

TEK TALK



VOL. 2 NO. 1

FEBRUARY, 1953



LOGAN BELLEVILLE, in case you didn't know, is the tall blond guy with bushy eyebrows who always looks as if he's going somewhere. He usually is.

Logan was born at an early age in Twin Falls, Idaho, which is a place where people live who like to look at the Snake River.

While in high school, young Belleville found out that people would pay him for repairing their radios, so he acquired a complete kit of service tools containing a screwdriver, pliers and a voltmeter. This work helped him defray cost of repairs to britches torn while climbing trees, poles, etc., on antenna-hanging projects. About this time Logan entered the young Edison Competitive for promising scientifically-minded boys, and was runner-up in the State of Idaho.

After graduating from high school in 1927 our young hero found Twin Falls lacking in promise, and ventured forth to California, where he worked in radio shops in San Francisco and Los Angeles. After a year or so, he found Southern California too damp and went back to "Twin". He became an operator at the local broadcasting station, finally rented and got an operator's license. He later established his own radio repair business. By 1935 he (or Bess) considered himself successful enough to marry. He and Bess soon moved to Spokane, where Logan worked for Spokane Radio.

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NEW OFFICE OPENING

Of interest to all Tektronix folks at headquarters is indication from J. J. CASSIDY, Eastern Division Manager, that our newest branch office, "Operation Boston", is expected to be in full operation by February 9, 1953. Genial JACK DAY, well-remembered by many hereabouts, will be in charge of operations, and assisted by Miss JUDITH M. PEASE, who joins MARGARET JOHNSON, JEAN O'BRIEN and EVELYN DUNHAM to augment Eastern distaff contingent. The territory served by the Boston Branch will comprise the states of Massachusetts, Rhode Island, Vermont, New Hampshire, Maine and portions of Connecticut. All hands join in extending congratulations and best wishes to Jack and Judith, as well as to JACK CASSIDY, in bringing this new activity into being.

The new Tektronix address in Boston is 18 Austin Street, Newtonville, 60, Massachusetts, and the telephone number Lasell 7-2212.

CREDIT UNION NEWS

By Scotty Pyle

Your Credit Union needs share capital to meet its loan requests. With all our available capital loaned and additional money borrowed, the share holders can look forward to an excellent dividend again this year. Even if you can save an additional five or ten dollars each month, this done by all members of the Credit Union will provide a large increase in loan capabilities. Why don't you consider the amount you're saving and earning now?

Your new "Credit Committee" is as follows: RAY GRECO, IDA MAY NORBY, and JOHN SIDDENS. Members desiring to make loans should contact one of the committee members.

Your Credit Union has reduced its interest rates on 1952 and 1953 automobile purchases, enabling members to realize greater savings on late model automobile purchases.



VOL 2 NO 1

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EDITOR Irene Garvey
CONTRIBUTING REPORTERS

Vern Bartlett
Vivian Brown
Norma Caufield
Jack Clark
Blanche Cook

W. K. Dallas
Wayne DeVaul
Will Marsh
Miles Tippery
Joe Vistica

PHOTOGRAPHER Ed Egan

TEK TALK HAS NEW EDITOR!

By Miles Tippery



Tall, brown eyed, IRENE GARVEY of the Personnel Department inherited the editor's desk of Tek Talk just in time to prepare this issue. Leaning over her shoulder is your retiring editor, BLANCHE COOK, who, judging from her satisfied, learned grin, must have just passed Irene a choice bit of journalistic advice, gleaned from her past year of holding the blue pencil.

The first issue was edited by Kit Vollum and Eleanor Lofton in May, 1951. Tek Talk was continued on a monthly basis when Blanche became editor in December, 1951.

One of the main reasons for Tek Talk is to help employees become better acquainted with one another. Another goal is to help our families and ourselves to keep up to date on developments within the plant and in the field.

Also, it has been helpful in presenting Tektronix history and policies.

It takes the combined talents of many people and lots of hard work to prepare our paper, and Blanche says, "Thanks to everyone for the wonderful aid and cooperation. I hope you will help Irene to build a bigger and better Tek Talk in 1953."

* * *

NEW EMPLOYEES -- TRANSFERS

We are happy to see DON KEPLER has moved out of the darkness of the Test Department to lend his able assistance to the Administrative Department as of February 1st.

CHUCK GIBSON left Test for the Sales Department as of the first of the year, and on January 28 moved to New York where he will be our Eastern Division Service Man.

FRED HART of the Sales Department bid fond farewell to the Front Office as he left for the Eastern Division on January 28.

JOHN MULVEY transferred to Test from Assembly as of the first of January.

JOHN DURECKA traveled cross-country to join us on December 3, and is currently in the Test Department. JOHN LIEDTKE brought his physics and engineering background to Tektronix on January 9, and is presently located in Assembly. MAE DAVIS spent her few working years in the movie industry before joining our Sales Department on January 5. The latest addition to the Sales Department is JUDITH PEASE located in the Boston Office. Panel Craft in Sellwood acquired LOIS RIESCHEL on January 19.

* * *

BONNETS AND BOOTEES

SID JONES is the proud father of a second son born November 28 named Larry.

Joan and ARCHIE YERGEN's firstborn is a boy Carl, born on November 28.

Helene presented WALT SCHMITT with a baby on December 23 that met all specifications; namely, that Michael Louis be a boy.

Christine Ann arrived on January 9th, just short of Daddy MIKE PARK's birthday.

* * *

NATIVE INTELLIGENCE

They say it takes all kinds and sorts
of men to fill a world,
It takes all kinds and sorts to build
a nation tall;
But every child whose fingers once
around his dad's have curled
Knows fathers are the most important
of them all.

ACCOUNTING DEPARTMENT



Les Stevens, Bob Leipzig and Lou Witter

The Accounting Department is one of the main instruments that keeps Tektronix Welfare flying high -- its data enabling Planning, Production and Sales to follow the beam to a sound and profitable landing.

Records maintained in accounting indicate whether or not we are operating at a profit, to what extent, and the reasons. They guard against loss and waste, point out any rise in costs, and call attention to any decline trends, isolating the reasons for possible and immediate rectification. We all appreciate the conscientious efforts of our accountants, and are happy with the results they achieve -- but delighted mainly at the individual slips of tangible evidence of their work distributed on time twice a month.

LOU WITTER came to Tektronix in March, 1949 with a golden background of experience in accounting, auditing and office management. Educated in Iowa, Lou went to the Isle of Pines, south of Cuba, following his chosen profession. During his ten-year stay among the Pines, Lou met and married Claudia who had been teaching school, and they later moved on to Port Arthur, Texas, where Lou served as city clerk for about eight years. From Texas, Lou and his family moved to Oregon, and he went to work for a CPA, doing general auditing for fourteen years. The same CPA set up Oregon's Liquor Control Commission, and Lou served as office manager for the commission for eight years, after which he worked as internal auditor for the Albina Machine

Works during the entire period of World War II. Finally, after a well-earned vacation, Lou came to Tektronix, and is now in charge of the Accounting Department. Lou has only recently set aside rod and reel and golf clubs, and substituted a set of paint brushes to dabble in the art of interior decorating in his spare time.

BOB LEIPZIG left his accounting job at Hyster Sales to come to Tektronix in April, 1951. Bob, a native of Oregon, earned his BA degree at Portland University, after serving four years in the Navy, and then attended the University of Oregon for two years, majoring in accounting. Having for many years participated actively on the gridiron, in basketball and many other sports, it is only natural that Bob be eagerly awaiting and preparing for the day his two husky sons Kurt and Mark carry the ball, while he and wife Jo coach from the sidelines.

LES STEVENS spent over a year in the Navy before attending and graduating from the University of Oregon in Business Administration...then a year in charge of the Finance Department at the Salvation Army. He came to Tektronix in October, 1951 to join forces with Lou and Bob, who were more than ready for his arrival, welcoming him with widespread arms loaded with paper work. In short order, Les contributed much to the best interests of Tektronix, including the introduction of MARY-ELLEN ANDREWS to the Sales Department. Les' outside interests include music, and despite his modest reluctance to admit any musical talents, we understand on good authority that he is an accomplished musician, and has played almost every known brass instrument. Currently he plays the baritone horn with a good-sized band of a downtown men's fellowship, and was recently honored with the position of vice-president of the band.

At present, it would appear that both Les and Bob consider their work their recreation, at least until all federal and state income tax returns are completed in spring. And then -- we have no authoritative source for the prediction, but -- they may possibly play a game of golf again.

To save others countless hours of work, plus possibly for more ambitious reasons, Bob and Les have set up a temporary office in Beaverton, across from the Beaver Theatre. Their hours are to ten o'clock each weekday evening, and from nine a. m. to six p. m. on Saturdays. Tektronix people may, if they so desire, leave their income tax problems with Bob or Les any day during lunch period.

This income tax service is not sponsored by Tektronix, but is being handled on a completely independent basis.

TEKTRONIX TWOSOMES

AC-DC and Their Current Relationship

By Wayne DeVaul



No, folks, this article has nothing to do with the shocking potentials of electrical pulses, but we may find something about how another Tektronix twosome, AGNES and DON CLIFFORD, came to be working with us.

AC-Agnes, since September, 1951, has been operating a coil winding machine in the Coil Department. It is quite evident that the quality of her work is surpassed only by her pleasant manner, and we are very fortunate that she left the Columbia Markets and Fred Meyer Stores to come to work with us. Before coming to Portland in 1941, Agnes called Great Falls, Montana, her home. Now, however, a Marlene Village home with Don takes up her time away from Tektronix. When not too busy with housework, she is all wrapped up in her hobby, home movies.

DC-Don started with Tektronix in April, 1951, in the Assembly Department. By July he was advanced to cycling and, after a year there, he was initiated into the "Disorder of Cavemen", Night Chapter. He is presently engaged in test and calibration of the 513D, although he is also familiar with the procedure on the 511AD, 512 and 514D. Previous to his present duties here at Tektronix, Don was engaged in the neon sign business, chrome plating, dictaphone service, and also in the service of the U. S. Navy as a Quartermaster. He attended Multnomah College Radio School for 18 months just before coming to Tektronix, and, a native Portlander, his ability is based also on training received in pre-war Benson

Polytechnic High School.

Don's interests away from work include a love for the classic works of Bach, Brahms, et al. We wonder how much encouragement Agnes gives pet Cocker, "Red", in any attempts to voice approval or dismay at Don's choice.

* * *

A FOX ON SKIS

By Norma Caufield

*

A group from Tek one day went up
To Timberline to ski;
Their style and technique, so I'm told
Was wonderful to see.

Pert LOIS CAMPBELL and HELEN THOME
Around the countryside did roam;
But as the day was near an end,
Toward home they thought their way they'd
wend.

GENE SHERIDAN had lots of fun
And so had DONALD BURKEY,
But poor DICK FOX was just the one
That day to pull a "Turkey"

"One last time down the hill", he cried,
"Before we head towards home".
(And just to show how good he was
he slid down on his dome.)

He slalomed left--no, right--no, left.
They thought for sure he was bereft.
He did a cartwheel, one leg dandle,
No one to him could hold a candle.

His style of "Christie" was unique,
His "schussing" left no word to speak.
At fancy stunts he had no peer
(You see, he really couldn't steer).

So, if you want some lessons in
How really NOT to ski,
Just ask DICK FOX, in Accessories Group,
Back at Timberline he'll be.

* * *

ARLENE WHITLEY and WHITEY EMMARSON were married on January 16. Congratulations, and many happy years ahead.

* * *

Let your wife know from the start who is
the boss -- there's no use in kidding yourself.

TO BE OR NOT TO BE --
BROKE?

By Joe Vistica

It is easier to live within than without one's income. So the Visticas have a simple budget plan that works, and as many have indicated a strong desire to learn how it's done, it is offered as follows for what it may be worth to anyone else.

1 ALL BILLS	2 3 YRS.	3 2 YRS.	4 1 YR.	5 6 MO.	6 3 MO.	7 1 MO.	8 BI-MONTHLY
INSURANCE FIRE, HOME	40.00						.56
INS. LIFE			120.00				5.00
INS. LIFE				14.00			2.33
ELECTRICITY						8.50	4.25
FUEL						15.00	7.50
TOTALS	40.00		120.00	14.00		23.50	19.64

First, list all foreseeable bills in a column headed #1. Line up columns #2 to #7, indicating the period of time the payment covers, from, say, three years to one month. Write in the full amount of each due bill in the column provided for its corresponding period. After amounts are inserted in the various period columns, divide the full amount of each bill into bi-monthly installments, and write in the quotient in Column #8.

As an example, fire insurance comes due every three years and may cost \$40.00, which amount should be listed in Column #2. Divide the \$40.00 by the number of pay periods (72) in three years, and the answer of \$.56 is the amount that must be saved each payday to meet this particular bill when it comes due.

After all foreseeable bills are broken down in the same manner, the total of Column #8 is the amount that should be saved each payday to meet all fixed expenses.

This plan may also be applied to medical and dental expenses, basing the amount to be reserved on past needs.

Most other expenses can be handled on a cash on hand basis, with a separate record maintained of expenditures for items such as food, car expense, church and charity contributions, dry cleaning, entertainment, gifts and miscellaneous.

CAR		WITHDRAW	DEPOSIT	BAL.
DATE	ITEM			
1-3-53			10.00	10.00
1-5-53	GAS & OIL	4.50		5.50

The amount to be reserved for each item is

determined by experience, and can be built up gradually over a period of time so no great burden will be noticed. Each payday each fund is replenished in accordance with what was spent. If a heavy drain is made on any one fund, it can be replenished gradually, with expenditures limited until it is replenished.

For clothing, money may be drawn from the bank savings account, and re-deposited in small installments.

If, in reserving the necessary amount for current expenses each pay period, there is an insufficient amount to cover the reserve needed for the foreseeable, or fixed, bills, the shortage can be made up at bonus time, and it is better to predetermine any such shortage and make up the difference from a current bonus check for the future six months rather than the previous six months.

If there are any questions, I will be glad to discuss this plan at greater length.

* * *

It's good to have money and the things that money can buy, but it's good, too, to check up once in awhile, and make sure you haven't lost the things that money can't buy.

* * *

"TEKTRONIX FOURSOME"

"You're All I Want for Christmas", sang LORENZO BROWN of Stock to FAYE VAN DIEST of Assembly, 514 group, clutching his bonus check, and with commendable foresight eyeing the five-day Christmas holiday marked off on the calendar. And so they were married on Saturday, December 20 at an inspiring candlelight service in the House of Van Diest in the presence of close friends and relatives and two ministers. (Further indication of foresight.)

The lovely FAYE wore a smart soft-grey suit with a white frilly blouse and red accessories, and carried red and white carnations, looking as though she had stepped right out of a Christmas greeting card. The Christmas motif was carried out completely in the house and wedding cake decorations.

Happy as the young marrieds were as they drove away in a northern direction to spend their honeymoon, they were no more highly elated than their mothers TRESS VAN DIEST in Assembly, Accessories Group, and VIVIAN BROWN of the Snack Bar, who one might suspect had together plotted the whole thing.

Our heartiest congratulations, FAYE and LORENZO, and may your future be a long and happy union.

SHOP TALK

By Jack Clark

A recent survey in Shop on swing shift revealed that most folks spent their time (time being all that was left) during the holidays watching television, or taking short trips to visit friends and relatives (SLIM SORENSON considered taking a long one-way trip after reviewing holiday costs.) BUD SIEGEL skied at Mount Hood. BILL JOHNSON and WALT ZOUCHA seem to have eaten their way through the holidays. And Bud skied. Some indulged in favorite hobbies, as ED BROOKS, converting parts of several cars into a hotrod, with ED ARCHER pretending to lend his assistance while visiting with EB's sister. Bud? He skied.

Speaking of skiing, more women should take up skiing to keep young...after skiing a woman of 40 looks like a man of 30.

Two of the boys in Shop on swing shift have up and done got themselves engaged to a couple of lovely ladies on the assembly side, also swing shift.

JUNE GAGE, Cables, and TOM RUYLE, Shop, have set the date for Saturday, February 14, and may the good St. Valentine bless their happy hearts.

CORRINE DENTON, 514 group, and BILL JOHNSON, Shop, are indefinite about the date.

The best of everything in the years ahead for these nice people.

* * *

There was a young pun-funning fella
Who drew under the name of Rantala
His cartoons were impressing
But his puns were distressing
We buried him under the cella

F'rnrstanc:

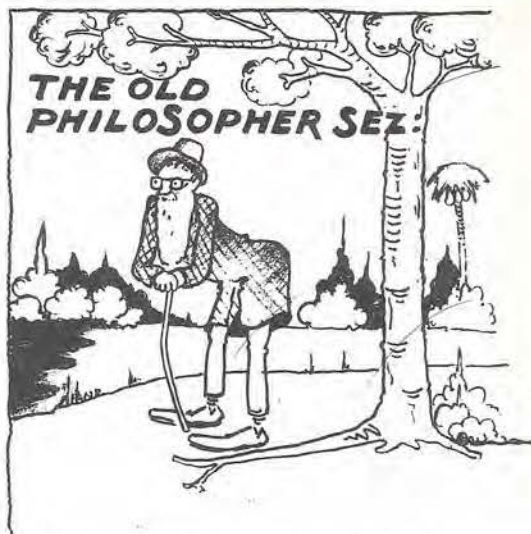
The bicycle fell over because it was just two-tired.

Did you know a cold can be either affirmative or negative? Sometimes the eyes have it and sometimes the nose.

A hula dance is a shake in the grass.

* * *

Teacher to Little Girl: Spell "needle"
Little Girl: n-e-i-d-l-e
Teach: There's no "i" in needle
L. G.: If it doesn't have an eye, it isn't a needle.



The secret of happiness is not in doing what one likes, but in liking what one has to do.

* * *

NEW POWER SUPPLY EQUIPMENT

By Jack Clark

That interesting-looking equipment in the shop that SLIM SORENSON and ED ARCHER have been working on is a direct current power supply to be used in anodizing front panels at the Sellwood plant, and was designed by HENRY HAASE of the Engineering Department.

Anodizing is the forming of a transparent aluminum oxide layer on aluminum, which gives the material a glass-smooth, glass-hard coating.

The equipment now being made in the shop has three tapped transformers. The tap switch, which is a 3-pole, 20-position switch, is connected at the tie point of the Y and changes the stepdown ratio of each transformer, approximately 3/4 volt to each step. The secondaries feed a bank of four selenium rectifiers. The rectifiers, each with a capacity of 125 amps or a total of 500 amps, produce low voltage, high amperage D. C. current which is necessary for the anodizing tanks.

The power supply is equipped with a 16-inch diameter cooling fan, operated on a separate circuit, and is so arranged that the power supply cannot turn on or stay on unless the fan is operating at maximum speed. At top speed a flipper is forced up and held up by the air blast from the fan. The flipper in turn actuates a relay that closes and holds closed the power supply circuit. If the fan, for any reason, drops below a maximum speed the power supply shuts off, thus preventing the rectifiers from overheating and burning out.

LITTLE MAN TAKES BIG TRIP

By Vern Bartlett

The Shop has a little man who does things in a big way. We are speaking, of course, of **GEORGE AITKEN** who recently took himself a real vacation trip.

George, being a native of Scotland, decided to spend the Christmas holidays in his homeland, so away he went, via Northwestern Airways. Leaving Portland Airport, the plane took him to New York City, then to Gander, Newfoundland, and from there to Prestwick, Scotland. The plane averaged an altitude of 22,000 feet and the temperature was 56 degrees below zero outside. The cold was so intense that certain bolts coming from the shell through to the inside had a coat of frost on them inside the cabin.

From Prestwick, George rode a bus to Glasgow and then to Edinburgh, arriving at his sister's home. eight hours time difference.

In honor of George's visit, there was a family re-union, with one sister coming all the way from South Africa.

Edinburgh, George found, was the same beautiful city he remembered, and progressive. An odd note, however, was to see roofers and brick-layers at work as usual on Christmas morning. The school children enjoyed a long holiday comparable to ours, but all shops were open for business.

The economic situation in Scotland is good, retail prices falling low and not hurting since there is no inflation there. However, some industries have been nationalized, such as railroads, making for high fares, and the trucking industry, affecting prices all around. George tells us that the radio entertainment is poor compared to ours. The popular songs are bad and the singers likewise. However, the symphony and jazz orchestra are all excellent. The music halls, or vaudeville theatres are providing real fine entertainment. The great Anna Nagle was appearing in Edinburgh during George's stay.

In general Scotland is going ahead, with rations taken off almost every commodity with the exception of dairy products, and other hard to get items.

On the return trip the plane was forced to go south to the Azores due to heavy fog conditions. They were landed at Santa Maria and obliged to remain a day and a half. The local constabulary was decked out like a Gestapo with rifles and side arms enough for a first class war. All passports were inspected and some baggage, and no one was allowed to leave the premises which were constructed by

the U. S. Air Force during World War II and now maintained by Pan American Airways. The next hop was to Bermuda and then to New York, where due to heavy fog conditions, the airliner was forced to circle the great city for an hour, during which time the passengers enjoyed a most picturesque sightseeing trip.

Back to work now, George tells us the vacation was a grrrrrand one, but it feels rrrreal good to be back in the good old U. S. A.

* * *

We're all glad to see **LEE PENSON** back in the Machine Shop after six long months convalescing from a spinal fusion. He claims to feel better than he had in years, and his looks justify his claim.

* * *

We want particularly to express our thanks to **WILL MARSH** of the Sales Department for his most interesting story on Logan.

* * *

FIRST AID COMMITTEE

By Miles W. Tippery

The following people have been appointed to take charge of any first aid treatment that may be necessary in case of injuries or illness. All of these people have had first aid training and some have had additional medical experience. They have full authority and responsibility deciding what treatment to administer, for summoning doctors or ambulances, and for making any necessary emergency arrangements.

Immediately notify a committee member when first aid is needed. He may be notified by the group leader or assistant, or by anyone else in their absence.

"DAY SHIFT"

MERLE MILLER	Component Test
CECELIA "TINY" DAVIS	Assembly
IDA MAY NORBY	Assembly

"SWING SHIFT"

BOB STRUTZ	Shop
HELEN THOME	Assembly

About 1936 young Belleville joined the U. S. Forest Service Radio Laboratory in Portland. Here he engaged in very interesting developments in portable battery-powered transmitters with low power consumption. Other projects here included a new type of noise silencer for Forest Service receivers, and an audio bridge type of metal detector for lumber work.

Early in 1942 Dr. Marshall (now a Tektronix customer) came West, recruiting men for a new research organization which was to become the now-famous Radiation Laboratory. After a short interview, Logan was hired. He and Bess packed up and crossed the continent, taking new quarters near Cambridge, Mass. Our able friend was soon promoted to Staff Engineer, and in the summer of 1945 was sent to England to work with the British Branch of the Radiation Laboratory, where he investigated special radar receiver problems.

The following year he went to Belgium and Holland to work on receiver problems of Early Warning Radar for the Army Air Force. After a seige of pneumonia was weathered out in England he went to France and then to Germany, continuing with the Air Force on their vital Radar Warning equipment.

As Germany collapsed, Logan was still going, looking for new samples of enemy techniques in Bavaria and Wurttemberg. Sometimes determination got the better of caution, when the party found themselves in hostile country which had not yet been neutralized. They managed to divert some five examples of German optical and scientific craftsmanship for later examination.

In late spring of '45 he returned to MIT and finally headed for Portland in the fall of the year. He returned to USFS where he developed an extremely effective VHF handie-talkie, which was both handy and talky. A great many are still giving excellent service in the Forest Service. Another valuable development in which he participated at this time was a VHF battery-powered unattended relay station for use in remote forest locations.

At the beginning of 1948 Logan succumbed to the urge to cast his lot with the industrially impertinent and productionally presumptuous young upstarts who were Tektronix. He worked long and late to bring Type 512 into the world and subsequently shared in the development of Types 104, 105 and 517.

As we write, Logan leads the Production Engineering Group who work on the continuous improvement of current models, while pointing a finger at potential weaknesses in new designs.

This "natural" engineer has many talents

and his personality has many patterns. A chuckling sense of humor; a glowering impatience with studied ignorance, a sharp insistence on details which quickly deflates a bluffer, and an intense interest in anything he doesn't understand; these are the things we admire in Logan. The last word to describe his attitude is "intent".

* * *

CAREERS UNLIMITED

"Careers Unlimited" is a weekly public service radio program, co-sponsored by Radio Station KEX, the Vocational Guidance Department of the Portland Public Schools, the Exchange Club of Portland, and the Oregon State Employment Service. Broadcasts are made over KEX each Sunday at 9:00 P. M.

The purpose of the program is to provide occupational information to stimulate the thinking of students, their parents, and other interested persons in the selection of and planning for suitable careers and vocations for high school graduates. Mr. Vinnie J. Bell, occupational counselor from the Oregon State Employment Service emphasizes the importance of this program, as only 20% of the high school graduates go on to college.

