacted for loan information and it would be appreciated if applications were submitted before their Wednesday meeting time. For information on investments see DICK SCHMIDT in the Credit Union Office between 3 and 4 pm. He will gladly accept \$5.25 to make you a share holding member or arrange to have part of your bonus set aside as earning shares in the Credit Union.



YOU'VE WORKED FOR YOUR MONEY
NOW LET IT WORK FOR YOU
CREDIT UNION OFFICE OPEN:
3:00-4:00

BIG GUN IN THE TEST DEPARTMENT



Shown above is one of the big men from the front office checking the sales possibilities of ROD KENNEDY'S new testing tool, used for solving difficult troubles. Watching gun are SANDY SANFORD, ROD KENNEDY, and JACK HENDERSON.

NEW SHEAR INSTALLED IN SHOP

Recently installed in the Shop is the new Wysong Power Shear, a machine with several outstanding features.

The shear is powered by a three h. p. motor and is capable of cutting a six foot width of 12 gauge mild steel or aluminum up to 1/4" thickness, depending on the alloy.

The back gauge is precision made, ball-bearing, and is adjustable to 1/128 of an inch, making possible extremely accurate lengths.

It is possible to make single cuts automatically or continuous cuts at a cycle of 60 per minute.

The shear is equipped with a safety guard to keep hands away from the blade and is designed so that one man may cut any material with a minimum of physical effort, a decided improvement over the old shear.

DAL RETURNS FROM EUROPE

W. K. "DAL" DALLAS, Sales Manager, has returned from the Instruments and Measurements Conference in Stockholm, Sweden. While overseas, he visited our established distributors and called on prospective distributors for Tektronix products in other European countries. Tektronix has nine overseas sales outlets.

If MARJ DRAIN seems unduly busy it is excellent confirmation of the mounting interest in Tektronix instruments throughout the world.

SKATING

The Portland Ice Skating Club meets from 7:45 to 10 on Monday evenings. Those who are interested in joining the club should see MERLE MILLER in Stock.

The roller skating enthusiasts are planning on continuing their sessions. For further details see JERRY KRAKBERGER, Test.

BOWLING

The Tektronix team playing in the TV (Tualatin Valley) League bowls at 9 p.m. every Friday at Canyon Bowl near Beaverton. Paced by DON ELLIS with 229 and DON CALNON, 204, the team bowled a 902 scratch game, or 1089 with handicap, the league high team game of the year. CHUCK GASSER, DICK SCHMIDT, DICK TOLLISEN and ARMON McDOWELL are other members of the team.

The "Swing" League bowls Thursday afternoon at Rose City Bowl. The "Ten Pins" lead, followed by the "Head Pins", "Rockets" and "Jets".

The pins fly on Thursday evenings at Rose City Bowl when the "Slo-Blo" team guided by HAUK AU leads the "Day" League. Other teams in this league are the "Holy Bowlers", "Bombers" and "Transients".

HOBBY SHOW SUCCESS



Vern Bartlett, Chairman