Tektronix people are currently appearing on this radio program, starting with the January 25 broadcast for four Sundays in succession. Conducted on a panel discussion basis, the panel members include Announcer Russ Conrad of Radio Station KEX, two Lincoln High School students, Floyd Rector and Sherman Bell, and a number of Tektronix people.

MILES TIPPERY, as program guide, answers questions of policy and introduces the department heads.

JOHN TAYLOR, representing Assembly, arranged to have PAULINE FANTZ, DICK MONTAG, WENDELL FERLAND, RUBY PETERSON and HAZEL DAVIS reply to questions concerning their work.

GORDON SLOAT of Transformers with VERA DOBSON, MARJOY DAVIS, KAY BARTMESS, BOB COGAN, DOUG PROUTY and BRUCE ADAMS speak well for that department.

In Shop, HARRY RIESCHEL, calls on BOB WHITE, ROGER CARTER, ARMON "MAC" McDOWELL, AL BRIGGS and VERN BARTLETT to discuss their work.

The Test and Engineering Departments will be heard on the last night of the series with BOB HERREN and BUCK MURPHY both speaking for Test, leaving barely enough time for LOGAN BELLEVILLE, DICK RHIGER and BILL POLITIS to get a few words in, and no time for BOB POULIN and JIM MORROW also scheduled for interview.

TEK TALK



VOL. 2 NO. 2

MARCH, 1953

THE HART STORY

By Sandy Sanford



Yes, that's the fabulous "Redhart" you're looking at. Just recently, Fred emerged from the Front Office cocoon, spread his gossamer wings, and fluttered eastward to join our Eastern Division as a Field Engineer. But that's the latest part of the story -- and the beginning is the place to start any yarn. Let's take a "looksee" into Fred's past.

Jumping a few early years, we find Fred attending school in Seattle, Washington -- graduating from Lincoln High School in 1936. By the age of 11 he had succumbed to radio; this led to some experiences, duplicated by many of us, with a sub-legal transmitter (if they could be called that) and the "LAW". One of his early transmitters ruined so many soap operas for a radius of three city blocks that the good neighbors called in the F.C.C. Carrying out the letter of the law, they handed Fred a "Cease and Desist" order which quenched his gap and dampened his wave for a while.

After graduation from high school, Fred worked for two years as a machinist's ap-

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VISITOR FROM SWEDEN

By Will Marsh

Erik Ferner, who bears the foremost name in the Tektronix export field, visited our plant during the first week in February. The Erik Ferner Company is our Swedish distributor who deals with universities and colleges, scientific development laboratories, and industrial concerns. It is interesting to note that Sweden enjoys one of the most stable economic positions in Europe. Due to Erik's efforts there are now more than one-hundred and twelve Tektronix oscilloscopes in Sweden; our business there for 1952 was in the region of seventy-thousand dollars.



Mr. Ferner was born near Sandviken, Sweden, where the great Sandvik steel works is located. He gained some of his first practical engineering training at this industry. He received his degree in Electrical Engineering from the Royal Institute of Technology,

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MARCH, 1953

EDITOR Irene Garvey

CONTRIBUTING REPORTERS

Darlene Adams	Ginny Levens
Marian Arnold	Will Marsh
Hawkin Au	John Mulvey
Vern Bartlett	Scotty Pyle
Blanche Cook	Sandy Sanford
Marj Drain	Lee Wagner

PHOTOGRAPHER - Ed Egan

AND ITS CONSTRUCTION

By John Mulvey

The new plant music system embraces several improvements over the tabletop patchwork of cords, switches and components that have had to suffice for some time now to bring us our daily music while we work. Of primary interest to most is the acknowledged improvement in sound quality now reaching ready ears.

Most of the work was done in assembly in the vicinity of the 517 group where the project became generally noteworthy when loud screechy filing or hacksawing noises occasionally disturbed the decorum of faces clear down to the cabling department. It was about that time that this six-foot relay rack which houses fan, clock, lights, relays, switches, connectors, motors (some of which look like sirens), etc. was called by various names, such as The Noisemaker, The Monster, The Thing.

Top to bottom, the panels contain: radio tuner; tape recorder; control panel, containing controls for timing, monitoring, recording and adjusting the tone and volume; connector strip for external inputs, earphones, or speaker; a drawer for reels of tape; a drawer for the three-speed record player; on-off switch, fuse and dial light.

The unit contains some notable technical features, and an article will be prepared describing this unit for submission to one of the national trade magazines.

Instead of being built into the form of a cumbersome console, it's completely mobile and tall and narrow to minimize space requirements. One nice thing is that all input and output connections including AM Antenna, FM Antenna, AC Power, and Speaker lines come over one cable that plugs into a special wall outlet. At Tektronix there are two such outlets; one in the personnel office and one (for nights) by the switchboard. Although push buttons are used to aid in keeping the operation simple, and other controls arranged and labeled for the most ease and convenience, some long-pained expressions have been seen to cross the faces of BLANCHE COOK and IRENE GARVEY while face to face with the six-foot prospect of having to operate it. If not yet accustomed to the countenance, girls, remember it can't be worse than the tangle of cords.

NEW MUSIC SYSTEM



L. to R. J. Mulvey, E. Grove and R. Herren

Responsibility for the design of the plant music system, and figuring of the control and mixing circuits, has rested on the shoulders of BOB HERREN.

JOHN MULVEY was assigned the detail and construction work, and has devoted full time for the last couple of months to completing this unit. He will prepare an article to be submitted to one of the national trade magazines describing the versatile music system.

EARL GROVE did some of the preliminary work, and LARRY MATHIS also loaned his cooperation and assistance.

BOWLING RESULTS

FIRST SESSION, 1952

By Hawkin Au

SLO-BLO TOP O' THE DAY



l. to r. front row: K. Bartmess, H. Au;
back row: A. McDowell, C. Nolan, D. Kidd

ROCKETS SWING HIGHEST



l. to r. front row: K. Allen, A. Martin
back row: B. Eberly, K. Beals, G. Sheridan

The bowling season this year was divided into two sessions of fifteen weeks each. The reason for this division was to sustain interest throughout the season. With a thirty-week season, the last few weeks tend to drag by slowly. A divided period also provides room for more people to bowl, since some members drop out after the first half.

The results of the first installment are evident in the pictures. This year the swing shift and the day shift leagues were indepen-

dent of each other, and thus separate prizes were awarded. The "individual" trophies were won by bowling the highest game and the highest three-game series of the entire session. The members of the winning team also received honors for their concentrated teamwork in order to get to the top. Team prizes instill more competitive spirit among the teams, resulting in more fun and cooperation within the groups.



Individual HIGH GAME Honors:

l. to r. f.r. G. Gasser (187), J. Bass (176)
back row: C. Gasser (220), S. Jones (216)



Individual HIGH SERIES Honors:

l. to r. f.r. A. Martin (437), E. Johnson (492)
back row: C. Helmer (597), H. Au (543)

* * *

Doing anything Friday night about 9 p. m.? Our boys - Don, Don, Chuck, Dick and Dick - bowling in the name of Tektronix in the Tuatlatin Valley League at Canyon Bowl would be happy to see and hear you.

ENGINEERING 4

By Marian Arnold

Engineering 4? That's room number 4 in the Engineering Department. Located here is a group of people with comparatively diversified activities. Some work on new instrument development and some work on improvement of present instruments. The latter is better known as the Production Instruments Engineering Group and is made up of fellows who authorize the instrument modifications.

DICK RHIGER: Dick was employed in May, 1948 when HOWARD VOLLUM and LOGAN BELLEVILLE were the two members of this department, and the addition of one more expanded the group 50%. Dick is very proud of his four children, ages 1, 5 1/2, 8 and 10. Dick spends his time at Tektronix working on new instrument development.



Dick Rhiger

DON CALNON: Don came to Tektronix in June, 1948 and 1949 for summer vacation work. In 1950, after graduating from Oregon State, he became a permanent member of the engineering staff. Don works on the improvement of instruments in production. He is President of the Tektronix Credit Union. He likes fishing, boating, tennis, bowling and skiing.



Don Calnon

JOHN KOBBE: John is the youngest member of this Engineering 4 group. You have read about him in the August, 1952 issue of Tek Talk when he and GENEVA were featured as a Tektronix Twosome.



John Kobbe



Chuck Nolan

CHUCK NOLAN: Chuck, another Oregon State graduate, works on the development of new instruments. Soon after graduation, he joined the Tektronix force in June, 1949. At the moment, most of his outside hours are occupied by construction work on his new house. He raised cocker spaniel pups, too.



Archie Yergen

ARCHIE YERGEN: Archie takes care of most of the mechanical problems concerning our instruments. He started working in the shop in October, 1948. He became involved in a Tektronix romance and in March, 1950 won Joan Richards who was W. K. DALLAS' number one girl. Lately, Archie is having trouble keeping the buttons from popping off his vest since the arrival of Carl, born November 28.

* * *

The above pictures are the first prints to make a public appearance from the "catalog of personnel pictures" being compiled by ED EGAN. The purpose of the "catalog" is to have a picture of each individual at Tektronix for ready reference and easy identification.



Bob Poulin

Visitor....Cont'd from Front Page then participated in military training for a period. After some practical experience on automatic dial stations with the Swedish Telegraph system he went with the Swedish office of Siemens, A. G., the German electrical firm which corresponds to our General Electric Company. After five years of sales engineering work with Siemens, he joined a Swedish engineering firm in charge of the instrument department.

Erik's first contact with Tektronix was in 1948, when he was principal partner in A. B. Norrlandia, in a distributorship arrangement. (It might be pointed out here that the "A. B." in the name of Swedish firms stands for "Aktiebolaget", which is the equivalent of our "Incorporated".) In 1950 in order to study the possibilities of the market presented by electronic industries there, he visited Australia, then stopped at Tektronix (on Hawthorne Avenue) on Labor Day of that year. When he returned to Sweden he established his own firm of Erik Ferner. He now represents two other American firms, Measurements Corporation and Esterline Angus Company (both of whose instruments we use in our own engineering laboratories).

Our tall, rugged friend enjoys energetic hobbies; horseback riding, skiing and swimming occupy much of his leisure time. Erik points out that during the period in summer when it is daylight even at midnight, the water gets quite warm, making the swimming unusually delightful. He also holds a commission in the Swedish Army; when he returns home from this visit he will participate in a 40-day training period on active ("active" is no exaggeration) duty with the Ski Troops in Northern Sweden.

Dal and Hazel speak glowingly of the charm and attractiveness of Erik's wife Gunborg, and of the beautiful home in Stockholm over which she presides. Eight-year-old Elizabeth is already making promising progress at the piano. Per-Erik, who is assembling a fine stamp collection, including many American stamps, is eleven.

Erik's brother, Ingvar, who visited our plant last year, is with the Scandinavian Airlines System, and at present is in California to help with the electronics engineering on new Douglas DC 6B transport planes being built for SAS.

Erik's aggressiveness, integrity, and understanding of electronics offer us the finest kind of representation for our export activities, and we look forward to a profitable and most interesting relationship for years to come.

AN ESTATE FOR YOUR CHILDREN

By Scotty Pyle

You can create an estate for your children in your credit union by either of two ways.

By placing funds in your child's share account, your child has life insurance matching his share account, with an insurance limit of \$1,000. The yearly dividend will increase his account as he grows older.

The other way of creating an estate can best be illustrated by an example. If you borrow \$100 and place it in your share account, you have \$200 worth of insurance. That is, you have \$100 insurance on your loan and \$100 on your shares. Total disability or death will pay off your loan and double your share account. The cost of this estate is the interest you pay on your loan less the dividend you receive on your shares. The current high dividend rate means that the actual cost of the insurance is low.

Why don't you talk with your credit union people about this service now? The advantages are great.

* * *

TED'S BACK AND HAPPY

Open-faced amazement was registered during TED GOODFELLOW's search for new and improved methods in ceramics making in most of Southern California -- at what we are accomplishing in our own Ceramics Department at Tektronix. People in the business for years were surprised at the intricacy of our work, and the theoretically unorthodox, but most effective methods we employ.

Ted found nothing to compare with the work we are doing here, but in a little over a week was able to pick up many new ideas from the porcelain and tile plants visited. New growth has been added to his optimism, and he feels that the future in the type of electrical porcelain we are making looks very bright.

* * *

THE BRIDE WORE WHITE...

...and carried red roses on St. Valentine's Day when JUNE GAGE, Cables, and TOM RUYLE, Shop, were made one. Both the wedding and reception were held at the home of the bride and later in the afternoon the happy couple left for the coast, then Payette, Idaho to visit relatives, before settling in their own little apartment.

"Redhart".....Cont'd from Front Page
 apprentice and on the side worked as a trouble-shooter for a pinball machine manufacturer, the Rube Gross Company, Seattle. Having decided that a machinist's work was too sedentary, Fred began as a painter's apprentice in November, 1937. On the side, he organized a photography business with a friend.

In January, 1939, he moved to Portland, where he became a foreman for the Industrial Spray Paint Corporation. As happens to every good man, he found a good girl -- and it is to be suspected that he painted a few big red hearts on the sides of our fair city's buildings. Anyway, he and Norma Hankins (sister of RON HANKINS, Drafting) were married June 2, 1940.

World War II pursued it's unhappy course until 1944 when Fred enlisted in the United States Navy April 6. Because of his background in amateur radio and radio servicing, he was immediately assigned to a school for Electronic Technician Mates, graduating in 1945. He served on several units of the fleet in the Far East, including the heavy cruiser Indianapolis. He survived a harrowing experience when the Indianapolis was torpedoed and sunk on the way back from Tinian just after midnight on July 30, 1945 after delivering the first Atomic Bomb. Of the 1196 men aboard the cruiser, Fred was among the 316 rescued. Fred's life raft was adrift at sea for five days before search planes found them. He was required to testify during an investigation that an SOS had definitely been broadcast from the Indianapolis before she went down. Fred was honorably discharged as an ETM2C on January 14, 1946.

By February, 1946, he was back at his old job as foreman for Industrial Spray Paint, where he continued until he began to work for Tektronix. As usual, he conducted several side enterprises to use up a seemingly boundless amount of energy. These enterprises included a partnership with CY WOODWORTH, Stock, operating as Northrup Radio and Sound, from January, 1947, to October, 1948. While working together, Fred and Cy did some subcontracting work for the Atomic Energy Commission, Albuquerque, N. M. Fred eventually sold out to Cy and opened his own business at 49th and Hawthorne under the name of "Radio Clinic".

After selling out at 49th and Hawthorne, he operated a radio servicing business at his home under "Hart's Radio". Soon he began subcontracting all radio and television service work for Western Electric and Appliance

Cont'd on Page 8

NEW FACES

DICK PHILLIPS, latest Test Department recluse -- oops, I mean, recruit -- has been training in Assembly since his arrival on February 16. Dick enjoys nothing more than experimenting with electronics in his spare time, when not otherwise occupied with the several ladies in his home life.

LuCILLE KAIN joined our Sales Department on February 25 as steno to SANDY SANFORD and SCOTTY PYLE. LuCille, in her leisure hours, writes short stories, does textile painting, and both she and husband Waldon are home movie enthusiasts.

TRANSFERRED

JOHN LIEDTKE left Assembly for the Test Department on February 16 -- now all three "new Johns" are in Test.

* * *

BONNETS AND BOOTIES

It's a boy --- the third son for BOB DUHRKOOP of the Stock Department. Dennis Jay weighed in at 9 lbs. 6 oz. on February 10.

"If the baby doesn't come soon it will interfere with business"---- income tax business---that is, said BOB LEIPZIG early in February. Evidently Karen Ann liked that idea as she put in her first appearance on February 25. Karen has two brothers.

"I don't want to sound like a doting grandmother, but she's a beautiful baby"--unquote BEA RANDALL. Kristen Lynn, Bea's first grandchild, arrived on February 28 in Eugene, Oregon.

John Howard Belles decided to come into this world with the spring lambs of March. The baby, who has a brother, David, belongs to PAUL BELLES of the Shipping Department. John balanced the scales at 7 lbs. 9 oz. and was born on March 1.

BACHELOR'S SOUR GRAPES

Let them have their daughters and
 their sons
 I am happier than they by far.
 There are bigger things in life than
 little ones
 Altho right now I can't think what
 they are.

* * *

It takes 34 muscles to frown, and only 13 to smile. Why make the extra effort?

'Redhart'.....Cont'd from Page 7

Company, continuing until just recently.

By 1951, Fred realized that he was much more interested in Electronics than in painting for the rest of his active life. He began work for Tektronix during October, 1951, spending a month in Assembly. In November, he transferred to the Test Department, where he set a very fast pace for the boys until he was transferred to the Sales Department on July 14, 1952. After a suitable period spent in handling customer complaints, bids, technical correspondence, contracts, and related problems, Fred was transferred to our Eastern Division as a Field Engineer on February 1, 1953.

Now that's a blow-by-blow account of what he's been doing for a number of years - but we need to take a look at Fred himself. What is this man and how does he "tick"? First of all, Fred is really a "character" from away back. A superb sense of humor and a sharp wit keep everyone around him laughing. There's never a dull moment when Fred's around.

One evening Fred wore an electrically illuminated necktie to a party. By pressing a hidden button in his pocket, he was able to make the tie flash quite spectacularly. Being Fred, he soon perceived that there were some drastically low-cut evening gowns around; by leering in the correct direction coupled with flashing his electrified tie, he was able to create a lot of uproar in a short time.

Another time, while waiting for a table at the Smorgasbord and being in a mellow mood, Fred sat down in the middle of the floor and related all the details of being shipwrecked on the Indianapolis complete with gestures. Before he was through, quite a crowd of people had gathered to watch the amusement.

And he's the most convincing spinner of yarns we've had around for a long time. He could describe a routine trip to buy groceries in a way that would double you up with laughter. He can even persuade people that impossible, improbable, and inelegant stories are true - for a while - then pulls the punch line. A number of us who prided ourselves on rarely being "taken in" have suffered much at the hands of this demon - aptly named "Redhart" by the Test boys.

Fred is gifted with enormous energy, enthusiasm, spizerinctum, get up and git, ambition, getitndoniveness, whatever you call it. Where most of us go out to survey a job, and then retire to the easy chair, Fred pitches in and does whatever needs doing. He has al-

ways maintained extra-curricular work besides his regular job - whether it be a radio service business or building houses. He has the drive to get things done - just can't sit still when he could be working. Of course all these extra activities have not prevented Fred from enjoying a fine family, for he and Norma have four active boys: Guy 10, James 9, Lawrence 5, and Stanley 2 1/2. And we mustn't forget the family dawg, part Cocker Spaniel and part Guesseme - that old East Indian breed.

Well, folks, we're going to miss Redhart around here - but we're very glad he's still working with us for the good of the whole group. For Fred's ready wit and adroit tongue, plus a demonstrated technical ability should combine to make him an outstandingly successful Field Engineer. We wish him the best of everything in the years to come.

* * *



Flash - it has been reported that a certain draftsman and cartoonist receives roses from one of the ladies. He denies romance - says it's mucilage admiration only, and is sticking to his story like glue.

Let's face it -- our informality is unique, and to newcomers it is not a little difficult to comprehend at first. At Ice Skating the other night, seems like LEE WAGNER's wad of chewing gum went kerplash cocoawise when she learned that the big blond Logan who had just whisked HELEN WALKER off to receive her award is "one of the owners".

Pearls - a beautiful double-strand - were awarded HELEN WALKER as a result of her ticket sales to the Northwest Ice Skating Competitions.

* * *

At the annual meeting of the Portland Figure Skating Club on February 23, our own MERLE MILLER was unanimously elected President of the club, succeeding JACK MURDOCK who was president last year.

* * *

Calling everyone! Roller skating season opens officially for the Tektronix crowd in March. Interesting? See JERRY KRAXBERGER in Test for details. It's fun. If you can walk, you can skate -- if you can sit down, you are a practiced skater.

TEK TALK



VOL 2 NO 3

APRIL, 1953

MR. FIXIT

By Cy Woodworth



The young fellow whose smiling countenance is seen above is probably one of the best known throughout all departments of Tektronix. He's been with us a long time. His knack for being able to fix with apparent ease any and all of a thousand and one different mechanical gadget discrepancies has smoothened many a furrowed brow. Are your wire strippers broken? Do you need some special gadget to increase your efficiency? see PIUS SCHERR. But first let's go back a few years.

Pius was born on a farm in North Dakota about the time the tall, silent gentleman from New England was residing in the White House. He attended both grade and high schools in North Dakota, and eventually went to work for the Chicago, Milwaukee and St. Paul Railroad, his folks having meanwhile sold their farm. After his railroad experience, Pius took a turn at selling shoes, but by that time, as was

Cont'd on P. 6

"A PREVIEW OF PROGRESS" AT THE I.R.E. CONVENTION

Tektronix was one of the 405 exhibitors at the I.R.E. National Convention held four days starting March 23 in New York. Exhibits fully covered four floors of the Grand Central Palace, each floor a full New York City block square. Our two booths were located to advantage in number one and two positions along the first wall adjacent to the entrance wall on the second floor. The booths were busy constantly with visitors ten people deep from 9:00 a. m. to 9:00 p. m.

Imagine the conversation at a gathering of almost 40,000 engineers? Heavy, yes, but in their less formal moments, they offer us for the future a golf ball with a built-in transmitter that will send signals to show where it lies in the rough; a TV set that you can hang on the wall like a picture frame; a wrist watch radio (just like Dick Tracy's). Or, how would you like a cigar-box size camera attachment for your TV set that by merely a flip of the switch will cause the receiver to turn from the broadcasting program to view the children asleep, or at play, or what's cooking in the kitchen, or who the caller is before the door is opened?

Tektronix was represented from here by HOWARD VOLLUM, JACK MURDOCK, W. K. DALLAS and FRANK HOOD, who were very much impressed with demonstrations of colored television, actually saw the "Dick Tracy type" wrist watch radio, the transistor operated transmitter about the size of a stickpin worn on a lapel for public address purposes, and other astounding previews of progress in radio-electronics.

JACK MURDOCK wasn't too busy to note with pleasure this year's prompt arrival of the exhibit equipment, its good operating order, and the adequate supply of printed literature on hand.

Present at all times at the exhibit, demon-

Cont'd. on P. 3



VOL 2 NO 3

APRIL, 1953

EDITOR Irene Garvey

CONTRIBUTING REPORTERS

Jack Clark
W. K. Dallas
Frank Hood

Scotty Pyle
Cy Woodworth

PHOTOGRAPHER - Ed Fgan

TEKTRONIX TWOSOME



By Jack Clark

The spotlight's on ALDEAN and CLYDE FEITUSH.

Aldean, who was loaned to the Ceramics Department for the past five months, works regularly in Transformers, winding coils, where she started in March, 1951. Previous to that Aldean worked on television equipment for RCA's Standard Coil Company in Los Angeles for a year and a half.

Born in Fort Scott, Kansas, Aldean claims Yakima, Washington as her home town, having moved there at an early age. While working in Yakima as a telephone operator, she met Clyde. One night he put through a call to California, liked his operator's voice (it was Aldean's) and wound up taking her and five other operators to dinner because all six kept the date and none would tell which one he had talked to on the board. N. C. and D. A.

Clyde, who came to Tektronix on June 30, 1952, worked in the 517 group about three months, then took over the etching work in the shop on swing shift. Before joining us, Clyde worked for Columbia River Paper Mills in Vancouver, Washington for two years, printing Christmas paper, oleo and butter wrappings. He has also served in the Navy, spending most of his time, he claims, in the brig.

Next to their two handsome boys, Randy, 5, and Bradley, 3, Clyde's chief off-time interest is radio, television and electronics to which he devotes every spare moment through



a home study course. Aldean's hobby is ceramics and she hopes one of these days to have her own kiln in the garage of their home in Cedar Hills.

* * *

BILL JOHNSON, Shop, and CORRINE DENTON, 514 group, became one on March 7th. Bill and Cory have bought a home in the Sellwood district and Bill says he will maintain, with Cory's cooperation, his ham shack in an upstairs room. If Bill spends too much time on the 10-meter band, remind him where you keep the kitchen mop, Cory.

* * *

TOM and JUNE RUYLE, newlyweds, showed some interesting colored movies to the shop swing group of their recent wedding, reception and trip. Tom's Beau Brummel nuptial appearance was outdone only by June's beauty in her very attractive wedding gown.

I.R.E.....Cont'd from P. 1

strating, furnishing technical information and assisting the visitors in every possible way were the members of the Eastern Division of our Field Engineering Forces, JACK CASSIDY, JACK DAY, CHUCK GIBSON, ED BAUDER, FRANCIS FROST, GEORGE EDENS, BYRON BROMS and FRED HART. HOWARD VOLLUM beams with pride when he recalls how thoroughly these fellows answered inquiries about Tektronix products. Our customers made it obvious, too, that they are well pleased with the service being provided by our branch offices.



Scopes 315 and 524 were shown at the show for the first time, and were both well accepted. There is still a great deal of interest shown in our older instruments. A high degree of interest and admiration were expressed in the construction of the instruments --- our methods of construction --- our ceramic terminals, etc.

Not only did we have a nice demonstration of the instruments in our own booths, but touring the Grand Central Palace, it was found that our equipment was well represented in other displays where manufacturers were using our scopes to show the performance of some other equipment which they manufacture. Some of the displays at which our scopes were being used were those of Collins Radio Company, Federal Telephone and Radio Corp., and Spencer-Kennedy Labs. Telechrome also used them in demonstrating their colored television, and many others for demonstrating computing machines, etc.

It is expected that the electronics industry will continue to make great strides forward. From sales of 230 million dollars in 1939, it has jumped to an output of over 4 1/2 billion dollars in 1952, and is expected to reach 5 billion this year.

Since the projected growth curve indicates that sales should reach 20 billion dollars by 1960, our opportunity becomes crystal clear. By a concerted and collective effort we will be able to not only maintain, but to further extend and solidify the position of leadership Tektronix has attained during the past six years.

* * *

AFTER THE I.R.E. SHOW...

JACK CASSIDY, DAL and FRANK HOOD drove up to Poughkeepsie, New York - about 80 miles up the Hudson - to the home of IBM, and had a chance to view several of their "electronic brains", capable of doing mathematical problems in a few minutes time that would take several generations of mathematicians to perform. The IBM plant left a most favorable impression with the fellows and they report the hospitality and genuine friendliness to be of the highest order. Pleasant, too, was the sight of almost as many Tektronix instruments there as we see here in our own plant.

* * *

TRANSFERS...

LLOYD OLSON, formerly of Silk Screening in Stock, has been officially transferred to the Sales Department as of March 1st to handle the art and layout work for catalogs, promotional pieces and other tub-thumping accessories.

JOHN LIEDTKE has settled down in the Engineering Department as of April 8.

* * *

NEWCOMERS...

JOE JASPER, hunting and fishing enthusiast, joined the Panel Craft crowd as of March 24.

BILL HERRICK is etching in Shop since his arrival on March 25. A radio man from away back, he has much in common with many others around the plant.

LEO WULF is a trainee for Test presently in Assembly since March 30. Seems like we may have a prospective member for the hiking club here, Miles.

* * *

The darkest hour in any man's life is when he sits down to plan how to get money without earning it.

FRONT OFFICE



MARYELLEN ANDREWS, our "honey-voiced" telephone operator and receptionist is the first to greet Tektronix visitors. A Portland girl, Maryellen enjoys swimming, and as she says, "I'm a summer dry-turf golfer". As practice for her present work, she entered a local oratorical contest, and was selected to compete as a finalist at San Francisco. This summer Maryellen is again "going South" to spend her vacation at Carmel. Ah, those sunny beaches.

SALLIE SUE MCGUIRK, whose sparkling eyes dance with merriment when she talks, acknowledges purchase orders received from Tektronix customers. Sallie maintains records that enable Field Maintenance as well as a number of other groups, to tell where each instrument has been sold. Clay sculpturing and weaving of textiles occupy much of her spare time. Sallie enjoys playing tennis, and under the right weather conditions will venture out on the "green". In a spirit of true cooperation Sallie is going South during her summer vacation this year to help maintain a balance of those Southerners going North.



FRANCES EGAN, whose long dark lashes shade her eyes from the flashing keys of her electric typewriter, prepares invoices and packing slips for shipments of Tektronix instruments. Fran, born in Iowa, is just as ardent an enthusiast of Oregon as Ed, her husband - and Tektronix' photographer. Her two girls, Carolyn and Susan, also share her delight in spending weekends at the "beach". Fran concludes she doesn't have much time for knitting anymore --- a sweater started eleven years ago lies, sans sleeves.





EILEEN SEARLE, whose quietness covers a most enjoyable sense of humor, started at Tektronix in May, 1951, when answering "Why haven't you shipped" telegrams took half of everyone's already overloaded day. After a week of indoctrination, Eileen took over the responsibility of scheduling shipments of instruments. She comments on the first few months of her work here - if she hadn't been so tired when she went home, she'd have gotten another job. We're mighty glad she didn't. Eileen, besides making certain the customer receives what he requested on his purchase order, replies to urgent appeal when instruments go astray in shipment. Eileen, coming to Portland from St. Paul, Minnesota, enjoys the early spring flowers that abound in her garden. It's easy to see she finds a lot of enjoyment in her six children -- her eyes shine and her voice has added enthusiasm when she speaks of them.

SYLVIA RICHEN, whose captivating smile is an expression of her personality, prepares acknowledgments and invoices of orders for Field Maintenance. She then schedules shipments of maintenance parts to the customer by the best possible means. Another phase of her work is filing of records and correspondence of Field Maintenance. Sylvia is mighty glad to have her husband Werner back from months in Korea. Sylvia uses her artistic talents in ceramics and in making almost all her own clothes. This year Sylvia and Werner are going to spend their vacation someplace other than Fort Lewis.



GRACE GIBSON, whose graciousness and humor reveal a radiant personality, operates the switchboard during the evening. Her other responsibilities include closing out the mailing machine, typing for various departments, and picking up those loose ends and tying them in a neat and tidy bow. Grace's four children occupy her spare moments. However, she does find time to maintain her rating as an accomplished pianist. Grace has lived in Connecticut and Washington, D. C., but prefers to call Portland her home.



Cont'd on P. 6



GENEVA KOBBE, whose bright and friendly conversation cheers everyone around her, maintains the advertising mailing list and operates the new addressing machine. Geneva will soon be doubly busy helping mail out ten thousand promotional pieces, announcing new Tektronix products. Also to be announced will be the John and Geneva Kobbe move into their new home. Both have worked long and diligently on its construction, but soon it will be Geneva's sole responsibility to add those feminine frills that make a house a home. Vacation? "Yes," replied Geneva, "but that's when we're going to finish our house."

* * *

Mr. Fixit.....Cont'd from P. 1.
inevitable, in 1945 he received a letter which began, "Greetings".

Pius found himself learning all about tanks at Ft. Knox, Kentucky. A draftee's tour of duty was short in those days, so after eighteen months, Pius returned to civilian life. Taking the words of Horace Greeley to heart, Pius came to Portland in 1947, and for about a year he worked in the automotive repair field. In September, 1948, he came to Tektronix, which at that time consisted of about thirty people and occupied part of the second floor at 712 S. E. Hawthorne Blvd. The total output of Tektronix then consisted of about sixty Type 511 scopes per month. Pius worked on the final assembly and front panel details, continuing at this work until Tektronix moved to its present location, when he became 512 group leader. Not long after the big move, it

was decided that the problem of salvageable materials was such that it warranted full time attention. Pius, a man of patience and perseverance, as well as having a high degree of mechanical aptitude, was chosen for the job. This work consists not only in returning to usable condition as much damaged or defective material as possible, but also the repair and maintenance of various hand tools and other items of general use, and the designing of special devices for increasing efficiency on a job. As a result, Pius at times wishes he were twins to keep up with the demand for his service. It goes without saying that such service is a definite contribution to production.

His energy knowing no bounds, he finds the time to indulge in various hobbies including bowling, archery, firearms, boat-building, and house-remodeling.

He has a definite interest in electronics, although it is the purely mechanical that intrigues him most. The writer, however, having worked closely with Pius for some time, has noted an unusual ability to grasp quickly any new problem, so he could probably make a success of any work of his choosing.

* * *

WEDDING BELLS RING FOR.....

ED ARCHER: one of our shop jig makers, and Rosanna Brookes, sister of ED BROOKES, Shop, were married at 2:00 p. m. Saturday, March 28th, at the home of the groom's sister, Mrs. D. D. Ellis. After the home wedding and reception, the young couple went to the Coast for a week's honeymoon. They are renting a home a short distance from the plant, location of their abode undisclosed for two weeks. Happy sailing, kids.

* * *

BONNETS AND BOOTEES...

Plump and pretty Julia Jeanine made her home with the WAYNE CHRISTENSEN family as of February 22. Wayne, in Shop, hesitated about telling anyone in the office about the new arrival -- wanted to surprise Uncle.

ROGER HAIGHT of Test happily announced the arrival of a 6lb. 12 and one-half oz. baby girl, Janice, on April 6.

FORREST SCHUH of Shipping told us of an increase in his family of one boy weighing 6 lbs. 4 oz. named Daniel Raymond who has a sister Deborah.

JOHN LIEDTKE's youngsters Gary, age 12, and Susan, age 8, are tiptoeing around the house since March 17 when baby brother Kenneth arrived.

TEK TALK



VOL 2 NO 4

MAY, 1953



Dick Ropiequet

Story by Marion Arnold, et al

This month we introduce RICHARD L. (DICK) ROPIEQUET, the engineer in charge of new products design. Since Dick joined Tektronix (October, 1949), he has contributed many of the advances in our instrument design. He is a person who never seems to tire of trying to make something just a little better. In order to achieve this advancement, he demonstrates originality of thought coupled with eagerness to try something new if it shows possibilities. He frequently gets wound up in a project or caught in one of the 5 o'clock conferences so that his day ends at a late hour as the operator says, "Dick Ropiequet, telephone please" (Eleanor calling to see whether he will be home for dinner). Sometimes we wonder if the more than normal activity within his head is responsible for the less than normal activity on top of his head.

Dick seems to have picked up interests in electronics through a natural sequence of events. Perhaps, it was activated by a stint at Radio Material School at Treasure Island. When completing his studies, the Navy asked (told) him to stay a while longer to teach radio and radar. Prior to this, Dick had accumulated a solid grounding in chemistry,

Cont'd on Page 8

VISITOR FROM NORWAY

Eugen Nilsson, who together with Jens A. Stavnes and Jan Arne Narud, represents Tektronix in Oslo, Norway, stopped off to visit our plant on an automobile tour of this country. He expressed the desire to be quoted in his appreciation of the nice planning, and the fine spirit of friendly cooperation among people at work here. In noting "rapid developments and big improvements" his comment was that it "shows the company is going ahead at a rapid pace, and if I come here again in a few years, I don't expect to recognize the place."

* * *



SCOTTY PYLE, newly appointed head of the export department, converses with Eugen Nilsson of Oslo, Norway. In taking the reins in hand, Scotty will be assisted by MARJ DRAIN, who has been most capably carrying the entire load in bringing our export activity from an initial zero to its present substantial state.

JOHN MULVEY left the Test Department as of May 1st to join the Sales Department as a Sales Engineer in training. After a period of indoctrination and coping with correspondence and field problems, it is expected that John will join JACK CASSIDY, our Eastern Division Manager, as a Field Engineer.



VOL 2 NO 4

MAY, 1953

EDITOR Irene Garvey

CONTRIBUTING REPORTERS

- | | |
|-----------------------|---------------|
| Marion Arnold | Don Ellis |
| Vern Bartlett | Don Kepler |
| Logan Belleville | Ida May Norby |
| Faye and Rennie Brown | Scotty Pyle |
| Norma Caufield | Dick Schmitt |
| Jack Clark | Miles Tippery |
| W. K. Dallas | Helen Walker |
| Bill Degner | Bill Webber |

- | | |
|----------------|----------------|
| Photographer - | Ed Egan |
| Art Layout - | Lloyd Olson |
| Cartoonist - | Arnold Rantala |

TEKTRONIX TWOSOME

THE JOHN MATTHEWS

By Helen Walker and Ida May Norby



The age-old theory that opposites attract was again proven true when tall, dark and handsome JOHN MATTHEWS came to work at Tektronix and met pretty blond CHARL BAIL.

They had much in common in that they had each seen a good deal of the country and both served in our armed forces.

John was born in Pennsylvania, the son of an Army man. Due to his father's Army career, John received his education in schools up and down the east coast, and later travel-

ed through practically every state in the Union.

He spent part of his two years in the air force as instructor in their technical schools.

In 1946 John came to Portland, attended Lewis and Clark College and graduated in June, 1951 with a degree in physics and mathematics. His plan when he came to Tektronix that summer was to work for the summer vacation only -- but Charl, as well as the work here, helped change his plans.

Charl also had migrated to the Portland area from the east. She came with her parents at a very early age, graduated from Beaverton High School and worked for the telephone company and as an electrician in shipyards prior to joining the Navy -- never thought a pharmacist's mate 3/C could be so pretty.

While she worked in the shipyard, a picture of photogenic Charl taken at her work was chosen for entry in a review of Oregon's Most Interesting Snaps.

On her discharge, after one year in the Navy, Charl attended and graduated from the Portland Beauty Academy, and practiced as a beautician for about four years in both Oregon and South Dakota.

Although her health no longer permits, Charl's main interest is in the beauty business and quite frequently we find her spending her lunch time in the lounge making the "fur fly" as she adds to the good grooming of many of the lovely ladies at Tektronix.

Charl joined us in April, 1951 and works on the 513 scope.



John is the dignified group leader of the Specials group.

They were married in August, 1952 and being a typical woman, Charl was late for her own wedding. While John was pacing the floor, quite sure he had been "left, waiting at the church", Charl was at home looking for her shoes.

All went well, however, and Charl and John started on a happy road in matrimony with a honeymoon trip to the coast.

They share much time with their hobbies of tennis, golf, photography, and reading. He also pursues the field of electronics, while she enjoys painting, embroidery work, playing the guitar and singing.

John's supervisory ability is further portrayed as a member of the Board of Supervisors for the Credit Union.

* * *

DARLENE ADAMS is a good girl as good girls go, and as they go she went and bought her mother a Kenmore Automatic Washing Machine with no special occasion in mind except that to her way of thinking "every day is Mother's Day".

* * *

The new Steno in the Engineering Department is AUDREY DUYCK who started with us on April 13. Sorry, no phone number.

HARLOW LOUCKS, new member of the Printing Department since April 13, came to us from M and F's sporting goods section, and surprised us a couple of Fridays later with news of a 7 lb. 11 oz. addition to his family. Jeffrey Harlow was born on April 23rd, and is destined to do "a lot of skiing at Timberline, fishing, hiking and camping" if he is to be just like Dad.

CHARLES RUTTEN, six-foot-three-and-one-quarter-inch bachelor, started with the Shipping Department on April 20, after two years in the Army. Photography is his main spare time interest.

DAVE SPINKS and MERVYN HENKES have started their training in Assembly as of April 27 -- Dave from Portland Telephone and Telegraph, and Merv from Crown Zellerbach Corporation.

Welcome back, LORRAINE MURPHY. The 514 group was happy to see those nimble fingers fly the morning of April 27, especially in the face of the new quotas.

May 1st brought us happy, smiling SUE SEELYE for the Sales Department. When David, age five, and Pamela, age four, allow, Sue utilizes her "spare" spare time by sewing, or square dancing at the club with husband Ed.



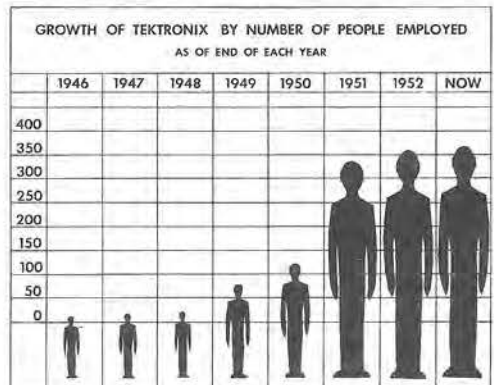
* * *

MANPOWER TREND

Everything points to the advisability of people getting into the engineering and scientific fields. That's the encouraging bit of news brought back by MILES TIPPERY from the Western College Placement and Recruitment Association's Third Annual Conference held April 1st and 2nd at the Arizona Biltmore Hotel near Phoenix.

Miles, attending the conference to study methods used by others in locating and hiring technically trained personnel, returned well-rewarded with a number of interesting and practical ideas to be included in our future plans.

Traveling to Phoenix by car through Idaho and Utah with his family, and returning by way of California, Miles was distracted from the personnel question by the scenic beauty, such as at Zion National Park, Grand Canyon National Park and the Joshua Tree National Monument. The traveling Tipperys were also impressed with the multitudes of desert flowers in full bloom, and compared the climate in Arizona in April as similar to our summer weather.



PLASTICS DEPARTMENT

By Vern Bartlett

The need of an odd size knob for the first 315 scope led to the eventual development of our Plastics Department. As the cost of securing custom made knobs from the East was considered prohibitive, it was agreed that we should consider molding our own plastic knobs. **JIM MORROW** was asked to check into the possibilities.

There followed a period of research into types of materials, molding presses, dies, pressure, temperature and myriad other factors, and Jim came up with an answer.

Securing two Porto-Power hydraulic presses of the type used in auto repair and other trades, he set out to adapt them to molding use. With **ART ENRIGHT** making the opening and closing guides, **RODGER JENKINS** the electronic controls, and Jim the heaters, the presses were well underway.

After many other details, Jim began work on the dies which actually form the finished pieces. This required precision machining involving tolerances in some cases of one-half thousandths. The results were several dies, some interchangeable, which now produce the five types of knobs used on the 315 scope, and the new probe. These beautiful products are evidence of the excellent workmanship put into the project.

All this started a little over a year ago. In September, 1952 along came **JIM BOYLE**, whose job was to coordinate the department to a production status. As a metalsmith in the Navy Jim was required to take a course which included plastics. Becoming thus interested, he was determined to have his own business, and three months after discharge, set up in the plastic field under the name of Portland Plastics, his shop located at S. E. 16th and Hawthorne.

During that time Jim made the plexiglass graticules for the 517s and thus became known to Tektronix for his ability in plastics. Portland Plastics manufactured display and utility articles which were sold throughout the entire northwest. After four years in business Jim became shop manager for Bettcher Plastics, holding this position for two years. From there he came to work for us.

When the department was moved to the shop, **HOWARD DANIEL** and **VERN BARTLETT** were chosen to carry on actual production under Jim's supervision. Both men had had previous experience in this field. They now mold all knobs and probes and complete all hand operations before assembly.



Jim Boyle



Vern Bartlett

Howard Daniel

Since this time improvements on the presses have been made. These include a new hydraulic system and controls made by **JIM MORROW** and **ART ENRIGHT**.

The material used in making knobs is urea formaldehyde, a granular powder looking a little like coal dust. When being molded, the material is subjected to a heat of 320°F. and pressures up to five tons. This combination turns it to a plastic, homogenous mass which solidifies to a very hard material in the exact shape of the die in which it is molded. The curing cycle or length of time the material remains in the die becomes critical as the temperature is increased. This means that the presses must be frequently checked for time and temperature, setting the heat to the correct degree and the curing cycle to the exact second. Time, temperature, pressure, condition of materials, amount of material placed in the die are all important factors involved in producing good results.

Probe noses are molded of the same material while the bodies are made of fiberglass reinforced alkyd, a very tough plastic which must be warmed and pre-formed into a cylinder before being placed into the die. As the die closes the alkyd is softened and forced up around the tubular brass insert and the aluminum tag is shaped into the alkyd. This operation creates a plastic "jacket" one-sixteenth of an inch thick on the outside. The new probe is by far more efficient from the stand-

point of production as it is less expensive, more compact, it is insulated, and has a better appearance.

Out of the experimental stage, the Plastics Department is now a going concern, ahead of production demands, and great hopes are held for its future expansion. More dies for scope parts are now being made, and there will probably be even more in the near future.

The department is one more testimonial of Tektronix' philosophy, "Why buy it if we can make it efficiently?"

* * *

BAKELITE DEPARTMENT

By Jack Clark

BLANCHE BERG, IDA SMITH, HELEN REED and LUCILLE OVERLAND are the ladies that keep the Bakelite Department humming with the production of the many bakelite items that are important components in the Tektronix instruments.



Blanche Berg

Ida Smith

It is in this department that the bakelite posts, F and I, transformer, neon and resistor boards are made. Over one hundred different kinds of bakelite boards are required for the various instruments. These boards have from two to forty-eight posts, depending on their place in the electronic picture.

The bakelite material comes in tubes, rods, and sheets, and is stored ready for fabrication as needed. The fabrication processes are aided by almost one hundred jigs of all kinds. The finished boards go to the Assembly Department in made-up kits of the various bakelite units, the kits containing from one to six boards, depending upon the requirements of each type of assembly, such as F and I assembly, sweep output, etc.

Besides doing the sub-assembly of the boards, which requires the insertion of the many CTC posts, BLANCHE also keeps inventories of the units and makes up orders for the bakelite items to be ready when needed.

In the fabrication of the raw stock, HELEN

saws, drills, sands, taps and cleans the material - the cleaning operation accomplished by oiling and wiping.

On the lathes, IDA cuts, drills and taps from forty-five to fifty different types of bakelite posts. She also sands, and drills the holes in some types on the drill press, for the wire openings and escutcheon pins.



Lucille Overland

Helen Reed

LUCILLE makes the many kinds of bakelite coil forms required, doing the necessary turning, drilling and tapping on the lathes. She also assembles the coil forms, ready for subsequent wire-winding operations in the Transformer Department.

Lucille, whose home is in Portland, worked nine years for Superbilt Manufacturing Company as a machine operator and machinist before coming to Tektronix in September, 1951. She has two boys - her hobbies are her sons and oil painting.

Helen came to us in November, 1950. Previous to that she was a homemaker, finding her chief interests in ceramic painting and raising flowers, especially delphinium. She has two married daughters and three grandchildren, and lives in Milwaukie, Oregon.

Ida joined Tektronix in August, 1951 after working five years as a machine operator for Oregon Woolen Mills. She has one daughter, and also makes her home in Milwaukie where her large flower garden shares attention with cooking, skating and bowling.

Blanche started with Tektronix in June, 1952. Like Helen, she was busy maintaining her home before coming to work with us. Blanche lives in Beaverton and has one daughter and four boys. She is interested in outdoor sports, and softball in particular.

This, then, is a glimpse of the Bakelite Department and of the pleasant, industrious people who help keep the stream of bakelite parts flowing to Assembly.

* * *

WANTED: Picnic Committee - turn in your name to your Personnel Committee Representative.

YOUR CREDIT UNION OFFERS

LIFE INSURANCE

Any deposit, up to \$1000 is the equivalent of a life insurance policy of the same amount. For instance, if you were fatally injured tomorrow, your survivor would receive \$2000 for the \$1000 you owned in shares. This insurance is free and automatic, a service of your Credit Union.

DIVIDENDS

Since the Credit Union is a non-profit organization, all earnings in excess of operating expenses are returned to the members in the form of dividends. Credit Unions consistently pay higher rates of interest than savings banks.

LOW COST LOANS

Members who own shares may borrow up to the amount of their shares, using their shares as collateral for the loan. The interest rate on this type of loan is one-half the rate on other loans, if more than \$500 in amount. This transaction permits you to leave your savings intact, you continue to earn dividends on your shares, life insurance (up to \$1000) remains in force, and you also have loan insurance in the amount of the loan.

JOINT ACCOUNTS

Members may open joint accounts with another member of their immediate family. In the event of death of the member, the surviving member receives the proceeds of the account without probate expense.

ESTATE BUILDING

If you don't have \$1000 to deposit, you may borrow \$1000 (or less) and buy shares for that amount, using the shares as collateral for the loan. You immediately have a \$1000 savings account and a \$1000 life insurance policy. Your \$1000 shares start earning dividends, and you have started a systematic saving procedure.

* * *

THE CREDIT COMMITTEE

Your Credit Committee has a twofold purpose -- service and safety. To the borrower it must be liberal enough to do good and sufficiently conservative not to harm the member or endanger the solvency of the Credit Union. If the Credit Committee is too liberal, the member may become hopelessly involved in debt and the Credit Union may sustain

serious losses. If the Credit Committee is too strict, the members may obtain little service and the Credit Union may suffer from lack of earnings. Theirs is a difficult task, not often met with understanding. To accomplish their purpose of service and safety, they need information on the purpose for which the loan will be used and on the borrower's ability to repay. Here the Credit Committee is in a position to offer valuable service helping the member to help himself. As an aid, the committee sometimes suggests using a financial work sheet to assist members in planning their savings, spending and borrowing. A copy of this work sheet is available from your Credit Committee if you desire to plan wisely. Probably in no other place are finances handled so carelessly as they are in the home. Your Credit Committee members strive to merit your confidence -- theirs is a role of service.

* * *

LOOKING THRU THE CRYSTAL BALL

This is NOT the time to BUY or to BORROW TO BUY. Prices are dropping, and in a few months you should get more for your money. Here are several reasons why:

Farm prices started down in February, 1951 and are still dropping.

Farm Index	1951 -- 312
	1952 -- 288
	1953 -- 264

Thus, food prices should continue their downward trend.

Appliance prices should come down. Production is at high level and sales are declining despite intensified sales promotion.

Used car prices are zooming downward because production is high and used cars are piling up. Credit sources are tightening their belts which will further push prices down.

Housing prices are dropping. The trend of lower prices on homes is expected to continue and by 1954 you should get your money's worth.

Now is the time to pay up your debts and start saving -- to be in a position to buy at bargain prices within two years.

* * *

A dinner party at Henry Thiele's was enjoyed by the Credit Union officers, directors and committee people for the purpose of becoming better acquainted and exchanging thoughts on extending their service to members. Arrangements were made by JANE GRACE, secretary on the board of directors.

BONNETS AND BOOTEES

Oh, happy daaaaay -- was May 3rd when a new boy named James Richard arrived to make life even more interesting for Agnes and CHARLES (Sandy) SANFORD, proud and happy parents of little Raymond, Sue and Nancy.

BUD SIEGEL of Shop, somewhat fatigued but truly happy, announced the arrival of his son Steven Philip on May 9. Baby Steven weighed in at 6 lbs. 14 oz.

IVAN ARNOLD of Shop happily announced the arrival of Fredrick Bert just before dawn on May 9. The boy is starting off life in the heavyweight division, weighing 10 lbs. 3 oz.

Karen Marie Vistica came for dinner at 12:15 p. m. on Mother's Day and will stay indefinitely with the JOE VISTICAs. She weighs a nice chubby 7 lbs. 15 oz. Joe, you're outnumbered -- you'll take frills and like them.

* * *



* * *

'Twas the luck o' the Irish with her no doubt when SALLIE McGUIRK attended Columbia Prep's Carnival on April 23rd and held the winning ticket on a fur coat. Feeling like she should leave at least a token amount at the carnival to help defray costs, Sallie invested in bingo games and came away with a crate of oranges, an apron, a vase, passes to the Broadway Theatre, Italian hand-embroidered pillow cases -- and eleven chances on a car. No, she didn't win the car.

TEACHERS VISIT TEKTRONIX

Tektronix was host to a group of twenty school teachers on April 29 in observance of Business Industry Education Day in Portland. The day is set aside each year to enable business people and those in the educational field to meet for the purpose of acquainting the Portland school system with the various industries. Visits are exchanged annually -- one year educators visit commercial and industrial plants, and the following year people from business and industry visit the schools.

The morning's program included a tour of the plant, then luncheon with the teachers as guests of Tektronix at Berg's Chalet. The afternoon was devoted to a discussion session and talks given by HOWARD VOLLUM explaining the oscilloscope, BOB DAVIS featuring the production setup, DAL highlighting our sales operations, and MILES on personnel methods.

The visit provided the teachers an excellent opportunity to see the people at work, to ask questions, and in general to pick up much more than could have been gained without direct contact. The teachers were deeply appreciative of the very fine attitude of all of our employees in answering questions and making the visit by the teachers worthwhile.

* * *

ENGAGED

MARYELLEN ANDREWS has finally said "yes" to LES STEVENS, and their engagement was announced on April 11. The wedding will be held on June 19 at the Grant Park Baptist Church. Lucky boy -- happy girl.

WED

Gladys Hutonen and DICK MACNEILL of Test were married Saturday afternoon, May 9 at Stevenson, Washington. Congratulations, Dick -- may you and Gladys be very happy.

MESSAGE DELIVERED

All Taft High School science students, observing Career Day on April 24th, heard DON KEPLER speak of Tektronix and the electronics industry. In his talk he went into the history and growth of Tektronix, our production setup, the what and wherefore of our products, the future of the electronics industry as a whole, and the training and qualifications required to advance in this field.

In pointing out the ever increasing need for trained engineers to keep up with the rapid growth of the industry, Don left the young people with much food for thought.

Dick Ropiequet....Cont'd from P. 1 physics, geology and mathematics. Chemistry is his major in scholastic credits (Bachelor of Science, University of Illinois).

At the Firestone Plastics Development Laboratory, Pottstown, Pa., where Dick was employed from November, 1946 to May, 1949, his knowledge of both chemistry and electronics involved him in the development of electronic test and production equipment used in plastics development. Some of the projects involved were the development of dielectric heating equipment for making seams in plastic sheeting, work with electrical grade plastics and with material for phonograph records.

Among Dick's first projects at Tektronix were a series of special instruments developed in cooperation with the University of Oregon Medical School, for use in studies of the nervous system. As word of their usefulness spread in medical circles, other requests were received and continued customer interest prompted Dick to further develop them. These instruments, now in production as the Types 122 Low Level Pre Amplifier, 160 Power Supply, 161 Pulse Generator, and 162 Waveform Generator, are finding many new research applications.

For the past two years much of Dick's well utilized time has been devoted to the design of a new type of time base (sweep) circuit. This circuit embodies many novel features which provide a high order of accuracy and linearity, as well as very wide range and simplicity of operation. The Type 315 scope is our first instrument to use the "Ropiequet" sweep.

His unusual ability to visualize the functioning of complex circuitry and a willingness to help others with their problems have made Dick highly appreciated as head of the new products design section.

Dick is a man of many interests and enthusiasms. Top on the list is his family and home. His lovely wife, Eleanor, exhibited quite some pride when giving us some of this information. She charmed him into catching her in only two months after he came to Oregon and is delighted that he prepares the waffles each Sunday morning. The young Ropiequets are Donald, age 2, and Mark, age 1, each a pride and joy -- most of the time.

Realizing that two lively little boys soon grow into two lively big boys, the Ropiequets have been busily dreaming up a plan for enclosing more space at 2645 S. W. Austin Rd. They hope to perfect their plans and be ready to start work by (bye, bye) bonus. Dick is combining his interest in horticulture with

his knowledge of design and composition to create a delightful garden setting for their home.

Dick's other interests are many and varied. He is an accomplished pianist, swimmer, golfer, tennis and basketball player, artist, and furniture maker. He is also an enthusiast of photography, hiking, bowling and choral singing.

* * *



BARB EKSTROM, wiring the 517 Amplifier, and PEGGY WHOOLERY on the 315 Sweep as they appeared in Meier and Frank's window during Oregon Products Week.

* * *



GEE, FRONIX, THERE'S ANOTHER GUY FROM THE FRONT OFFICE THAT AINT GONNA MAKE IT TO THE NEW DEPT.

* * *

Things are picking up in the Receiving Department -- BILL DEGNER makes light of the heavier equipment received now that he can pick it up and move it around the plant with the new battery operated fork lift. The entire lift weighs 2500 lbs., 1600 lbs. of it all battery. (Net weight, not including Bill.)

TEK TALK



VOL 2 NO 5

JUNE, 1953

SIGNS OF CHANGING TIMES



BOB HERREN, among a handful of others, remembers Tektronix in its infancy, and has contributed much to its growth. As we grew, and part-time duties became full time jobs, and jobs grew to require additional people, Bob's broad interest in the overall picture was narrowed down to supervision of the Test Department and a number of necessary technical services such as construction of special test equipment for our own use, and a certain amount of "trouble-shooting" and adjusting of plant equipment.

As was inevitable with further expansion,
Cont'd on P. 8

GENERAL MANAGER'S MEETING

At the general meeting held last month, BILL WEBBER introduced JACK MURDOCK who told us that an Advisory Board of seven people has been formed to serve in a management advisory capacity as they are closer to everyday details of operation than the officers and directors. They will be rotated from time to time. He also advised that the opinion survey, which was taken immediately after the meeting, is intended to give us a better idea of how everyone, rather than a small number of more outspoken people, feels about particular phases of working at Tektronix.

In order to have a good place to work, he pointed out, policies and decisions must be made in a manner to include the needs of the people - both the advisory group and the opinion survey were initiated with that purpose in mind.

WILL MARSH REPORTS...

Bi-annual Road Shows are by now a Neely tradition in the Southwest. Our distributor in California, Nevada, Arizona and New Mexico, Neely Enterprises brings the showroom to customer's door in the pattern of the old theatrical one-night stand.

The Spring Road Show is set up to cover all of California except the extreme southern part. This Spring we started at Palo Alto with two trucks and four station wagons, loaded with equipment representing Tektronix, Hewlett-Packard, Varian Associates, Sierra Electronics, Gertch Products, Brown Electro-Measurements and several others. Seven factory men and from 8 to 10 Neely men made up the complement.

After a well attended show at Palo Alto, we tore down the exhibit and stowed the equipment in the six vehicles. The first impression one gets of this operation is one of coordinated chaos. This condition gradually resolves itself into complete consolidation by a process of toil, tears, blood (yes, skinned knuckles, yet) and sweat. The handling of quite a few kilobucks worth of scientific e-

Cont'd. on P. 7

* * *

CASSIDY RIDES AGAIN. . .

to open the new Philadelphia Branch office on June 1st and provide more concentrated service to our customers in eastern Pennsylvania, southern New Jersey and the State of Delaware.

FRANCIS FROST, native of Portland, veteran of the old stamping grounds, and since April of last year Field Engineer in Baltimore, is taking over the reins in Philadelphia with newcomer DOROTHY BENNETT's secretarial assistance.

Congratulations to JACK CASSIDY and the Eastern Field Engineering Division -- the best of luck, Francis and Dorothy.

The new Tektronix address is 7709 Ogontz Avenue, Philadelphia 38, Pennsylvania, and the telephone number WAverly 4-5678.



VOL 2 NO 5

JUNE, 1953

EDITOR Irene Garvey

CONTRIBUTING REPORTERS

Marian Arnold
Vern Bartlett
Kay Bartmess
Faye Brown
Lorenzo Brown
Jack Clark
W. K. Dallas

Charles Jay
Will Marsh
Scotty Pyle
Dick Schmidt
Helen Thome
Miles Tippery
Cy Woodworth

PHOTOGRAPHER - Ed Egan

TEKTRONIX TWOSOMES

THE KEN BEALS

By Faye and Rennie Brown



Another one of our ball and chain couples in the Tektronix family is Delores and Ken Beals. Ken has worked on the 517 and 524 instruments as well as final assembly on the 513 with which he is most familiar. Delores is at home on the 315 but also helps out on the 514 occasionally. Ken and Delores joined Tektronix in the summer of 1952, and have since proved to be solid citizens of our community. All this is on the surface, though, and what we don't know is about their past. Yes, they have a past, so let's pry.

Delores was a student of the Mankato, Minnesota grade schools and then was transplanted to Pullman, Washington where she graduated from high school in 1948. After a temporary job as a restaurant waitress, she spent the next four years as a "hello" girl at Interstate Telephone Company in Pullman.

Delores' waitress career was a brief three months -- just long enough to attract the unsuspecting Ken from his service station next door. Seems he has a weakness for a good cup of coffee.



Ken remained more stationary geographically, spending all his grade, high school and year of college in Pullman. He managed a service station, managed a lunch counter, and was a salesman for a Ford garage before the summer of 1952 when the Oregon country called.

Besides their employment interests, Delores is taking sewing lessons evenings, and Kenny is a trained watchmaker, an "automotive" bug, and enjoys fishing. Delores also likes to fish, and keeps scrapbooks. Married since August, 1949, they are active, happy -- and enjoy television in their own little home in Beaverton.

* * *

Change isn't necessarily improvement. Sometimes the old setup is better than the new upset.

* * *

VISITORS FROM THE SUNNY SOUTHLAND

For the purpose of renewing old acquaintances as well as making new ones, Norman B. Neely and Robert L. Boniface of Neely Enterprises dropped in for a visit Monday, May 25. Norm is the owner of Neely Enterprises with headquarters in Los Angeles, and has functioned as distributor of Tektronix instruments for the States of California, Nevada, Arizona and New Mexico ever since the very first day that actual production of our instruments began. Bob Boniface is General Manager of the Neely organization, and is kept plenty busy riding herd on the needs and looking out for the welfare of their group, now expanded to thirty-six persons operating from five branch offices in the four states.

Norm and Bob were very favorably impressed with the expansion in Tektronix activity and facilities which was so noticeable to them since their last visit of approximately a year ago. They are firmly convinced that our advanced engineering activity and the superior Tektronix instruments, those that are current as well as those projected, will materially aid them in doing an even better sales job in the future than they have turned in in the past - which has been "tops". Welcome anytime, boys.

* * *

BONNETS AND BOOTEES

NEPPIE SWANSON, everyone here is happy to hear, was blessed with a baby girl on May 14, and is feeling fine. Marta Marie weighed 8 lbs. 1 1/2 oz. without booties.

Charlene and HARRY ALLISON's firstborn is a 6 lb. 11 1/2 oz. boy named Robert Clyde born May 14.

DICK PHILLIPS, also of Test, happily announced the arrival of 8 lb. 11 oz. Richard Elmer on May 12.

Test - again. ROD KENNEDY's wife presented him with a lovely little girl, weighing 6 lb. 12 1/2 oz. on May 15.

JEAN PEARSON called us from Emanuel Hospital when her boy Kevin arrived on May 19. A 17-inch, 5 lb. 6 oz. featherweight, but punching a mean wallop.

KAY ALLEN's boy Leonard Gerald was born on May 24, weighing in at 6 lbs. 8 oz. Leonard will be getting plenty of attention from his big brother and three sisters.

ORVILLE RIGGS was pleased as punch to announce the arrival of James Randolph on May 31st - weight 5 lbs. 2 oz. Daddy Orville says the boy is in fine voice.

Ingrid Elizabeth, over 7 lbs., arrived on June 5 to the joy of ANA HAAS.

ASSISTANT TO PERSONNEL MANAGER



Since DON KEPLER'S move to the Administrative Department last February, he has been located in the Personnel Department, preparing a handbook for Tektronix people.

It was inevitable that Don's fine spirit of cooperation and matching ability would draw the appreciative attention of the Personnel Department -- so that unit "latched on" to him as of June 1st to act as assistant to the Personnel Manager, MILES TIPPERY.

* * *

Experience is what you have when you are too old to get a job.

* * *

SCOPE CLASS

As the design and construction of the first Scope Class instrument becomes a reality, considerable interest has been indicated by those anticipating a second class. The class, composed of people interested in electronics, was organized on April 12, 1952, to design and construct an oscilloscope that would meet the application of the greatest majority of the class members. It was intended that the first class do the planning work while subsequent classes review the problems and their solutions, but not attempt a complete design. The benefits gained from an understanding of the problems related to the design and production of oscilloscopes would accrue to the individual, and indirectly to Tektronix by having people with a wider practical experience.

Now with the first class completing their project, it again becomes desirable to bring to your attention the fact that there will be a second class starting soon.

A tentative estimate on the cost of building a three-inch instrument about the size of the 315-D, is one hundred dollars. A final cost breakdown may vary this slightly. If you are interested, please sign your name on the list attached to the bulletin board.

SHOP TALK

A Forward by Vern Bartlett

Relief (temporary, at least) from the shop's "growing pains" came with settlement of its people and equipment in larger quarters in the new building. The shop has been transformed into a "mechanical laboratory" with the sunny brightness of its decorations (white, yellow and green), fluorescent lighting, new equipment, well cared for older equipment -- and a swell gang a perfect complement. Most proud of its new setup, the shop wants to share the details of its expansion with everyone. It's too long a story to cover in one issue, so a series of articles is being written to appear regularly in Tek Talk.

SHEAR TABLE AND HYDRAULIC CRANE

By Jack Clark

An interesting and advanced feature of the new shop is the equipment used to handle large aluminum sheets and other heavy supplies received into the shop.

The big Wysong power shear (Tek Talk, Dec. 1952) has been mounted on a separate floor pad to quiet its operation.

Behind the shears a hydraulic lift table (2-cylinder scissors type) has been added. The table may be raised to a proper working level as high as 36" above the floor by means of an electric pump and foot control. Sheets of aluminum stacked on the table are fed, sheet at a time, to the power shear for cutting. An 8 3/4" deep recess in the floor permits the table to be lowered flush with the floor to provide, when required, the floor space normally taken up by the table, and to facilitate cleaning.

Above the table a traveling overhead crane is mounted on a 24" steel I-beam across the raised ceiling, eight feet inside the large, chain-operated roll door at the north end of the shop. The crane is equipped with a four horsepower motor and is operated with a suspended control box. It has a lifting capacity of 4,000 lbs. by means of stranded steel cables on a drum, and is supplied with heavy grab hooks for lifting large loads. The crane, when raised to maximum height, has a safety device with an automatic shutoff to prevent snapping of the cables. It travels 25' by means of two chain-operated, spur gear driven wheels riding on the lower flange of a smaller I-beam rail beneath the large supporting beam.

Trucks are backed through the vast doorway into the shop under the crane, and heavy



SHEAR TABLE

loads are quickly and easily removed for storage or for transfer to the shear table.

A section of floor by the north wall is made of 12" thick concrete, reinforced with 3/4" rods; on this 20-ton capacity floor area as many as ten 2-ton skids of aluminum sheets can be stored at one time. Extruded materials, rods, bars and tubing are also stored in bins in this area of the shop, and a nearby power saw is used for cutting the material to required lengths.

Considering that one 4' x 12' sheet of .125" aluminum weighs 86 lbs., the value of this time and labor saving equipment can readily be recognized.

Next month will be featured The Scopemobile Department.

* * *



Who in Shop brought home five goats in his car? -- and we're not "kidding"

* * *

POSTSCRIPT

What we didn't tell you last February was that GEORGE AITKEN married a wee Scottish lassie on Christmas Eve who was able to join him here on June 5th. Her name is Elizabeth Henderson Kinloch Hastie Aitken.

Congratulations, and many happy years together, George and Elizabeth.

**FOR COMPARISON WITH YOUR PRESENT
EDUCATIONAL INSURANCE COVERAGE**

If a member will save as little as \$5.00 per month, regularly, for a period of ten years in the Credit Union, and provided that the rate of return averages 3 percent or better (last year's was 4.8 percent) he will accumulate \$697.94 in cash. If, with no additional investment, the savings remain in the Credit Union for another ten years (figured at 3 percent), he will accumulate \$937.92 in cash.

The life savings plan is a group life insurance plan which applies to all share balances up to a maximum of \$1,000.00. The premium is paid by the Credit Union as an expense and does not interfere with dividends.

Only eight years are required to build up an insurance coverage in excess of \$1,000.00 with a cash value of \$541.41. If the plan shown in the table below is followed, the average weekly investment amounts to less than 58 cents a week and accumulates a life insurance estate of \$1,875.84 in a period of twenty years.

CUMULATIVE TABLE TO INDICATE YEARLY BALANCES

SAVE \$5.00 PER MONTH	YOUR SAVING	TOTAL EARNINGS END OF EACH YEAR	CASH VALUE	INSURED VALUE
1st year	60.00	.90	60.90	121.80
2nd year	120.00	3.62	123.62	247.24
3rd year	180.00	8.22	188.22	376.44
4th year	240.00	14.76	254.76	509.52
5th year	300.00	23.30	323.30	646.60
6th year	360.00	33.70	393.70	787.40
7th year	420.00	46.51	466.51	933.02
8th year	480.00	61.41	541.41	1,082.82
9th year	540.00	78.55	618.55	1,237.10
10th year	600.00	97.94	697.94	1,395.88

IF YOU STOP SAVING, BUT ALLOW EARNINGS TO ACCUMULATE

11th year	x	118.87	718.87	1,437.74
12th year	x	140.43	740.83	1,481.66
13th year	x	162.65	762.65	1,525.30
14th year	x	185.53	785.53	1,571.06
15th year	x	209.09	809.09	1,618.18
16th year	x	233.36	833.36	1,666.72
17th year	x	258.33	858.33	1,716.66
18th year	x	284.08	884.08	1,768.16
19th year	x	310.60	910.60	1,821.20
20th year	x	337.92	937.92	1,875.84

Start an insured savings account with us today for your son or your daughter. The entire family may share in these benefits.

* * *

PLAN NOW

to save a portion of your bonus. As a convenience to you, a payroll deduction card may be filled out in advance to place a portion of your bonus in your Credit Union.

Your savings will earn you an additional dividend. Even with a very modest amount, you've started on the road to a sound savings program.

Your Credit Union Treasurer will be glad to help.

* * *

BOWLING RESULTS

FINAL SESSION, 1952-53



l. to r. f.r. Kay Bartmess and Al Briggs
b.r. Dick Tollison, Bob Johnson, Bill Degner.



Ida Smith (High Game-168)
Kay Bartmess (High Series-492)
Bob Johnson (High Game-216)
Dick Ropiequet (High Series-554)
Gladys Koch (not pictured) (High Game-168)

* * *

TODAY'S ODDITIES

A man has to make around \$20,000 a year before he can afford to hire all his wife's work done, insurance counselors say.

If he makes about \$5,000, then the wife is contributing more to the family income than he is -- just by running the house and taking care of the children.

SWING SHIFT "JETS"



l. to r. Bill Johnson, Corrine Johnson, June Bass, Don Burkey. Bill Hutton was unable to stay for the picture, but also holds a trophy.



Bert Eberly (High Series-571)
Carl Helmer (High Average-159)
Helen Thome (High Game-182)
Don Pratt (High Game-216)
June Ruyle (High Series-430)
Corrine Johnson (High Average-126)

* * *

TROUT DERBY UNDERWAY

Seven people have entered the Trout Derby so far - hurry and get your name and dollar in to CLAIR KIDD. Prizes to be awarded for the longest trout caught this season will be cash awards - first place winner gets half the kitty, second place thirty percent and third place twenty percent. A 16-inch fish (trout?) has already been entered.

Flash - BOB POULIN has edged ahead in the race with a 16 1/4-inch Rainbow.

* * *

A Communist is a fellow who has given up all hope of ever becoming a capitalist.

Will Marsh on Neely Road Show...Cont'd
 equipment at ten different comings and goings is not something to be done without plan. Every carton is numbered, and fits into a particular spot in a particular vehicle. This is the only way a road show can be completely dismantled, packed and stored, ready to roll, in thirty minutes. One important requirement is that the equipment perform properly at the next stand.

The next stop was San Francisco, where we showed at the Hotel Whitcomb. Most of us know San Francisco as a place of many interesting historical spots. Well, there are other interesting spots.

After San Francisco we set up at the Claremont Hotel in Berkeley, an exceedingly interesting stop. Very many engineers and physicists from University of California Radiation Lab visited and discussed equipment operations and requirements. It always seems strange to encounter a man from one of these big activities who doesn't know Tektronix equipment; perhaps they lose themselves in some dusty corner of a remote lab, coming out for food and haircuts at sporadic intervals.

From Berkeley we had a long, pleasant ride to Sacramento for an introduction to Rudy Poucher's constituents. New activity at McClellan Air Force Base was evidenced by a number of question-asking engineers. Sacramento at night can be quite pleasant.

After Sacramento, was the really long trek to Fresno, where we finally holed up in an establishment which boasts the most flavorful roast-chicken-in-wine that ever graced the gums of a giddy gourmet. Oh, tender juicy bird, oh, noble chef.

The show at Fresno State College was an example of Neely Enterprises' foresight. Showing only to a group of students who are potential engineers and physicists, we can expect no immediate return, but we can make lasting impressions on men who will some day require the best in instrumentation. It was a refreshing experience to talk with young fellows who were eager to see, learn, and know.

On Friday night the safari headed for Los Angeles, and we draw a modest veil over Saturday and Sunday.

Monday morning found us driving through the cactus and sagebrush of eastern Los Angeles, where there is no housing problem (no people). We set up at National Bureau of Standards in Corona where there is a large requirement for electronic gear. This establishment seems like a millionaires' coun-

try club in the middle of the desert, and twice as exclusive, but we made more friends and answered more questions.

Tuesday's desert sun soon shucked off coats and neckties as we rolled through Mojave's vast emptiness to Inyokern. Dry and dusty but not defeated, we unloaded our boxes of wheels and parameters at the U. S. Naval Ordnance Test Station (you can see why they don't alphabetize this name). This was a busy entertaining afternoon. People could and did, talk about unclassified aspects of their work. Many questions were asked and answered on both sides, and approaches proposed to several problems. An interesting unit collected together here in a closed corporation consisting of a Type 512, a Type 112, and a dual-beam CRT. Apparently the fellows keep it very much in use to satisfy a dual-beam scope requirement.

The stops at Culver City and Point Mugu were more of the same: interesting but not outstanding.

The last station, at North Hollywood was like the grand finale of a comic opera, with everything but a Swiss bell-ringer. Everybody was there. People were asking about every instrument Tektronix ever made and wanted to know why's and how's and when's, a real bang-up finish with ruffles and flourishes and everything but sideboys. A thousand people, and nine hundred of them talked about our gear.

Well, that was it; rough and rugged in spots, but ripe and rosy in the sunshine. Thanks, Norm Neely, for revelations, great expectations, and, shall we say, some elations?

* * *

THEY WERE MARRIED

at St. Helen's, Oregon on Saturday afternoon, June 6. He's George Williams - in the Navy - she's ELAINE SUTTON WILLIAMS in Assembly. Our best wishes to you both.

* * *

TRANSFERS

GINNY LEVENS left Ceramics to give assistance in tube assembly in the Engineering Department as of May 18.

JUNE RUYLE is officially transferred to Ceramics from Cables since May 18.

LEO WULFF is now in Test since May 11 after a brief indoctrination period in Assembly.

Leon: Come on, Arnold, time for a cup of break-fluid.

the need for technical services grew to such proportions that Bob, not one to complain, was attempting to "spread himself too thin". Accordingly, Bob is gradually being relieved of supervision in Test by ED BAUDER and will soon devote full time to maintaining such plant equipment as the internal communication facilities, the music and transcribing instruments, and the heating and air conditioning controls. In addition, he will maintain and calibrate various electronic instruments, maintain fire fighting apparatus, and continue the movie program.

Bob's long electrical, electronic and mechanical background, and his exceptional ability to detect and analyze "bugs" in technical equipment make him not only well qualified but really in his element in this latest assignment. In his new position of Technical Maintenance Engineer, heading plant wide technical services, Bob will report directly to general management. Best wishes in your new assignment, Bob.

Well remembered to many is the flurry of a couple of years ago when it became readily apparent that there was a deep-seated need in the Tektronix Field Engineering Forces for Field Engineers with Portland experience. Among the several who were transferred to positions in our Eastern Division was ED BAUDER, who spent an indoctrination period with JACK CASSIDY in New York and then was dropped unceremoniously into the difficult spot of functioning, not only as branch manager but full crew of the Baltimore branch office operation. Having successfully met the challenge, his efforts were aided and bolstered by the addition of JEAN O'BRIEN, FRANCIS FROST and FRED HART.

A short time ago it became equally apparent that the pendulum had reversed its swing; and as a result, a deep-seated need now existed at Portland for Field Engineering experience and firsthand acquaintanceship with actual customer viewpoints.

With added space available and the Test and Calibration Department expanding to embrace Component Test as well as Field Maintenance Repair, Ed was tapped to serve as Test Department Supervisor, reporting to BOB DAVIS.

We are confident that Ed's experiences of the past year-and-a-half will stand him in excellent stead in his new position, and although the Sales Department will keenly feel its loss (temporary loss?), nevertheless their collective best wishes and the sincere expression "Well done" accompany Ed.

STUDENTS VISIT

Forty Lewis and Clark College business administration students took a shortcut in their studies by setting aside text books and theory for a three-day look into the practical side of business and industry.

On Tuesday, May 26, MILES TIPPERY prepared them for a plant tour with a talk on the history of Tektronix, and conducted a question and answer session.

The tour was planned and carried out by DON KEPLER on Wednesday. While half the visitors toured the plant, the others were shown the Naval training film "The Cathode Ray Tube Oscilloscope" by BOB HERREN, and were given a demonstration of the 512 scope with the 180 time marker generator by BILL POLITZ of Engineering.

On Thursday following the tour JACK MURDOCK was asked to address the students to discuss the business and economic phases of our company with them.

One of the purposes of present day society is to coordinate theories taught in school with actual practice in the world of experience. We go along with such thinking and want to assume our share by cooperating whenever possible.

Professor Walter Mead, who had arranged for this program, expressed the high interest that was indicated by the students in what they had seen, and felt that the idea was sound from an educational standpoint.

* * *

NEW FACES

Assembly: MAXINE BERGERON and DONNA WILLEY. BYRON WITT and WIN BACKSTRAND temporarily.

Shipping: BILL EWERS and CLINTON PARMLEY.

Stock: PAUL TRIPP and BOB RANDALL.

Printing: GISLE BORLAUG.

Office: REVA STRONG and DOROTHY BENNETT (Philadelphia).

Welcome, people - may your association here be a most pleasant experience.

BACK HOME

LAVONNE HEIMBIGNER has returned to the Cables group after an absence of over a year.

HILDRED SCHMIDLING is back in Transformers to help out for the summer months.

SAM TABSHY will be around this summer in Component Test.

TEK TALK



VOL 2 NO 6

JULY, 1953

DAVIS

"...an unidler guy is hard to find."

BY WILL MARSH

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

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

Bob was born in Seattle when the year 1919 was almost done and began early to exhibit the characteristics of a Character; in short, he was a Precocious Child. Time is an insidious mocker to most of us, but to Bob, Time is a gracious friend; an unidler guy is hard to find. As an uninhibited urchin he invented circus parades to the vast entertainment of the neighborhood. He also embarked on a miniature circus project in-



cluding seats, tent, circus wagons, and all the trimmings. His sister made costumes for the doll performers and helped paint the posters; then the whole show was displayed at the school. Again, this small-size power plant proceeded to print a weekly newspaper, taking ads, reporting (Editor, please note), editing and printing. As a matter of current interest, the first Tektronix forms were printed with his equipment.

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

Somewhere in this picture a clashing color appears. It's improbable, unlikely and perhaps even irreverent, but it's there. This man with dextrous digits, with wheels in his wig, and brawn in his back is, also, (this kills me)

Cont'd on P. 8

LOGAN RETIRES FROM TEKTRONIX

By Bill Webber

At an Engineering Department meeting Thursday, July 16, it was regretfully announced that our blond Idaho friend is departing from our midst as an employee and stockholder. During the past five years, many of us have come to lean on LOGAN BELLEVILLE for help when in trouble. Everyone has deeply and sincerely appreciated his humor, wit (or part thereof) and sage advice.

Our pal feels that he liked the "Halls of Ivy" while at M. I. T. -- Radiation Labora-

tory during the war and wants to become more familiar with those at the University of Washington. Confidentially, it is suspected by some of his more suspicious cronies (Rhiger and Nolan) that he has approached that dangerous age where he hopes to trap a coed or six in some Hall of Ivy that's dark with no exit at the other end.

His plans are not complete yet, but in addition to "seeking larnin'", he plans to

Cont'd on P. 8



VOL 2 NO 6

JULY, 1953

EDITOR Irene Garvey

CONTRIBUTING REPORTERS

Vern Bartlett
Jack Clark
Blanche Cook
Will Marsh

Dick Schmidt
Miles Tippery
Bill Webber

Photographer - Ed Egan
Cartoonists - Jack Clark
Arnold Rantala



MORAL: People who park cars rear end toward building may need considerable pull.

Everyone's cooperation is asked, if parking close to the plant, to park facing the building to avoid damage to flowers and shrubbery and marring the building with exhaust fumes.

Parking back to building does not guarantee a quick takeoff anyway, not even by Cadillac, **WHITEY EMMARSON** can testify.

* * *

Erik Ferner sends his congratulations to all those who made possible a prompt shipment of a replacement tube to Sweden, enabling his customer to place his scope in operation. Erik writes in part about his customer, "it was very much appreciated by him that he received this replacement tube on warranty only four days after he asked for it".

While we attempt to provide this type of service at all times, it isn't often we receive all the details to be able to tell the complete story. By complete details and efficient handling at all points, our overseas distributors and ourselves working as a unit, we are able to provide the type of service we want all Tektronix users to expect.

ASSEMBLY PLANS RESHUFFLE

Tektronix is not only happy, but considers it good business, to pay for a job well done. The earnings of our people are as high or higher than you would expect to receive for a comparable job in any similar industry. Frequent comparisons are made with the wages being paid in other plants operating on the West Coast, and particularly in the Portland district.

A problem has presented itself, however. How well a man did in the early days of Tektronix was easy enough to determine when each of our few supervisors was familiar with everyone's work. Since we have been growing, with more people and more instruments constantly being added, and many more specialized jobs being created, it has become difficult under the group system to judge accurately each individual's merit, as there is often no one else within the group doing a similar type of work. Something would have to be done. As we still want to maintain our policy of increasing pay rates and promoting people strictly on merit, the need became apparent for a means of closer observation of each person's merits.

JOHN TAYLOR announced a plan of action at a meeting of the Assembly Department on July 6. Grouping by job classification. People doing like work in Assembly will be grouped together as follows: Mechanical Assembly, Unit Wiring, Final Assembly and Inspection. The group leader in charge of each section will have a reasonable and logical basis for determining merit by comparing the ability and other attributes of each individual with others doing the same type of work.

Accessories and Cables is a separate unit under the supervision of **WENDELL FERLAND**.

The Inspection Section has been set up as of Monday, July 13 to include **BILL BARNES**, **JACK HUGHES** and **HERB CRAWFORD**, with **WHITEY EMMARSON** in charge. Other sections will be arranged as soon as convenient.

* * *

MAXINE CALVERT in Assembly, an ace in the Sylvan Archers was awarded a handsome medal for first place honors, Archers Class, in the Oregon State Bow Hunters tournament recently. Over the 4th of July weekend, Maxine won another medal for second place in the State Target Tournament. Following in the footprints of Mom's mocassins, are her 8-year old twin daughters.

JUNE AND TOM RUYLE

By Jack Clark

Front center on the Twosome stage presents JUNE and TOM RUYLE, of the Ceramics Department and Shop, respectively.

June, who comes from Valley City, North Dakota, moved to Portland in 1947. She was a machine operator for Bayly Manufacturing Company of Portland for four years, helping to make work clothes before coming to Tektronix in April, 1952.



Starting in the Cables Department, but since last November working most of the time on a lend-lease basis in Ceramics, June has as of last month become an official member of the department labeled "Explosives".

She is an accomplished and active church organist and pianist, and bowls - recently walking off with a bowling trophy won in the Tektronix bowling league.

Tom, who was born in Ambrose, North Dakota, has made his home in Portland for nine years, and worked for Valentine Refrigeration Service, servicing refrigeration units before joining Tektronix in January, 1951. He first worked in the Etch Department of Shop, then did general shop work before going on the screw machine operation which is now his main work.

He served two years in the Navy and was stationed on the USS Pennsylvania when it was being prepared with other ships for the Bikini A-bomb tests. His crew also prepared all other ships used in the tests. Using rescue breather apparatus and special clothing

for protection against the bomb's post radioactive effects, he aided in preparing the Pennsylvania for towing to Pearl Harbor after the tests, being assigned to the ammunition disposal unit. Ammunition had to be removed from the craft and taken out to sea to be dumped, and other post test work had to be performed. However, before reaching Pearl Harbor, the bombed vessel sank, as did many others that were subjected to the terrific effects of the tests.



Tom enjoys bowling, fishing and hunting as recreation, and has been an active participant in our bowling league.

The couple met after June started working for Tektronix. According to Tom, an introduction was hastened when he saw June driving downtown one night without lights, and hollered at her -- yes, "hollered".

June and Tom were married February 14 and now live in the West Slope area near the plant.

* * *

PHONE(AN)TICS

In sending telegrams it is desirable to substitute letters with words to avoid error or misunderstanding. A recent telegram to our New York office referred to 5ABP1 as "FIVE ABLE BAKER PETER ONE".

Not to be outdone, Tektronix New York wired back: "FURNISH TWO TYPE FIVE AGGIES BAGGY PANTS ONE TUBES".

* * *

SHOP TALK

By Vern Bartlett

THE SCOPEMOBILE

During the summer of 1949 DICK RHIGER felt it would be desirable to be able to move the 517 scope around on some kind of mobile device, so he designed the first scopemobile with MILT BAVE contributing his mechanical knowledge.



The first scopemobile is still with us, as is evidenced in the accompanying photo.

Comparing it and a recent model, we see no basic change, but the actual construction is radically different. In the beginning cabinet and shelf were built with frames of aluminum angle, cabinet sides being bolted on and the shelf made of plywood with a linoleum covering. Now all shelves and cabinets are cut from flat aluminum, bent to shape, and welded, eliminating costly piece-by-piece construction. The linoleum is applied directly to the shelf and finished with a polished aluminum molding around the sides. The rails, or polished tubing "hand holds", were set into curved corners in the cabinet of No. 1 whereas the new design uses standoff sections of tubing between cabinet and rails - another move to simplify cabinet construction and add to appearance. These and many other changes all contribute to an end item of gleaming beauty and superb utility.

The scopemobile made its debut in the fall of 1949 when MILES TIPPERY and W. K. DALLAS displayed it along with other Tektronix equipment at the National Electronics Conference in Chicago at the Edgewater Beach Hotel. Our Scopemobile received such acclaim we decided to go "into business".

The Scopemobile is something unique in our operation in that it is the only unit at Tektronix that is produced ready for shipment exclusively in the shop.

Unique also is the fact that it sells itself, and is also to some extent a silent salesman for oscilloscopes when the user wheels his

Tek scope in front of the envious eyes of his fellow engineers.

One of its more unusual advantages is demonstrated in atomic research. Through its use an oscilloscope can be pushed into a "hot" area with a long rod, eliminating human contact with dangerous radiation. The scope face can then be read with binoculars.

In three years the retail value of scopemobile production has approached a quarter million dollars. The linoleum used during this period would cover forty-three average kitchen floors. The green felt used for drawer lining would cover fifty billiard tables. The rails, if straightened and placed end on end at sea level would tower almost two-and-one-half times as high as Mt. Hood. If all these scopemobiles were transformed into level-full shopping carts in a supermarket, they would hold \$40,000 worth of groceries. That is a lot of groceries - even at today's prices.

And that's a lot of Scopemobiles, too. Such a healthy demand is proof of another high quality Tektronix product.

* * *

SCOPEMOBILE PERSONALITIES



IVAN ARNOLD, the oldest member of the crew is one of the youngest men at Tektronix. He came in shortly after the first model was shown and has the prestige of being the first man in actual production of scopemobiles.

His entry into this world was made in Enid, Oklahoma, and into this part of the world at the age of fifteen when he came with his family. Ivan attended Franklin High School, then entered the Army where he spent twelve months occupational duty in Japan. Back home he received nine months more schooling, then came to Tektronix on January 10, 1949.

His earlier shop experience which included work on chassis, frames, etching, brass chassis and bakelite has helped him a great deal toward his work in the Scopemobile Department.

Ivan and Mary Ann have two children, a

two-and-one-half year old Mary Ann, and a two-month old Freddy.

Another crew member is HANK JONES, who is a Beaverton native. After attending Beaverton High School, he joined the Navy where he spent two-and-one-half years, most of which time he was a water tender, third class, on the famous aircraft carrier U. S. S. Yorktown. After his service duty, Hank spent his time in manufacturing work at four different companies, then came to Tektronix in August, 1951. Doing general shop work, he finally gravitated to scopemobiles in January, 1952.

Hank "investigated" possibilities here as a result of one of our employees singing the praises of Tektronix - and glad he did. Hank owns his home in Beaverton, and he and Peggy have two nice little girls, Carolee Ann, age six, and Dianne, two-and-one-half.



WALDO JOHNSON became curious about Tektronix while working for the engineering crew who laid out the Ridgewood housing development across the highway from us. His interest paid off.

Waldo is a native Portlander, but has spent about half his life in Northeastern California where for two years he operated his own restaurant business in Auburn. During his service life he was attached to a special artillery group which served different branches of the service, including the British forces, doing survey work. This experience led him to his civilian job, which in turn led him to us. Waldo beams with pleasure at mention of his several blessings, wife Lois, six-year old son Robert Lee, and his job here.

Since writing this article, GEORGE JANSEN, a student at Oregon State, majoring in chemical engineering, Junior year, has come to spend the summer with the Scopemobile gang.

* * *

The best reward for a kindly deed is the knowledge of having done it.

* * *

A LITTLE STRANGER

arrived on June 18, and STEVE HUGHES is mooving around with a starry-eyed look, not outshone by his welding arc. The new arrival weighed 28 lbs., and both mother and her offspring are end chewing contentedly.

* * *

FIRST AIDERS

Eleven weeks spent wading through one text book, a supplementary text, an unrecorded amount of splints and bandages, and one Lyle Van Dyke, instructor, has paid off with fifteen additional graduates in First Aid prepared for the unexpected. Congratulations to these eager brandishers of the brace and bandage, who are

Assembly

John Hewitt
Barb Ekstrom
Edna Ulrich
RUBY Peterson
Dorothy Garrison
Lois Campbell
June Bass

Stock - Purchasing

Jane Grace
Ellen Burton
Hawkin Au

Administrative - Planning

Norma Caufield

Shop

Bud Siegel
Harvey Hanson
Earl Wilson
Armon McDowell

Two of the new First Aiders have already been called upon to serve in emergencies -- NORMA CAUFIELD and HAWKIN AU are in the transportation unit ready to drive ill or hurt people home or to the doctor in an emergency. The need for their service is to be cleared through the Personnel Department, or the First Aid Committee, including

Assembly

Cecelia "Tiny" Davis
Ida May Norby
Helen Thome

Shop

Bob Strutz

Component Test

Merle Miller

Our many thanks go to Instructor Van for his time voluntarily transferred from his business to the teaching of our class, and for the thorough manner in which he carried out his task.

CREDIT UNION

Now that the Tektronix Federal Credit union has been in existence for approximately a year and a half, it might be a good idea to review some of the principles of Credit unions. Basically, it can be said that a credit union is a cooperative organization to promote thrift among its members and to make loans from these savings to the members in need.

The topics in the last two issues of Tek Talk have been devoted to the thrift principle of your credit union because your board of directors has felt that EVERYONE should and could have some type of systematic savings regardless of the amount. Payroll deductions have been authorized by Tektronix to make it easy to have a savings program. Life insurance is purchased by your credit union to match your savings dollar for dollar to a maximum of \$1,000.

For those who need a loan, your credit union's interest rates are comparable to and are better than many loaning institutions. An employee here at Tektronix recently made this statement, "I borrowed \$150 from a bank not so far from here for six months and it only cost \$7.00." Borrowing the same amount of money for the same length of time from your credit union would cost \$5.25 - a savings of \$1.75 or 25 percent. This example shows that your credit union is an excellent place to borrow. Loan protection insurance is purchased by your credit union in which case the loan is automatically paid upon the member's death or permanent disability.

These basic principles of your credit union have dated back to the early 1800s when credit unions were founded in Germany, France and Italy. All the principles and philosophy can be summed up in these nine words -- NOT FOR PROFIT, NOT FOR CHARITY -- BUT FOR SERVICE.

* * *

As of May 31, 1953 the financial statement showed --

Shares	\$ 50,364.66
Loans	67,477.77
Income	2,277.12
Expenses	1,097.53
Profit	1,179.59

Do you know that your credit union has nearly doubled its status in the past six months? Let's all help to keep it growing.

* * *

Do you know that your National Credit Union Insurance Society offers basic life insurance to you at lower costs than other insurance companies with free counseling service?

If you are contemplating increasing your life's protection, drop into the office and more information will gladly be given to you.

* * *

There is the old story about the colored slave in the deep South who borrowed \$5.00 from his master and thought that his master was really wonderful -- he never had to repay the \$5.00, only a dollar a week for interest.

* * *

WELCOME

Assembly: GLENN PARK, DWIGHT LOOMIS

Test: FRED TINKER, LOU BALLINGER

Purchasing: DOLORES SMALLEY, BETTE

KING

Stock, Silk Screening: WARREN TRASK

Office: SILVA AUSTIN

Office, Advertising: PAULINE JONES

Twenty-four others are spending the summer at Tektronix - we anticipate hearing a little about each before the summer is over.

* * *

BONNETS AND BOOTEES

DICK GARY, group leader in Assembly, has three daughters now that Glenda Danelle, weight 6 lbs. 5 oz., has moved in as of July 14.

BILL POLITIS announced the birth of a second son on June 10th, weighing 8 lbs. 6 oz. Richard James has a big brother Russell.

A boy named Randal Glenn, weighing in at 7 lbs. 14 oz. joined the GEORGE SCOTT family on June 28.

Lorraine and HARRY STEWART, Test, announced that a tiny passenger Barbara Joan, weighing 6 lbs. 14 oz. arrived on June 20 via Stork Heir-Lines, Ltd.

* * *

WEDDINGS

Opal Hink and ED FROESCHLE, Test Department, exchanged vows at the First Baptist Church in Stayton, Oregon on June 14.

The Grant Park Baptist Church was the scene of the wedding of MARYELLEN ANDREWS of the front office and LES STEVENS of accounting on Friday evening, June 19.

The sun has been shining since July 3, the day WALT ZOUCHA of Shop and Flora Buckley were married in Stevenson, Washington, followed by a honeymoon in Canada.

SCENIC TRIPS PLANNED

By Miles Tippery

To aid our outdoor enthusiasts in planning to join our trips, the hiking committee has worked out a tentative schedule for July and August. These trips are all quite easy so that the "tenderfoot" can participate, yet they are located in spectacular scenery of interest to experienced hikers. Since there has been considerable interest in camping, three overnight trips are included. We will camp in forest camps equipped with fireplaces, water and other facilities, so very little equipment will be needed.

All Tektronix people, their friends and relatives are invited. Watch the bulletin boards for sign up lists.

August 1-2. Mt. St. Helens and Spirit Lake.

An overnight trip with hiking, camping and swimming available. We plan to hike four miles along Timberline Trail to Ape Canyon on Saturday. Wonderful views of Spirit Lake, Mt. St. Helens, Mt. Adams, Mt. Rainier and other peaks. Another hike, swimming, boating, fishing (Washington license required) or loafing optional on Sunday. Could return Saturday night if desired.

August 8. Silver Creek Falls State Park.

A popular five-mile forest trail, including two magnificent waterfalls.

August 15-16. Mt. Adams.

An overnight trip to the northwest's second highest mountain. Camping, hiking, fishing or swimming in the Bird Creek Meadows area, considered one of the most beautiful alpine regions in the United States.

August 29. Mt. Hood Timberline Trail.

Starting at Cloud Cap Inn, we plan to hike around the rugged north side of Mt. Hood over a good trail which affords many views of Elliott glacier, Coe glacier, flowering meadows, mountain streams and distant peaks Very different from the Timberline Lodge area.

Sept. 12-13. Short Sands Beach.

An overnight trip for those who desire. One of our most attractive beaches, hiking, swimming and camping. Crowds reduced by half mile separation from highway.

BLANCHE COOK TELLS US

"Our first hike of the season attracted JIM BOYLE, HELEN WALKER and son Larry,

LEO WULFF, Ruth Tippery and myself to Saddle Mountain State Park. The Tippery family guided the hiking party to the peak, and started them up the trail. After approximately two-and-one-half hours of hiking, admiring and exclaiming, the group was further rewarded with a breathtaking view of Astoria, the coast range and ships on the Pacific Ocean. All who went agreed it was a most satisfying experience."

* * *

STOP LOOK & LISTEN

WHEN CROSSING OR WALKING THRU PARKING AREAS.



* * *

RESIGNED

EARL GROVE of the Test Department has resigned from Tektronix as of July 22 to accept a position as engineer at KPTV. Our best wishes accompany Earl in his new undertaking.

* * *

The mailing machine has been moved from the front office location to a corner in the east end of the new assembly section, and everyone is asked to leave outgoing mail at the machine by 4:00 p. m.

* * *



Davis.....Cont'd. from P. 1.
a twinkle-toed terpsichorean. I mean it. He used to be half of an exhibition dance team; I can't help it - it's irrefutable.

Well, close your mouth and unarch your eyebrows, and we'll continue. Bob left the University of Washington in 1942 to join the U. S. Coast Guard. During the greater part of the war he was stationed at Seattle Repair Base as Radio Technician. Here Bob worked with a large sector of potential Tektronix, JACK MURDOCK, MILES TIPPERY, HOWARD GAULT, MILT BAVE and KEN WALLING were there during some part of Bob's tour of duty.

After this fascinating and frustrating period our lad of the large larynx returned to the University of Washington to stain his shirts with $KMnO_4$ and burn his pants with H_2SO_4 . In between shirt-stainings and pants-burnings he built a house, and concurrently and practically simultaneously expedited materials for a construction company. I sure get tired just thinking about this.

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

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

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

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

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

* * *

HOW MUCH IS THAT DOGGIE?

Black and white Springer Spaniel Pups, two months old, are just \$5.00 each. See RON HANKINS in Drafting.

* * *

Logan.....Cont'd from P. 1
travel extensively without pressure of time to see the country and visit friends. We can rest assured he will be back to let us know what progress he has made in the ivy covered halls and his specific future plans. At that time we will probably have to address him with more respect - like, "Hi, Doc".

We will miss Logan but at the same time want him doing what he will enjoy most and make him the happiest. Logan and Bess will carry with them the deepest and sincerest best wishes of all their friends at Tektronix.

It was also announced that DICK ROPIEQUET is appointed Chief Engineer with the administrative and technical supervisory responsibilities of the Engineering Department. Of course, HOWARD VOLLUM will, as President, continue to be active in Engineering Department affairs.

Many will remember the story about Logan in February, 1953 Tek Talk and the story about DICK ROPIEQUET in the May, 1953 Tek Talk.



At the governor's annual luncheon meeting in behalf of "National Employ the Physically Handicapped Week", attended by MILES TIPPERY and DON KEPLER, Tektronix was presented with the above award in recognition of our efforts to employ physically handicapped people. Present at the luncheon were Governor Paul Patterson, Admiral McIntyre and other officials of the program.

* * *

PROMOTED

as of June 22, 1953, JOHN MATTHEWS has assumed new administrative duties to assist BOB DAVIS and JOHN TAYLOR in Technical Production.

For the present DICK MONTAG is looking after the Small Instruments Group.

TEK TALK



VOL. 2 NO. 7

AUGUST-SEPTEMBER, 1953

THE MARSH VIEW ON

TUB-THUMPING

AT TEKTRONIX



One of the activities now occupying our newest building is the Advertising Department. This heterogeneous collection of mats, plates, cuts, half-tones and tintypes is coordinated by a verb-varnishing varmint known to most of Tektronix as **CHUCK GASSER**. For a professional tub-thumper, Chuck is unusually quiet and retiring. For a retiring type of guy he has a disturbingly stubborn streak which he hides behind a fat grin. The more mulish he gets the broader he grins.

Chuck was born in the (heh heh) Windy City - Chicago. He became interested in industrial sales (this was presumably several years later) and worked for some time in that field until 1943 when he climbed into a pair of multi-button pants to help guard the

Cont'd on P. 11

TEKTRONIX AT WESCON

By John Mulvey

On August 19, 20 and 21 at the Civic Auditorium in San Francisco the 1953 Western Electronics Show and Convention was held. This event is alternately held at Los Angeles and at San Francisco, and is jointly sponsored by the West Coast Electronic Manufacturers Association and the seventh region of the IRE.

The show this year topped all former electronics shows held at San Francisco in the number of exhibitors. The very spacious hall had exhibits even in the balcony and in the wings where in past years all the packing boxes and crating materials were stored. Visitor attendance did not set a new Wescon record, but it seemed that the many people who came were more genuinely interested. The estimated attendance was 12,000 plus.

On hand officially at Tektronix' big booth were five design engineers, **W. K. DALLAS**, **JOHN MULVEY**, **HOWARD VOLLUM** and **JACK MURDOCK**. The greater part of two days during the three-day show were spent by **JACK MURDOCK** as a delegate from Portland at the IRE Regional Committee Meeting. The meeting is held every six months for the purpose of planning future affairs of the IRE in the Pacific Coast Region.

The illustrious 535 oscilloscope was the principal attraction at the booth, but also

Cont'd on P. 8

"BROKEN RECORDS" GOOD NEWS

when they are sales records. Orders received in the month of June this year reached an all time high -- until July when the record was broken a second time in the dollar value of orders received.

In the month of August more scopes went out the back door than in any other month in our history.

The Christmas bonus picture may be at the halfway point of development, but the exposure looks good.

* * *



VOL. 2 NO. 7

AUG.-SEPT., 1953

EDITOR Irene Garvey

CONTRIBUTING REPORTERS

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Win Backstrand	Will Marsh
Jack Clark	John Mulvey
Marj Drain	Eileen Searle
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CARTOONISTS - Jack Clark
 Arnold Rantala

TEKTRONIX TWOSOME



BILL and CORRINE "Cory" JOHNSON take the klieg lights as this month's Tektronix Twosome. They work in the shop and final assembly, respectively.

Cory, who was born in Minot, North Dakota, was transplanted early and calls Seattle her home town due to the number of years she spent in that northern city. Her father worked for the railroad, and during her school years, Cory says she bounced from school to school, a year here, a year there.

During the war years, Cory welded for almost a year and a half in the Vancouver and Oregon shipyards, and the Navy yards in Seattle. She became in time a certified welder, and found the work extremely interesting.

Previous to joining Tektronix in February, 1951, she was a homemaker, devoting her time to her three children, Teddy, four years of age, Jerry, fourteen, and daughter Sally Jane, eleven.

Cory started in mechanical assembly on the 514 scope - now she's doing final assembly. Still on 514? she was asked. "120 a month, and the only one finaling - sure keeps one busy", was her smiling retort.

The Johnsons keep busy with the remodel-

ing of their Sellwood home evenings, and both are members of the same league bowling team which was league winner this year. Cory won the women's high average trophy along with the team trophies she and Bill garnered.

Bill was born in Deward, Michigan, lived eleven years in the State of Washington, but has lived in Portland most of his life.

Bill started in the shop with us in March 1951, and has remained in that department, helping to produce the hundreds of different brackets, shields, etc. required for the various instruments.

His variety of jobs before the war included commercial fishing, foundry work, tire making, meat cutting, stove making, log towing with steamboats, working in a wool warehouse, door factory, and on the waterfront -- and even delivering messages for Western Union.

Bill served three and a half years in the Army during the war, and for half that time was overseas in the Solomon Islands and New Caledonia, serving as radio operator with an Aircraft Warning Battalion, operating radar.

He had his first license as a ham operator in 1923 and now owns extensive equipment, including a mobile transmitting and receiving unit in his car.

Bill's other two hobbies, he says, are fishing and loafing, especially fishing because it gives him more chance to loaf.

* * *

BACK TO COLLEGE

for GEORGE ROUSSOS of Drafting this fall. George has earned his bachelor's degree in physics, and now wants to further his electronics knowledge with a course in the communications branch of electrical engineering.

* * *

WCEMA BOARD PLANS VISIT

JACK MURDOCK tells us the board of directors of the West Coast Electronics Manufacturers Association expressed a desire at their last meeting to visit Tektronix, and a tentative date has been set for November 6.

Jack, presently the only member of the WCEMA board in Oregon or Washington, attended the board meeting in San Francisco on August 18 immediately preceding WESCON. It was decided then due to the rate at which electronic manufacturing is growing in the Northwest that the next WCEMA board meeting be held at Timberline Lodge.

* * *

TRAVEL

SOUTH OF THE BORDER

By Marj Drain

My first reaction upon returning to the States after a month in Central and South America is that the good old USA is still the best place in the world to live. I wouldn't admit having been homesick exactly - just a little States-sick - but don't conclude that it wasn't an exceptionally worthwhile and generally very pleasant experience.

The first leg of our journey was a hurried, surprising uneventful drive (not even a flat tire) across the country to Miami. Fortunately, our plane and hotel reservations had been made in advance, so nothing remained to be done but to apply for our Brazilian tourist cards at the Brazilian Consulate in Miami, check the car into a parking lot near the airport, and get airborne. Ironically, we left the States on Independence Day, our first stop being Panama City.

Panama has the typical tropical climate, with palm, mango, papaya, banana and breadfruit trees, and hibiscus, acacias, etc. Of course, they have many of the same varieties of flowers grown here, including roses, which don't have even the faintest fragrance. We visited the Canal, and during the time we were there, three ships were brought through the first lock - a truly impressive bit of engineering. A big guard in the American Zone with a wide Irish smile, told us it takes approximately eight hours for a ship to go through all the locks as against a 30-day trip around the Cape. Returning from the Canal Zone, we passed a bullfight arena. Our guide explained that the Panamanians are enthusiastic about bullfights, but they've given them up currently, because by the time they get a bull from Mexico he's too tired to put up much of a fight.

Our next stop was Lima, Peru. After three hours of sleep (on a hard bed with an even harder pillow) we were back at the airport for a flight over the Andes in a DC-3 to Cuzco - pretty rough flight, with oxygen tubes and seat belts fastened all the way (no breakfast, either). Upon arrival, had a good breakfast, though decidedly peculiar - but if I go into the food situation, Irene will have to hold up the paper another two weeks. Cuzco is the center of the original Inca civilization, and is a fascinating place indeed. It is situated at an altitude of 11,000 feet, and there are many interesting things to see, between



Window design in Inca fortress of Machu Picchu. (Reprinted from *Americas*.)

gasps for oxygen. We took a three-hour ride to Machu Picchu, ruins of a complete village left by the Incas, on a bus on which the wheels had been replaced with rims to run on the railroad tracks. In addition to building homes and fortresses of high stones, some of which weighed several tons, the Incas had carried the fertile soil from the valley below up the mountainside to build flat terraces for agricultural purposes. Enroute to Machu Picchu, we saw llamas (tame as can be), cattle and sheep - almost no horses, and only one sad little tractor by way of farm machinery. Most of the houses are adobe and thatch, and the Indians, who make up the majority of the population, live in indescribable filth. The women work in the fields and the men are shopkeepers, waiters and chambermaids (or men, rather) in the hotel. A surprising switch. That evening we saw a colorful performance of some of the more popular Spanish and Indian dances.

Back in Lima the next day, we took a tour through old Lima, made up mostly of tumble-down colonial style houses, complete with sagging balconies, built flush with the street with a door to an inner courtyard with fountain, formal gardens, etc. This section of Lima is still inhabited by the poorer classes. New Lima boasts many beautiful estates, some covering two and three square blocks, scores of ultra-modern Spanish style homes, and complete shopping centers, including supermarkets that put some of our Safeways to shame. We went through the Cathedral, Government Palace, and a number of other build-

Cont'd on P. 4

Travel....Cont'd from P. 3.

ings, including a hugh hospital which was at a standstill in the process of construction because the plumbing is under the bedrooms instead of the bathrooms. Nearly every church in South America is too ornate to describe - a fantastic amount of gold is used with a generous sprinkling of silver and precious stones. There are many paintings by the masters, as well as beautiful mosaics and carvings.

Some of you flower fanciers would have lost your minds in Peru. There were fuschias, wild orchids, bougainvillea, poinsettias, and geraniums growing like dandelions. There are also acres and acres of olive trees. The flowers are so vividly colored that they look almost artificial.

Peruvians like bullfighting and horse racing, but they do have golf courses for the ambitious North Americans who insist on taking part in active sports.

Peru is very friendly toward the United States - a great many of their streets are named for North American statesmen.

After a smooth, all-night flight, we set down in Santiago, Chile, though a heavy fog over the city had forced us to circle the airfield for over an hour. Friends met us there and after registering at the hotel we were on our way up into the Andes to a 45,000 acre "hacienda". On the trip we saw hemp, wheat, alfalfa, avacado, walnut and pepper trees, and scores of flowers. While the climate in Peru had been very mild (one was comfortable in a suit), the weather in Santiago was considerably colder. However, South Americans do not seem to think it is necessary to have any heating system in their homes, as we sat in the fancy dining room of the beautiful ranch house eating lunch with our coats on. Eating is a ritual with the South Americans, and they seldom spend less than two to three hours per meal (excepting breakfast) with excellent food and good conversation. This makes for extremely enjoyable living, and it's amazing how easily one can adapt oneself to this sort of thing. During lunch in the hotel the next day we were serenaded by a three-piece ensemble - pianist, violinist and cellist - all of whom compared very favorably to the concert artists available here.

(To be continued.)

Next month Marj will take us to Argentina, Uruguay, Brazil, Trinidad and Puerto Rico.

* * *

DARK CONTINENT

By Reggie Green

For the elucidation of interested Tektro-nix friends, yes, I am going to Africa this autumn.

Africa, to many, evokes stereotyped symbols generated by such glamorized movie versions as Hollywood's King Solomon's Mines. (No, I do not intend seeking out Stewart Granger. Nor meet with a python.)

To me, Africa for many years has been:

A National Geographic map clashing with the wallpaper, multitudinous stacks of well-thumbed travel brochures, boat schedules (I do not read the ones written in French); the magnificent works of liberalist Alan Paton; political periodicals galore; African wild life magazines from the "dark" continent, featuring such beauties as curvaceous boomslangs); a dream of many colors and sounds -- Mombasa's haggling market-place, a bazaar in Zanzibar, Magbetu madonnas in picturesque kraals, a river ride up the Lualaba.

The dream is progressively becoming reality. (Too painfully real is the caricature on the passport dubbed "a perfect likeness" by heartless friends.)

The ocean voyage commences in Boston. A girlfriend will accompany me on the European trip. The ship to Liverpool calls at Halifax, Nova Scotia, and St. John's, Newfoundland on the way. From Liverpool we will travel to London, and from there determine our own unscheduled itinerary through Holland, Belgium, France, Switzerland, Italy, Spain and Portugal. After five weeks in Europe, ma bonne amie and I will bid au revoir at Marseilles where I shall embark a liner which calls at several Italian ports before crossing the Mediterranean. From Port Said the boat proceeds down the Red Sea and East Coast, stopping two or three days at Suez, Port Sudan, Aden, Mombasa, Tanga, Zanzibar, Dar-es Salaam, Beira, Lourenco Marques, and Durban. From Durban, by hired motor car the Hluhluwe Game Reserve is covered, where one is allowed to stalk and photograph the game on foot, protected by a game guard. Next the colorful tribal life of Swaziland comes into view, and via Pigg's Peak the modern but remote Havelock Asbestos Mine is visited. Two days are spent driving through Kruger Park, famous as a game reserve, particularly lions. Other points of interest are covered on the way to Johannesburg. From there a train proceeds

to Elizabethville, Belgian Congo. Here a tour of central Katanga has been arranged, an itinerary especially constructed for travelers wishing to enjoy the beautiful scenery of the Congo River - called here the Lualaba - on its most picturesque sector, the last navigable part of its upper reaches. From Elizabethville to Stanleyville, next, by plane, and an expedition into the Ituri Forest, famed for pygmies and spitting cobras. Then a boat trip down the Congo River to Leopoldville, a visit around this city and Brazzaville, capital of French Equatorial Africa. From Matadi a boat proceeds up the West Coast, calling at ports all along the way, stopping at the Canary Islands before docking at Bordeaux. From there, about Valentine's Day, I shall return home.

The trip will last five months and cover over twenty thousand miles.

I think I shall have missed Portland, City of Roses, all the while. I know, even now, that after vagabonding in foreign lands, accumulating new memories and newer friends, many moments of fond remembrance of this past year will remain always with me.

I shall have missed Tektronix, I know.

* * *

NEW FACES

MART KUBARSEPP joined our Stock Department on August 7. Mart graduated from law school in Tartu, Estonia in 1944, and his hobbies are drafting, photography and music.

JAMES DONOGHUE, Engineer trainee located at present in Test, came to us from North American Aviation where he did research engineering.

PAUL JONES, transferred to Test from assembly, arrived on August 3 after a looong stretch in the Navy where he was instructor at Radio Materiel School at Treasure Island, California.

CHESTER HARDING, Test trainee in assembly, arrived on August 10 -- he's been a radar technician at the U. S. Weather Bureau in Hoquiam, Washington.

DWIGHT LOOMIS, Engineer trainee, currently in the Test Department, came to Tektronix from Lewis and Clark College where he was instructor in physics and math.

ANN DARLING DWINELLE is the young lady in the Syracuse office as of the first of August to replace EVELYN DUNHAM who has joined the New York office staff in Bronxville.

* * *

GALLONEER TED GOODFELLOW

was awarded a second certificate the other day at the Red Cross Blood Bank as a token of appreciation for the two gallons of blood he has personally donated to date. Ted was pleased, of course, but he doesn't feel giving a pint of blood is any great sacrifice on his part - it takes so little effort, it's so safe - and besides it's such a wonderful feeling to know you've given a part of yourself (that is naturally replaced anyway) to save someone else's life.

The question was asked one day by MIKE PARK, another regular donor, why it is that anyone (not specifically Tektronix people) must pay for blood transfusions. That's a good question, and according to the Red Cross, all the hospitals in this area get all their blood from the Red Cross Blood Center, and as the Red Cross gets no money, there should be no charge (outside of hospital administrative charges). To any Tektronix employee or member of his family, there is no charge for the blood because we bank our donations as a group. Others (not at Tektronix) who do not have the benefit of a sustaining program such as we have, may have their friends or relatives pledge donations to replace what is used. The only time an actual charge for blood is to be made is in the event a particular blood type is not available, and a professional donor must be hired.

JIM LILLY has a rare type blood for which hospitals offer a sizeable purchase price, but Jim is one of our faithful donors at the blood bank.

One Tuesday in May when BARB EKSTROM, JOHN MULVEY and JOHN LIEDTKE went to the Red Cross Blood Center, the Mulvey John happened to be the first donor with a particular type blood for which an emergency need existed - a new baby's life depended upon a transfusion. The donation was rushed off to the hospital before John had dunked a doughnut. Was he happy? You know it.

Tektronix' reservation at the Red Cross Blood Center is for every Tuesday at 3:00 p. m. People who wish to donate may leave on company time at 2:30. If you have not been personally asked to pledge a pint of blood, won't you drop in at the Personnel Department to sign up? * * *

TRANSFER FROM ASSEMBLY

JOHN LARSON is in charge of the Engineering Modification Group, assembling pre-production scopes, samples of modified chassis and instruments, trial runs of new instruments, etc. Currently, John is working on the 535 scope.

PICTORIAL REVIEW OF TEKTRONIX PICNIC

FOOD....GAMES....PRIZES....CAMERAS....SUN....FUN
DANCING....BOATING....SWIMMING....BASEBALL....MODEL PLANES



Roamer's Rest on Saturday, August 22 was the setting for the Tektronix Picnic crowd of close to 700.

Reports on the picnic were most favorable. No one went home hungry.

The committee planned the day's activities well, and hardly laid off a minute in carrying

out their plans. Our thanks to a good crew.

The post mortem held at the succeeding Personnel Committee Meeting carried very little negative comment. Some few improvements were recommended to be passed on to next year's picnic committee.

* * *



Wescon...Cont'd from P. 1

shown for the first time was the 190 Constant Amplitude Signal Generator, the 163 Fast Pulse Generator and the brand new little 315 Scopemobile. There were two prototypes of the 535 on hand and each attracted its own steady group of admiring and questioning engineers and onlookers. The plug-in pre-amplifier feature seemed very well liked by everyone as well as the other advanced characteristics incorporated for the first time on any Tektronix Oscilloscope. It was pointed out by one customer that the apparent complexity of operating the scope, from a casual look at the front panel, is going to be offset to a large degree by the fact that anyone learning the operation of this one scope will essentially have mastered three or more scopes.

The 315 on its own little scopemobile made a nice combination showpiece with the 190 Constant Amplitude Signal Generator. In this way it was easy to show that the rated 5 megacycle bandwidths of the 315 extended beyond even 6 megacycles as well as to show the ease with which it is possible to use the 190 for bandwidth checks.

Four Tektronix faces showed up as unscheduled but vitally interested and most welcome spectators: DON ELLIS, KEN WALLING, FRED TINKER and GENE SHERIDAN. Gene was on his way to San Diego to get some more schooling at San Diego State College, while Don, Ken and Fred included this visit as part of their vacations. Fine way to get away from it all -- we think. Ken, we suspect, may have been checking up on us to see if the special brochures he burnt the midnight oil printing were being dispensed in a satisfactory way.

All in all this year's convention and trade show exhibit was a grand success, generally speaking, and the high order acceptance of the new Tektronix instruments specifically confirms our position as a leading supplier of high quality precision equipment.

* * *

HIKING

SILVER CREEK FALLS STATE PARK

By Marian Arnold

The Hiking Club ventured to Silver Creek Falls on August 8. The scenery was delightful, the weather perfect, and the company enjoyable. Five adults and one child led by MARIAN ARNOLD made the four mile hike. There are seven beautiful falls in this distance and our group found a nice quiet spot for an afternoon nap.

GOLF TOURNAMENT

Thanks are extended to JANE GRACE and HAWK AU (Purchasing) for a well-planned golf tournament at Glendoveer Saturday, August 29. Golfers were completely surprised on being presented with the first, warm, sunny day of the week -- Hawk and Jane must have upstairs connections.

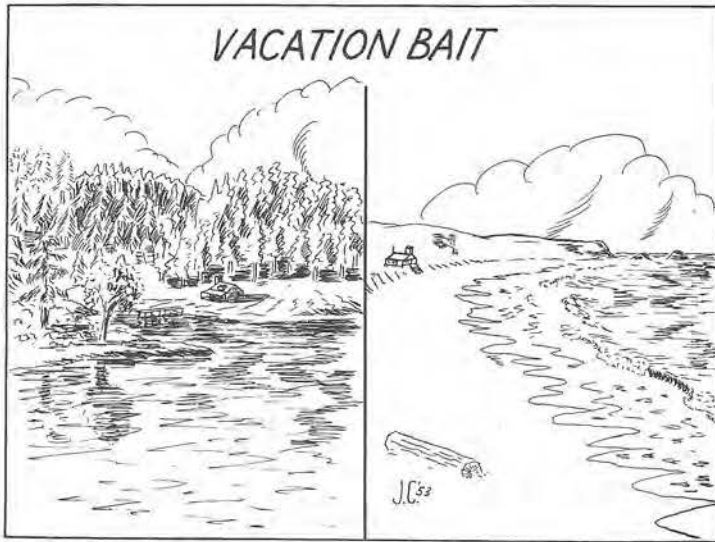
Prizes were awarded on a hi-lo basis -- HAWK AU a dozen golf balls for the lowest net scores, DENIS KIDD a dozen golf balls for the lowest gross score, JOE GRIFFITH a golf glove for the longest drive, JOHN TAYLOR a putting cup for the longest putt, ED BAUDER a golf hat for winding up closest to par, CLAIR KIDD a scorekeeper for most pars, BOB FITZGERALD a golf hat for the most birdies, JANE GRACE golf club covers for the drive nearest pin, DICK SCHMIDT three practice balls for the shortest drive (achieved by applying the technique of standing real close to the ball after hitting it), BOB DUHRKOOP a set of golf rules and a ball marker for high net score, LARRY VOL-LUM a set of golf rules and a long tee for high gross score (Glendoveer course could be at least two inches lower than East Moreland), and for the highest score on one hole BILL WEBBER received a putting cup. (Whose little girl was it asked, "Daddy, why mustn't the ball go into the little hole?")

Other golfers with low handicaps and high ability, also enjoying the day's outing were MILT BAVE, DAL, JIM PEABODY, HOWARD GAULT and SCOTTY PYLE.

* * *



AVIATOR: WANNA FLY?
SPECTATOR: YES, I DO!
AVIATOR: I'LL CATCH YOU ONE.



The Mountains? The Seashore?
VACATIONISTS AT TEKTRONIX

To our mutual benefit a number of young people chose to spend their summer vacations at Tektronix rather than in travel, active sports, just plain loafing, or in other occupations. They are for the most part ambitious students with a fervor for learning and earning. Take those in **KEN KING's** group:

GLENN LEE graduated from Washington High School in June, 1953 with two four-year scholarships. He decided on a pre-medical course at Harvard, but since spending the summer months at Tektronix is unwilling to let go of electronics entirely. Glen feels the field of electronics may well become an avocation with him.

HARRY ELLIOTT is a Junior at Walla Walla College, majoring in electrical engineering. He feels the future here looks good.

BOB GUTHRIE is a Senior at Pacific University majoring in chemistry with math and physics as minors. Bob's sites are set on a master's degree and possibly a doctor's. He is married and has a son Donald age ten months.

JOHN OGDEN is in his Senior year at Lewis and Clark College, majoring in physics. John previously had two years of electrical engineering at Oregon State, and was technician for Radio Stations KEX, KGON and KBKO. He is actively interested in amateur radio -- call letters W7JTB - and belongs to the IRE and the American Radio Relay League.

In **LEONARD MASON's** Final Assembly group we find **BILL MAYER** who was here last year. Bill lives in Forest Grove with

his folks, and attends Oregon State College to study electrical engineering, presently in his Junior year.

MARSHALL JACKSON's group, Accessories, boasts of:

CRAIG HOAGLIN from Beaverton High School. Craig has two years more of high school to complete. He has been repairing radios since he was nine years old -- radio and "souped-up" cars are his weaknesses.

TOM MONAGHAN graduated from Washington High School with a scholarship to Stanford University granted through the Tektronix Foundation. Tom is lying awake nights trying to decide between electrical engineering and chemistry.

JOE REED graduated from Benson and figured on college, but since spending his summer vacation with us he feels a night course in radio and a day job here will make him wise and prosperous. Joe has since been transferred to the Transformer Department on a permanent basis.

Other summer people - these in the Transformer Department are:

FRED WIDNEY, a Sophomore at Oregon State majoring in physics, spent two years in the Army as a radio operator. Fred is also an amateur radio operator with call letters W7RFJ, and he lives with his folks in S. E. Portland.

TERRY CLIFFORD is a Senior at Washington High, and is actively interested in the field of sports, particularly baseball. Terry has hopes of becoming a commercial artist, and from samples of "quickie" cartoons he aimed for the most part at **DOUG PROUTY**, he has the talent, and a sense of humor.

BETTY PRAY was awarded a scholarship to Pacific University where she will major in music. Betty completed a four-year commercial course at Tigard High School this June, and has worked every summer since she was a high school freshman.

BILL LEE's Stock Department had BOB HUNSUCKER who spent last summer wiring 517s. Bob is studying physics and electrical engineering at Oregon State and is presently in his Senior year. A ham operator, Bob has call letters W7LOU.

DOUG THORNTON spent the summer in the Test Department - the summer of 1951 he was in Transformers while still a Senior at Grant High School. Doug is presently a Sophomore at Oregon State, majoring in electrical engineering.

RUTH KING, in Ceramics for the summer, lives with her mother in Forest Grove, and enjoys tennis, photography and reading. A straight "A" student at Forest Grove High, Ruth plans to attend Pacific University this fall with hopes of becoming an elementary grade school teacher.

MARY LIESMAN in Ceramics skis and swims in her spare time. After one year of dental school, Mary will now be studying dental hygiene at the University of Oregon.

HOWARD GAULT and EMIL EVANS had assistance from GLENN ELY in Carpenter Shop this year. Glenn teaches industrial arts and woodworking, and has taught mathematics, at Cleveland High School. He came for experience in modern methods, the practical side of his teachings, short cuts that might be passed on to his students.

To be continued next month.

HIKING

MT. ADAMS

By Win Backstrand

Early Saturday morning, August the 15th, fifteen people from the "Tektronix Community" left the big city area and drove up to the timberline region of Mt. Adams. Their destination was Bird Creek Meadows Forest Camp Grounds. Camp was made about a mile below timberline on the southeast slope of the mountain. An afternoon walk through alpine meadows along the "Round the Mountain Trail", BLANCHE COOK's little girl, Susie, enchanted everyone by her search for frogs in the waterways running through the meadows. An abundance of alpine flowers was seen in the lands of the late spring, and at this weekend the flower season was almost in its prime.

Late Saturday afternoon, HELEN WALKER, BLANCHE COOK, LEO WULFF, WIN BACKSTRAND and Nellie Tippery took a dip in Bird Lake. The water was found to be surprisingly warm, but there was a good breeze blowing - consequently, most of the bathers remained in the water with just their heads showing.



After dinner Saturday evening everyone joined in singing around the campfire.

Sunday was spent by hiking up to the lower reaches of Mazama Glacier and the head of Hellroaring Creek Canyon. Another swimming session was held in Bird Lake that afternoon.

Others who went on the trip were MILES TIPPERY and Nell Tippery along with Mrs. Tip's folks, DERROL PENNINGTON's family and DARLENE ADAMS.



Sunday evening everyone concluded they had had a wonderful time exclusive of the fact that they were stung and seared by mosquitoes and the sun. Everyone had sufficiently recovered by Monday to appear at work with a rosy face.

* * *

Tub-Thumping...Cont'd from P. 1

coast. During the war, while his ship was in drydock in Portland, he met JACK MURDOCK, who was inspecting radar installations. That has nothing to do with the story, really - just one of those notes-in-passing.

After our coasts were "secured" (Navy term - means locked-up, battered-down, finished), our Charles worked at KAST, Astoria as broadcast engineer - he read meters, commercials and comic books. When his broom wore out, he went back to Chicago to go all the way for RCA. During the mild lakeshore winters, with the sleet driving through his bicusps, he installed TV eyesores on the most slippery roofs. To compensate for winter exposure, they let him stay in the repair shop during the summer when the air was conditioned to 100 degrees or so. Chuck was with Hawthorne Electronics in the pre-Tektronix period, then took a trick of selling machinery while he ground through an ICS course in advertising. In March, 1951 he was counting resistors and pots in BILL LEE's miniature electronic supply house - "If you can't find it, we ain't got it." From stock he went into the subterranean atmosphere of test, then to a tour in the front office which he finally shaped up into the Advertising Department. In any department there must be someone to do the work; enter Pauline.

Pauline met a man named Jones in Spokane some years ago, and they were married. PAULINE JONES was born in Kansas, in a place called Dresden. This calls for something corny about a Dresden doll, but we'll forbear since Pauline is no China doll - she's alive, she glows.

The Joneses went to Boise, Idaho for a while, and Pauline worked for West Coast Airlines, and took lessons in Latin American dancing (we'll check MARJ DRAIN on this). Pauline likes to do handweaving - mats, rugs, etc. - at least her husband doesn't have to wear them.

No advertising department is complete without an artist. This would be a good place to stop, but we have more data about LLOYD OLSON. We asked Lloyd what the extra "l" did in his first name. He quipped about people trying to knock that "l" out of him, but we didn't get an answer to the question. Lloyd was born in Minnesota (on account of being named Olson) and at the age of four thumbed his way to Portland. Tourists who picked him up along the way thought it odd until he gave them a childish cock and bull

story about being a young prodigy. Then they dumped him at the first gas station.

He left Grant High in 1944 to engage in nautical games pertaining to arming Navy aeroplanes, and served aboard an Essex class carrier. The only thing of importance during this time happened in Philadelphia when Cupid's ancient ordnance hit him (that means he got married).

After the Navy turned him loose, he studied advertising art in Portland for three years, then went into business with his brothers. Even artists get hungry, so Lloyd kept stomach muscles active by selling shoes. He came with Tektronix in May, 1951 and started in the silk screen department. When it was decided that scope advertising was an art, he was promoted to head of the Advertising Art Department. An unconfirmed rumor has it that Lloyd keeps three trained Gremlins in his desk drawer, hidden under an aspirin box. He slips them into the pockets of people who don't laugh at his (ho ho ha ha) "hot ones".

What we started out to do was tell the story of the advertising department, so we decided to serve the fruit salad, pepper pot soup and garlic bread first, and then wheel out the entree. Advertising is really an involved procedure, and requires many different processes.

It takes an appreciable effort to lay out an ad for the proper effect, and many books will tell you how to do this. After you have read the books, you may know how, but you still have to do it. The copy (Chuck) and the illustrations - photographs (Ed Egan) - and art work (Lloyd) - are set up together, the illustration as a half-tone cut and the copy in type. They are proof-read very carefully.

Cont'd on P. 12



Tub-Thumping...Cont'd from P. 11

This is an extremely intense inspection, as a single wrong letter may change the thought into something not at all intended. (At this point Lloyd's Gremlins are kept locked up in one of the "holes" in a transistor. Afterwards he gets a spare electron from the test department, inserts it into the transistor, and the Gremlins are free again.) KEN WALLING has a proof made into a plate for the multilith; he runs a number of copies to send to our representatives for advance notice of the ad. These are sometimes posted on our bulletin boards.

The original combination of the set type and the illustration is sent to the "foundry" where a mould is made. The required number of castings are made from the mould, mounted on wooden blocks, and sent to the magazines that publish our advertisements.

All through this hectic period, Pauline is typing, walking, checking, talking, reading, noting, and occasionally stops to not have a cup of coffee.

"Mailing Pieces", similar to the published advertisements, are sent to interested people whose names are on our mailing list of over 13,000. By this means, important announcements regarding our equipment are directed to those who need to know about our latest developments. The mailing list must be kept up to date by changes, deletions and additions; this, by itself, is a large and important chore.

The "New Products" columns of technical periodicals are used to good advantage. Inquiries from these announcements are checked carefully, and requested information is forwarded to the asker.

Catalogs are published twice a year. This very important function also requires extreme care in getting accurate information printed without loss of decimals or dignity.

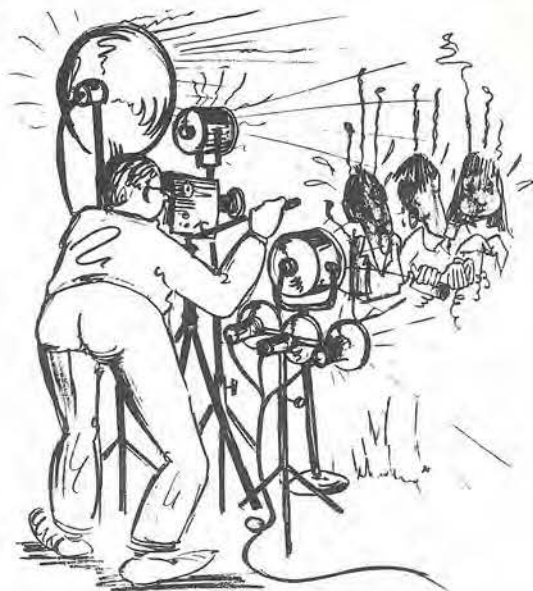
Odd jobs done include mailing technical releases to representatives, processing accounting department payroll sheets, and supplying our field offices with forms and stationery.

It's all very fascinating, but after hearing Chuck tell of all the intricacies, pitfalls, checks and counter-checks, we'd rather go back to the dungeon and test scopes. It works, though. People ask about our scopes, talk about our scopes and use our scopes. This we enjoy.

* * *

IT'S A GIRL

for the BOB LIVINGSTONS. Jean Carol, weight 7 lb. 8 oz., arrived on September 1st.



THIS SHOT ISNT GOING TO BE TOO HOT.

* * *

MARRIED

on Saturday evening August 29 were SILVA AUSTIN of the front office and Don Kephart. Many here remember Don who worked summers at Tektronix in assembly and silk screening - matter of fact he drove the truck for the big move from Hawthorne. The wedding took place at Rose City Park Methodist Church.

* * *

CONGRATULATIONS

to CHARLES JAY who was married to Jenny Portello on August 15 at the Central Christian Church. George and HELEN RILEY were included in the wedding party, and the reception was held at their home.

* * *

A THIRD DAUGHTER

and a fourth Lou for JACK HENDERSON, with the birth of Debra Lou on September 2. Barbara Lou and Jack have two other daughters, Mary Lou and Nancy Lou. The latest little Lou weighs 7 lbs. 1 oz.

* * *

TWINS TO TWOSOME

Charl and JOHN MATTHEWS happily announced the arrival of twin girls, Cynthia Lynn, five minutes older than Sandra Elise, born on August 14, each weighing 6 lbs.

* * *

TEK TALK



VOL. 2 NO. 9

OCTOBER-NOVEMBER 1953

Our First Thanksgiving

LINCOLN'S WORDS APT— THIS THANKSGIVING

The words which Abraham Lincoln used in issuing the first Presidential Proclamation for a nationwide observance of Thanksgiving Day on the last Thursday in November, 1863, have a special significance for us today.

"The year that is drawing toward its close has been filled with the blessings of fruitful fields and healthful skies. To these bounties, which are so constantly enjoyed that we are prone to forget the source from which they came, others have been added which are of so extraordinary a nature that they cannot fail to penetrate and soften the heart which is habitually insensible to the ever watchful providence of Almighty God.

Needful diversions of wealth and strength from the fields of peaceful industry to the national defense have not arrested the plow, the shuttle or the ship... the country, rejoicing in the consciousness of augmented strength and vigor, is permitted to expect continuance of years with with large increase of freedom.

No human counsel hath devised, nor hath any mortal hand worked out, these great things. They are the gracious gifts of the Most High God, who, while dealing with us in anger for our sins, hath nevertheless remembered mercy. It has seemed to me fit and proper that they should be solemnly, reverently and gratefully acknowledged as with one heart and one voice by the whole American people..."



E.W.C.

* * *

CERAMICS DEPARTMENT PERSONALITIES

By Jack Clark

One of the newer, but vitally important divisions of Tektronix, is the Ceramics Department, headed by genial and capable TED GOODFELLOW. Porcelain strips, posts and turrets are produced here for use in Tektronix instruments, wherever high quality, highly resistant insulators are required.

It was through the foresight and efforts of Bob Davis that the Ceramics Department was organized.

Ted insists that the growth of his department has been possible only through the adaptability and skill of the people working with him in producing porcelain parts, and through the cooperation of many in the plant who helped create special machines and equipment required for this work.

Ted came to Tektronix in August, 1950, starting in Assembly, later taking charge of sub-assembly on swing shift.

When special pieces were needed for cathode ray tubes, Ted provided them in porcelain. He had good background for this work, as he had studied for four years with the late Dr. H. L. West of Stoke-on-Trent in England, a locality famous for producing the finest porcelain in the world. Dr. West was a retired British ceramics engineer, and an expert on Bone China and Belleek ware.

Ted's ceramics training with Dr. West was invaluable and was further augmented by many years' experience in this field, including five years at DeLake, Oregon, where he was engaged in making pottery, stoneware, and designing and building porcelain firing kilns for sale. He made and sold over two hundred kilns while at the Coast.

The various clays used in ceramics have different properties, and these clays must be mixed in the proper proportions to produce the best results. Ted evolves the formulae for the mixes, using thirteen ingredients, so that the best possible porcelains will be produced.

Probably few people realize the varied sources of the materials used. There are silicas from Illinois, kaolins from Georgia and Florida, ball clays from Belgium, feldspars from Arizona and California, nepheline syenite from Eastern Canada, cobalt from India, and all have a place in the ceramics picture.

The department is continually striving for greater efficiency. Each piece is rigidly inspected following each operation, and all pieces are constantly being tested for porosity, mechanical strength, warpage and shrinkage in order to maintain and improve quality.

With the exception of drill presses, all of the dozen or more machines used were designed and built by Tektronix people, such as the ball mill, silvering machines, silver kiln, firing kiln, plaster vibrator, horizontal drilling machines, sponger, belt sander, double-edge sander, sawing machines, sand blaster and soldering pot. Some operations, still performed by hand, will eventually be done by machines as they are built. Ted is presently designing a larger kiln to meet greater production requirements.

In the quonset hut the powdered ingredients are mixed in a powered tumbler, then wet ground in a ball mill. The thick, creamy mixture is then screened and aged for at least two weeks. The fluid mixture is then

poured into single and multiple molds and allowed to set overnight. Shrinkage during setting allows easy removal of the ceramic pieces from their molds.

Following casting, the ceramics people in the new building take over for finishing, including machining operations and firing of the pieces.

The pieces are extremely fragile before firing and require skill in handling. All the girls in the department are familiar with every operation and, according to Ted and Jack, have most capably carried the delicate prefired material through various production operations.

The cast pieces are sponged and sanded to remove all rough edges, and holes are drilled for the mounting studs. By means of a cleverly devised wire holder, four pieces at a time are carefully dipped by hand into a glaze. The glaze is made from a mixture of clays and fusible materials that result, during the firing process, in a hard glass surface on the porcelain increasing durability and enhancing the appearance of the porcelain.

After glazing and drilling, excess glaze is sponged off, and notches are sawed in the parts and they are fired in a kiln to nearly 2500 degrees F., on a 24-hour cycle.

Silver is applied to the notches, and a second firing at 1400 degrees F., takes place. The silvered notches are sand-blasted to remove oxidation preparatory to tinning, which is done by dipping each individual piece into a molten silver solder pot. Mounting studs are cemented in place and heated overnight to set the cement properly.

These high-grade porcelain insulators are now ready for Assembly for use in the instruments.

Production at present runs about 600 pieces daily, and is still in the embryonic stage.

JACK GAETH joined Tektronix in April, 1951 and worked in assembly until November, 1952 when he went into the ceramics department as group leader.

Born in Everett, Washington, Jack came to Portland when he was eight years old. His home is in Portland, is married and has a year-old daughter. Although Jack likes golf and music, and has played a hot E-flat alto sax and clarinet, he firmly avers that his family is now his main hobby.

(Continued on page 3.)



Left to right: Ted Goodfellow, June Ruyle, Jack Gaeth, Ruby Evans and Laurel Zirschky.

TEKTRONIX AT CHICAGO

By Dick Schmidt

The National Electronic Conference was held in the Sherman Hotel in Chicago on September 28, 29 and 30. On hand at the Tektronix' booth were W.K. DALLAS, DICK ROPIEQUET, DICK RHIGER, DICK SCHMIDT, and GEORGE EDENS, our New York Branch Manager. George was on his way back to New York after visiting Portland for ten days. Our representatives in the Middle West, Everett Associates and The Satullo Company, were on hand to learn more about our instruments and to provide a "breather" for the Tektronix men.

The new Type 535 Oscilloscope was the principal attraction at the booth. With its three plug-in pre-amplifiers, particularly the dual-trace unit, and wide-range sweep circuit, the 535 attracted much favorable comment. Everyone was impressed by the possible versatility, appearance and construction of the scope.

Other new instruments shown were the Type 190 Constant Amplitude Signal Generator, Type 163 Pulse Generator, and the little 315 scopemobile. These instruments were the subject of considerable interest.

Early on the opening day we were visited by many engineers and management people who were also exhibiting. A comment from one----- "Well, it looks like you've done it again." -- should provide a source of satisfaction and pride for every Tektronix employee.

From trade shows, such as this one in Chicago, it is easier to understand the problems of our scope users. Complaints received -- few compared to compliments -- enable us to improve our instruments. In addition technical information is gained from papers presented at the conference. From listening to many, many people, we begin to understand why Tektronix is the leading oscilloscope manufacturer.

Effect of Jan. Tax Cut on Income

How will the January personal income tax reduction affect take-home pay?

According to law, almost all taxpayers will get a rate decrease of about 10% as of January 1, 1954. It would take Congressional action to change this, and the President has stated that he will not request such action.

This reduction means that a married man with two children and a monthly salary of \$225 will have a take home pay increase of 10 cents a month, the amount by which his tax was increased in 1951. If he makes (Continued on page 8.)

(Ceramics Continued from page 2.)

RUBY EVANS was born in Calgary, Canada, but lived most of her life in Albion, Nebraska, before coming to Portland in 1942.

She lost her husband when the "Shark", the first U.S. submarine lost in the last war, went down. Ruby worked at the Oregon Shipyard during the war and later sold Avon products before coming with us in May, 1951. Here she wired sweeps in the 512 group and started in the ceramics department in June, 1952.

Ruby's chief outside interest has been to make a

good home for her fourteen-year old daughter, Karen. She has recently become engaged to Bill Norton of Portland, and they plan to be married New Year's Eve.

HELEN ROSS started with Tektronix in 1948, when there were about thirty people in the plant. She has worked in assembly as a group leader, in shop in the bakelite department, and for the last year and a half in the ceramics department, presently casting molds.

She worked at Willamette Shipyard during the war doing sheet metal work and layout on aircraft carriers and inspecting lagging on piping systems.

Born in Carthage, Missouri, Helen went to school, college and business college there. She came to Portland twenty years ago, and with the help of her dad, who was a carpenter, she cleared land and built her own home.

Two years ago she won the Tektronix Golf Trophy, one of her most prized possessions.

Helen likes fishing, hunting and camping, as well as golf, and has also done oil painting. This versatile lady at one time helped build her sister's home and installed the wiring and part of the plumbing.

Helen first heard of Tektronix through her cousin, MEL LOFTON, when she was invited to join in a Tektronix treasure hunt, and she feels she has been taking part in one ever since.

LAUREL ZIRSCHKY arrived in Ceramics in October, 1952, and her background story appears in this issue's *TEKTRONIX THWOSOME*.

JUNE RUYLE has been introduced in an earlier Tek Talk story -- suffice it to say here that Ted considers her a most valued department member.

In conclusion we should mention that Ted himself has a ham radio station, W7EYP, and is an accomplished arranger and composer of chamber music. At the moment amateur frequencies and stringed harmonies are waiting while he and his able crew are busy building the Ceramics Department up to even bigger and better accomplishments.

* * *

Teacher: "Now, Johnny, if I lay two eggs here and three over there and six more on that side of the room, how many will there be altogether?"

Johnny: "Personally, I don't think you can do it."



**WHEN ENTERING OR LEAVING
PARKING LOT GO WHERE YOU
ARE LOOKING.**

Whether they are a treat instead of a treatment, fully packed, filtered or coool, they have sent

BOYS AND GIRLS TO SUMMER CAMP

By Bill Webber

Do you think frogs can hear? If they could, certainly they would try hard to jump farther and faster under the frantic exhortations and loving care of their proud owner, and trainers. The boys in the picture were at camp this past summer and you see them starting a race of frogs they spent all morning catching. Of course the owner of the winning frog is a big man around camp and mighty proud on top of winning a prize.

Your money made this possible for a group of four girls and four boys who otherwise could not have gone to camp at all. \$96 from the sale of cigarettes handled through the help of our Shipping Department Gang was contributed to give each of these boys and girls one week of camp. Already there is \$71 in the bank toward an even greater number of children to enjoy a camp experience next summer.

The benefits of this camp experience are much deeper and longer lasting than just breathing fresh air, swimming and having fun other ways including racing frogs. We understand a detail story about each of the eight campers you sent would be too lengthy. However, perhaps you can gain an insight into the lasting benefits of the experience by reading the Camp Directors report which reads in part as follows:

"Glenn was a ten year old boy who had been adopted by foster parents. The foster parents had three other children, and although legally adopting him, showed very little affection toward him. Glenn had been a problem, not only in the home, but in school, and the parents had even tried taking him to the Child Guidance Clinic for psychiatric treatment. Fortunately, we had this information before he came to camp, and when he arrived, our best counselor was assigned to his group. The first few days Glenn was sullen and unwilling to participate in any of the activities, and broke camp regulations as fast as he could. Obviously his actions were all to gain attention, for so intense were his desires for attention and affection, he would

go to any extremes to satisfy this need. The counselor was instructed to adopt a "big brother" attitude toward Glenn, encouraging him to go along on all the trips that the counselor was assigned to. Almost within hours, this paid dividends. Glenn started taking an interest in camp activities, stopped breaking camp regulations, and began getting along with his fellow campers, whereas before he had had nothing but animosity towards them. By the end of the season, Glenn was a completely changed boy, and was what might be called an ideal camper. We talked to his foster parents, told them what we had learned about the boy, and what action had been taken. I am happy to report now the mother is having very little trouble with Glenn around the home and he is getting along well in school. Glenn's case was by no means original or exceptional — we have many similar cases each year".

Ours isn't the only group which subsidizes camp experiences for boys and girls who otherwise couldn't go. Campships, Inc. is a United Fund organization which provides the greatest amount of funds each year for this purpose. Your United Fund contribution will also serve to help this and other worthwhile programs.

CREDIT COMMITTEE



Ray Greco



Ida May Norby



John Siddens



Frog Race; campers hunt all morning for frogs, then frog races are conducted in the afternoon, with prize winning owner of frog.

PEOPLE HAVE BEEN ASKING. . .

to whom do we go to see about a loan from the Tektronix Federal Credit Union. See anyone on the Credit Committee — RAY GRECO in the Cathode Ray Tube Department, IDA MAY NORBY in Accessories Group in Assembly II, or JOHN SIDDENS in Final Assembly in Assembly I. If more convenient, you may contact the Treasurer, DICK SCHMIDT, Field Maintenance Engineer in the front office, who keeps regular Credit Union hours from 3:00 to 4:00 P.M. daily.

The board of directors of the Credit Union are: SCOTTY PYLE, KEN WALLING, DICK SCHMIDT, JANE GRACE and DON CALNON.

TEKTRONIX TWOSOME

By LuCille Kain

One of the newest and happiest of our Tektronix Twosomes is Maryellen and Les Stevens.

Maryellen is the pretty, smiling "greeter" of all who cross the threshold of Tektronix, as well as being the cheery voice we hear via telephone and "squawk box".

Les is also in a pretty important spot—Accounting—better known as the "Pay Check Department".



Maryellen is a local product—born here in Portland and attending Beach Elementary and Jefferson High Schools. She's the ambitious type—working in an insurance office after school during her junior and senior years at Jefferson. After graduation she worked at Montgomery Ward and then in the Accounting Department of Pacific Tel. and Tel. During this time she also attended the Patricia Lee Modeling School and later went to business school to brush up on typing and shorthand. Maryellen came to Tektronix in June of 1952 and after working in various spots in the front office fell "heir" to the Switchboard and has been saying "Tektronix" and "Office" ever since!

Les is the travelled member of this team, having been born in Butte, Montana and attending school in Seattle, Denver and Salem. His education was interrupted at this point by the U.S. Navy. He was happy to spend a little more than a year for this—ahlih—Outfit.

In 1946 Les came to Portland to continue his education at Vanport College and then on to two years at the University of Oregon graduating in 1950 with a degree in Business Administration.

Prior to his coming to Tektronix in October of '51 he was in charge of the Finance Department of the Salvation Army in Portland.

Maryellen and Les met while she was on a date with his brother! But after that—well, as Maryellen puts it "Les seemed to take up all of my time". This went on for almost three years before the "I do's" were said.

The Stevens' now have an attractive apartment in Beaverton and spend their leisure moments in front of their TV set. Both enjoy sports and music, attending many football games, and Les plays his Euphonium (That's what I said) in the Salvation Army Band. One evening a week they go to evening classes at Portland State U. (This ambition is catching!)

As all newly married—they have their domestic troubles. Like the time Maryellen asked Les to take the Sunday roast out of the oven while she attended to the rest of the dinner. She handed him the platter and

went on with her work. When she turned around—he had taken the roast out all right—pan and all were setting on the platter and Les was back with the Sunday paper. Husbands!

Then there was the time Maryellen stood in the middle of the kitchen screaming—"Les, the toast is on fire"! Les strode in, pulled the plug on the toaster and put out the fire. Wives!

By Tress Van Diest & Jim Lilly

Sailing into the Tektronix Twosome view are the Zirschkys—Laurel and Gene.

Gene started working with us on July 31, 1951 in the Probes Department, which is currently part of the Accessories Group. He has just recently joined the Inspection Group.

Previous to coming here, Gene spent over five adventurous years in the Merchant Marine. He has toured around the world twice, seeing such places as Shanghai, Bombay, Calcutta, Egypt, Palestine, Australia and many other countries too numerous to mention. Once his ship was torpedoed off the Coast of Okinawa—luckily all aboard managed to be saved. He is quite adept at telling of his experiences, and as a result we were oft times on many journeys far from our work benches, visualizing the many adventures of life on the high seas.

While in port in our own fair city, Gene went out on a "blind date" with a Portland gal named Laurel Grover, and, yes, you guessed it, she managed to clip his sails. And so they were married.

LAUREL ZIRSCHKY came with us in October, 1952, going to work in the ceramics department. Previous to joining Tektronix, Laurel was a bookkeeper with the state civil service welfare department for two years.



For two years during the war she worked for the Northern Pacific Railroad as a telegrapher in various towns in Washington after learning the Morse Code in the N. P. Telegrapher School in Jamestown, North Dakota.

Born and raised in Portland, Laurel married Gene in 1947. Their home is in S.E. Portland, and Laurel's hobbies are crocheting, fancywork and ceramics—she hopes one day to have her own kiln in her home.

They spend many happy hours building their own home and enjoying hobbies of swimming, dancing, gardening and woodworking. A nice little cabinet shop is their pride and joy.

FRINGE BENEFITS

So many people have asked just what our fringe benefits are that DON ELLIS and DON KEPLER with the help of the Accounting Department have prepared this table so everyone here will know what fringe benefits we receive and of what value they are to individuals in various wage and monthly salary brackets.

We all realize that many of these benefits are provided by other companies—but few of them provide all of these benefits.

Column 1 is the *Base Rate per Hour*.

Column 2 is the *Basic Monthly Rate* figured on an average of 163 hours of work each month, not including vacation and paid holidays.

Column 3 is the *Basic Annual Rate* of pay figured on 1952 hours a year, not including vacation and holiday pay.

Column 4, *Paid Time Off*, includes six paid holidays, ten days vacation and ten days sick leave.

Column 5, *Bonus*, is the annual bonus paid in dollars based on the average amount paid since the beginning of 1949, which is 50%.

Column 6 *Social Security Tax*—the amount contributed by Tektronix is 1½% of earnings up to \$3600 in one year.

Column 7 covers *Unemployment Tax* amounting to 1½% of earnings up to \$3000 in one year.

Column 8 covers *Group Life and Health Insurance* in the amount paid by the company.

Column 9 is *State Industrial Accident* at the rate of 1 cent a day per person.

Column 10 covers *Personal Services*, such as company parties, picnics, coffee, tea, movies, music, etc.

Column 11 is the *Total Annual Value* of what Tektronix pays to and for the individual, including base pay, bonus based on average of past percentages, and all fringe benefits.

Column 12 is the *Total Average Monthly Value* based on cost to Tektronix, including base pay, bonus on an average, and all Tektronix benefits.

Column 13 shows the *Average Monthly Value* of base pay and fringe benefits, *without* the bonus.

Column 14 is the *Total Average Hourly Value* of base pay and fringe benefits *with* the bonus.

Column 15 is the *Average Hourly Value* including base pay and fringe benefits *without* the bonus.

Base Rate Per Hour	Base Rate Monthly	Base Rate Yearly	Paid Time Off	Bonus	Social Security Tax	Unemployment Tax	Group Life-Health Ins.	State Industrial Tax	Personal Services	Total Annual Value	Total Avg. Mthly. Value	Total Avg. Hourly Value	Avg. Hourly Value	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
\$1.05	\$171.	\$2050.	\$218.	\$1134.	\$51.	\$45.	\$52.	\$3.00	\$30.	\$3583.	\$299.	\$205.	\$1.84	\$1.25
1.10	179.	2147.	229.	1188.	54.	45.	52.	3.00	30.	3748.	312.	213.	1.92	1.31
1.15	187.	2245.	239.	1242.	54.	45.	53.	3.00	30.	3911.	326.	223.	2.00	1.37
1.20	196.	2342.	250.	1242.	54.	45.	53.	3.00	30.	4073.	339.	231.	2.09	1.42
1.25	204.	2440.	260.	1350.	54.	45.	53.	3.00	30.	4235.	353.	241.	2.17	1.47
1.30	212.	2538.	270.	1404.	54.	45.	56.	3.00	30.	4400.	367.	250.	2.25	1.53
1.45	236.	2830.	302.	1566.	54.	45.	56.	3.00	30.	4886.	407.	277.	2.50	1.70
1.70	277.	3318.	354.	1836.	54.	45.	56.	3.00	30.	5696.	457.	322.	2.92	1.98
1.90	310.	3709.	395.	2052.	54.	45.	58.	3.00	30.	6346.	529.	358.	3.25	2.20
	350.	4200.	448.	2324.	54.	45.	58.	3.00	30.	7162.	597.	403.	3.67	2.47
	400.	4800.	511.	2655.	54.	45.	58.	3.00	30.	8155.	680.	469.	4.18	2.88
	500.	6000.	639.	3320.	54.	45.	58.	3.00	30.	10150.	846.	569.	5.20	3.49

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A CREDIT UNION DIGEST

To keep new employees informed, and to refresh the memories of the rest of us, the following questions and answers on the Tektronix Credit Union have been consolidated.

How do you become a member?

Apply in writing. Pay 25 cents entry fee. Buy at least one share of capital (\$5.00).

What do you gain as a member?

A savings account (the painless way) which earns dividends annually. The right to borrow quickly and easily as emergencies or desires arise (for provident or productive purposes).

What is the annual dividend?

In 1952 it was 4.8%, our first year of operation.

How does this compare with banks?

Your money earns more in the Credit Union. Present bank dividends are from 2½% to 3%.

How many shares can you buy?

Limit: 10% of total shares, or \$6,500.

Can you withdraw your money?

Yes. The by-laws provide for a 90-day notice in writing of intent to withdraw, but this requirement has never been exercised.

What happens if you leave?

You take your money with you if you want to or leave it in savings here.

MT. ST. HELENS AND SPIRIT LAKE

By Reggie Green

Cerulean skies and sunshine vivified the spirits of Tektronix hikers on the jaunt to Ape Canyon up Timberline trail.

Lunching prematurely (to lighten pack-sacks) at a Spirit Lake camp site were Nellie and MILES TIPPERY and children, Mr. and Mrs. Allison (Nellie's parents), Dorothy and DERROL PENNINGTON and family, WIN BACKSTRAND, LEO WULFF, FRED TINKER, PAUL HANSEN, HAWK AU, Mae Wong, JACK MURDOCK, DON ELLIS, BLANCHE COOK, and daughter Suzanne, HELEN WALKER and myself. Forthwith following lunch-time, these blithe countenances, sun-glassed, steeped in sun lotion and insect repellent, eagerly greeted the serpentine slopes winding amongst Mt. St. Helens' volcanic foothills. Spirits adamant, the valorous group braved undaunted the pebbly volcanic ash, and booted a trail across an extensive glacier. (Incidentally, on the return trip the more fervid ice-enthusiasts, Jack, Win and Derrol, slid, partially banister-style, down this frozen glare.)

On the brink overlooking Ape Canyon a mettlesome minority climbed hills, the others surveyed halcyon Mt. Adams, resplendent far away.

Nellie Tippery recounted the ancient superstition surrounding the cryptic title of Ape Canyon, reviving timorous spirits (fearful of meeting their counterparts here?) into renewed joviality.

Back at the camp site, merry, wind-blown hours later, boat riding in placid Spirit Lake captivated many. A few with questionable ardor for chilly waters refulgent with the sun's last rays, cast accentuated pleasantness on the boat trip shorewise.

There, strenght-spent, contented hikers prepared for nighttime. Tipperys and Penningtons, Win, Leo and Fred stayed on through Sunday. The latter three skirted further Mt. St. Helens foothills to attest to the restful beauty of St. Helen's Lake and the verdant hillsides ablaze with a kaleidoscope of blooms.

The hike was truly a memory to retain.

Come wintertime and rain, one can ensconce oneself in an armchair before a cozy fire, and recapture the delectable fragrance of a Douglas fir, the cool enchantment of a glacier snowball, and the friendships encountered in a day of summer hiking, all aglow in the silent reticence of one's own prized reminiscings.

VACATIONISTS AT TEKTRONIX

The Shop had five summer employees:

BRUCE RUMMER spent his third summer here this year, lacquering in the paint shop. He is married, has a ten month old daughter, and lives in Newberg. Bruce is a graduate of Oregon State, science major, and entered the Air Force in September.

PAUL MACKKEY has been in the etch department. He is a Sophomore at Portland State, taking liberal arts, majoring in biological science. Paul has no definite future plans, and is in the Coast Guard Reserve.

GLENN MITCHELL worked on scopemobiles. He's a Sophomore at Western States College of Chiropractic and Naturopathy. Glenn is in the National Guard, Sunset Division, Medical Company. After

completing his schooling, Glenn is fortunate in having a practice set-up for him to take over from a retiring doctor.

DENIS KIDD is working in the bakelite department. He is married to Dona who recently left us. Denis is a graduate of Portland University, an English major. He is a lieutenant in the Air Force R.O. T.C. Denis expected to win the golf tournament here — and did.

GEORGE JANSEN is working on scopemobiles, and this is his second summer here. George is a Junior at Oregon State, majoring in chemical engineering. Before returning to school, he and Glenn toured British Columbia.

KEN AUSTIN is working in the Engineering Department, building production equipment for tube manufacture. He is married and lives in Newberg. Majoring in industrial engineering at Oregon State, he will return to school after entering his car, which he designed and built, in the time trials at Bonneville Salt Flats, Utah.

BERT HOWE, another engineer, has a bachelor's degree from the University of California and a Ph. D. from UCLA. Bert taught physics at Reed College last year. He is married and has three little Howes. He had a song recording business at UCLA as a part time job, and also worked for the United Airlines as a flight engineer.

BOWLING FOR TEK AND FUN

By Don Ellis and Dick Schmidt

Tektronix bowling has continued to grow from the original Tektronix League to a League and a team in another league last year, and to a league and two teams this year. Last year's team ended sixth in a ten-team league.

One Tektronix Team bowling every Tuesday evening at 7:00 P.M. in the MEN'S COMMERCIAL LEAGUE at Canyon Bowl, Beaverton is holding up pretty well. It is now in first place, having held that position for five of the eight weeks, and second spot the other three.

The team is well balanced except for Burt Eberly who is carrying an average of 171. The others are Dick Ropiequet — 163, Don Ellis — 153, Roger Carter — 148, and Don Calnon — 147. Needed assistance was given by spares Chuck Gasser — 157, and Carl Helmer — 155.

The other Tektronix Team bowls Fridays at 9:00 P.M. in the TUALATIN VALLEY LEAGUE, also at Canyon Bowl. Members of this team are Chuck Gasser with an average of 157, Don Pratt — 138, Sid Jones — 154, Carl Helmer — 161, and Dick Schmidt — 158. Subs are Don Calnon — 155, and Burt Eberly — 164. The team is fourth in the eight-team League.

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I'd rather be a could be
If I could not be an are
For a could-be is a maybe
With a chance of touching par.
I'd rather be a has been
Than a might have been, by far,
For a might have been has never been
But a has been was once an are.
(Submitted by LOIS SCOTT)

UNITED STATES VERSUS THE WORLD IN EARNING POWER

The comparative figures below on the earning power of an auto mechanic and a telephone operator in the United States and four other countries, published by

the New York Journal-American, highlight the preferred position of Americans in the economic picture of the world.

Auto Mechanic	Butter	Bread	Bacon	Coffee	Radio	Nylons
United States	22 mins.	4 mins.	16 mins.	23 mins.	1 day 2 hours	30 mins.
Russia	7 hours 15 mins.	51 mins.	10 hours 24 mins.	17 hours 36 mins.	5 weeks 2 days	13 hours 45 mins.
England	48 mins.	6 mins.	1 hour 3 mins.	1 hour 36 mins.	3 weeks	2 hours 48 mins.
France	1 hour 48 mins.	7 mins.	2 hours 9 mins.	1 hour 42 mins.	1 ½ wks.	4 hours 42 mins.
Italy	3 hours 20 mins.	21 mins.	2 hours 36 mins.	5 hours	21 days 1 hour	6 hours
Telephone Operator						
United States	30 mins.	6 mins.	22 mins.	32 mins.	1 day 5 ½ hrs.	40 mins.
Russia	14 hours 30 mins.	1 hour 42 mins.	20 hours 48 mins.	35 hours 12 mins.	10 weeks 4 days	27 hours 30 mins.
England	48 mins.	6 mins.	1 hour 3 mins.	1 hour 36 mins.	3 weeks	2 hours 48 mins.
France	2 hours 36 mins.	9 mins.	2 hours 54 mins.	2 hours 18 mins.	1 week 5 days	6 hours 6 mins.
Italy	3 hours 36 mins.	24 mins.	2 hours 48 mins.	6 hours 10 mins.	1 month 3 days	6 hours 36 mins.

WORDS OF WISDOM

"If a nation values anything more than freedom, it will lose its freedom; and the irony of it is that if

it is comfort or money it values more, it will lose that too." W. Somerset Maugham

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(Tax Cut Continued from page 3.)

\$300 a month, he will get an increase of \$1.60. If he makes \$375, his increase will be \$3.00 a month.

Social Security Tax Up

However, there is another law that cannot be overlooked when considering a take-home pay increase due to lower taxes. The Social Security tax paid by both worker and employer on the first \$3600 of the worker's annual pay is scheduled to increase from 1½% to 2% on January 1, 1954.

The effect of these two laws is in opposite directions for the tax reductions shown in the examples above will be offset by monthly social security increases of \$1.12, \$1.50 and \$1.50 respectively. The*

net results is that the man making \$225 a month will have \$1.02 less in his monthly pay envelope, the man making \$300 will come out with 10 cents a month more, and the man making \$375 will gain \$1.50 a month from the two tax actions.

If you are self-employed, your income tax will be about 10 per cent lower while your social security tax will increase from 2¼ per cent to 3 per cent on your first \$3,600. If you are not covered by Social Security, you will get the full benefit of the January income tax reduction.

*Because the tax is withheld only on the first \$3,600 of income the \$375-a-month man will actually pay \$1.87 a month more for about 9½ months, and nothing thereafter—which averages \$1.50 a month for the year. Reprint from WASHINGTON REPORT Oct. 23, '53



Copacabana Beach in Rio de Janeiro

Reprinted from *BRAZIL*.

SOUTH OF THE BORDER

By Marj Drain

(Continued from the last issue.)

Our next stop after Santiago, Chile, was Buenos Aires, Argentina. From the air, Argentina appears to be very progressive and prosperous—neat little patches of fields below and well kept farm houses. The atmosphere is rather like an icy breeze on the back of one's neck—even aside from the fact that the temperature was down to about 37 degrees. One had the feeling that he had best not talk out of turn or there would be consequences. The high spot of our stay in B. A. was hearing the opera "Don Carlos" at the fabulous Teatro Colon, the largest opera house in South America. The opera was splendidly performed, although the outstanding participant was Jerome Hines of our own Met. In one scene there were approximately 200 people, including principals and chorus, and the huge stage didn't even look cluttered.

Next on our schedule was Montevideo, Uruguay. Montevideo was more like the United States than any other city we visited. There were many people who could speak a certain brand of English, and they enjoyed trying it out on us. We welcomed every attempt, since our Spanish had progressed only to the counting-to-ten stage. The Uruguayans celebrated their Constitution Day while we were there, and we mingled with the crowds, listening to the bands and watching the parade. When it was time for the political speeches—in Spanish yet—we gracefully bowed out. Montevideo, has the easy, languid attitude of a typical resort town, and we enjoyed it immensely. It was a relief after the determined industry of B. A. The Commercial Attache to the American Embassy in Montevideo and his wife showed us around the city, and we could not have asked for better guides. One of the highlights in Montevideo was a performance by

a group of Spanish dancers, unusually skilled and delightfully costumed. The program began at 10:15 in the evening, a perfectly normal hour, since dinner is from 8:00 to 10:00 P. M. I still don't know when South Americans sleep, since most of them, particularly in the cities, don't actually sleep during the siesta time—they merely spend two to three hours eating lunch. Most of them start work at 8:30 or 9:00 AM as we do, take three hours off in the middle of the day, and work till 7:00 P. M., with dinner from 8:00 to 10:00. (I didn't want to get trapped into discussions of food, but this I must mention—in Montevideo we paid two U.S. dollars a day for all our meals and we could have three inch filet mignons for every meal but breakfast if we wanted them—and we did!)

Sao Paulo, Brazil was next on our itinerary. Sao Paulo is a bustling, progressive city with a population comparable with Rio's. It is the coffee center of Brazil. We took a side trip to Santos, the coffee port, and visited the Coffee Exchange, where the bidding sounded a good deal like the famed tobacco auctioneers in our cigarette advertising—about as easy to understand too.

In Rio we were delighted to find that our hotel was right on Copacabana Beach. Even though it's winter-time in Rio, the sun was shining and it was warmer than the Oregon beaches ever are. Going in the surf is a pretty pleasant experience on Copacabana Beach! We toured Rio, traveling through Tijuca Forest, to Corcovado where the famous statue of Christ looks down upon all of Rio, to Petropolis, resort town of the monied people of Brazil, and a number of other places. Rio is a wonderful spot for nature lovers—wish we could have stayed longer.

Our next flight was a long one, from Rio to Port of Spain, Trinidad. Brazil is as large as the United States with an extra Texas thrown in, so we had (Continued on page 10.)

(Brazil Continued from page 9.)

plenty of territory to cover. In Trinidad we saw lots of bamboo, rice, and sugar cane. There were huge herds of water buffalo, and one of the common modes of transportation is by water-buffalo-drawn carts. Of all the places we visited, Trinidad is the only one where traffic moves on the left-hand side of the road. This can be quite awkward when driving a car with a left-hand drive.

San Juan, Puerto Rico was our last stop before returning to the States. Here too our hotel was right on the beach, but it was too windy to enjoy it the day we were there. It was certainly a relief to get back to the U.S. dollar again! The flora of Puerto Rico is very similar to that of Panama.

While in South America, I had the opportunity of meeting our distributors for Argentina and Brazil, and received from them an authentic story on the difficulties the South American countries have encountered in importing instruments. As an example I'll try to give you a brief story on Brazil. The healthiest economic condition for any country exists when their import and export trade are in balance. During the war, Brazil exported many items to the countries at war, and particularly with regard to the United States, accumulated a very large credit in U.S. dollars, inasmuch as practically all U.S. goods were utilized in the war effort. Following the war, many enterprising Brazilians went into the import business, and imported U.S. goods which quickly overcame the accumulated credit and was completely out of proportion to maintain a normal, healthy balance. Not only was her credit depleted, but she became indebted to such an extent that the Brazilian Government ruled that no more goods would be imported until Brazil could once more get on a solid economic footing. Even automobiles, which we consider practically a necessity, are not allowed to be imported into Brazil, and when a few are sneaked in through the black market, outrageous prices are demanded. A new Chevrolet in the various South American countries would range in price from 800 to 17,000

U.S. dollars. The chances of importing an oscilloscope into Brazil at the present time are even more remote, since electronic instruments are not considered an absolute necessity. However, our Brazilian distributors are confident that there is a good market for our instruments in Brazil, and that the economic situation will equalize toward the end of this year and trade can be resumed on a normal basis. — Any questions?



Salvador, showing the Lacerda elevator which connects the upper and lower levels of the city. Reprint from *BRAZIL*



Brazil's most modern highway, the 35-mile-long Via Anchieta, between Santos and Sao Paulo. Reprint from *BRAZIL*



Church of Bom Jesus do Matozinho in Congonhas do Campo, famous for statues by Aleijadinho. (Reprint from *BRAZIL*.)

EASTERN FIELD OFFICE NEWS

On Saturday evening, October 10, 1953, a group of friends and associates gathered to celebrate the birthday of EVELYN DUNHAM and to wish her many happy returns of the day.

MARGARET JOHNSON and husband John were hosts at their Bronxville apartment. Margaret and Evelyn comprise the Enginrear contingent at the Bronxville Field Office.

All on hand were treated at an early (?) hour to hamburgs (East Coast jargon for hamburgers) prepared by the honored guest herself. The modest number of candles which decorated the birthday cake were confident that her fondest "wish" will be granted, extinguished in a single blow by Evelyn and we are

in attendance were Mr. and Mrs. Johnson; their houseguests and long time friends Don, Zilla and Lisa Deagan; Norma and JACK CASSIDY; DICK ELLSTROM; DAL; ANN DWINELLE, Syracuse Enginrear, and, of course, EVELYN DUNHAM.

A fine time was had by all and the final song was "Why Don't We Do This More Often".

BABY PARADE

A pretty colleen named Mary Jo entered the lives and hearts of Vera and JOE O'MEARA, spray painter in Shop, on November 4. Big brother Patrick Michael, age two, approves.

ED STOWE of Shop, and wife Joyce, acquired a baby sister for Wilma on October 30, weighing 7 lbs. 9½ oz.

PAUL TRIPP and his wife Shirley are first-time parents since September 21st when Kathleen arrived. ing Joyce presented GENE CAVANAUGH of Purchasing with a belated birthday remembrance on October 15 weighing 8 lbs. 13½ oz. They have Linda Carol, age 5, and Douglas Eugene, age 2—the present addition is Steven Mark.

The last issue of Tek Talk, we are sorry to say, omitted announcing:

Flonence and VERNON WALKER (Stock) had a 6 lb. 6 oz. baby girl on July 24—Anne Elizabeth. She's their first—of the half dozen on order.

A first child was also born to Natalie and JEAN DELORD (Engineering) on July 27—Catherine.

The DON LARSEN (Component Test) household is being bossed since July 15 by the tiny but mighty Donald Robert.

A baby girl joined the JACK HUGHES (Final Assembly) gang on September 28 to total a family of five—Leone and Jack, and offsprings Roger, Jacqueline and Debra Lynn.

Dona and DENIS KIDD (Shop) are trainer and manager, respectively, of Kidd Carl David since September 19 at which time he weighed in at 6 lbs. 14½ oz. They say the Kidd's a champ.

Much to be thankful for have JOHN KOBBE of Engineering and Geneva, formerly of the front office. Their first son was born on November 10, weighing 9 lbs. 11 oz., and will be known as Rick Allen Kobbe.

NEW FACES

in Assembly belong to HAZEL LOVE, Cables, and REGINA COSBY, Mechanical Assembly. Returning to the fold are MONICA VAN MUNSTER, Unit Wiring, and JOHN RIESCHEL in Final Assembly. The Test Department acquired FRANK THOMAS. In Shop it's JOE O'MEARA, the new Janitor is BEN-JAMIN MORLOCK, in the Printing Department it's ERNIE PLAPP. For Tube Production we have LAURA LUSK, and ANA HAAS has returned. The Engineering Dept. has added "TOMMY" THOMPSON. In Purchasing ROBERT "FITZ" FITZGERALD is back on the scene. The Stock Department has welcomed LLOYD DAVIDSON, "LEFTY" VANDEHEY, "CORKY" HYMES, JOE DIMEO, BILL SEDIG and JOE SCHWARY. ORPHA ENMARK joined the front office in Field Maintenance, and CARLA OPPEN is the new girl in Ceramics. The Transformer Department is happy to have JERRY HITCHCOCK back.

* * *

"There are three sides to every question, Yours, Mine, and the Right one."



If I sought just the good in you,
And you the good in me,
Perhaps within a day or two
We'd find a remedy
For all distrust—suspicion, too,
And we'd quite friendly be—
If I sought just the good in you,
And you the good in me. — Carl C. Helm

* * *

Herky: "How old is you?"
Jerky: "I is five. How old is you?"
Herky: "I don't know!"
Jerky: "You don't know how old you is?"
Herky: "Nope."
Jerky: "Does women bother you?"
Herky: "Nope."
Jerky: "You is four."

* * *

"Consideration, is what a lady shows when she shoots her husband with a bow and arrow because she doesn't want to wake the children."

* * *

Druggist: "Did that mudpack I suggested improve your wife's appearance?"
Customer: "It did for a few days, but then it wore off."

* * *

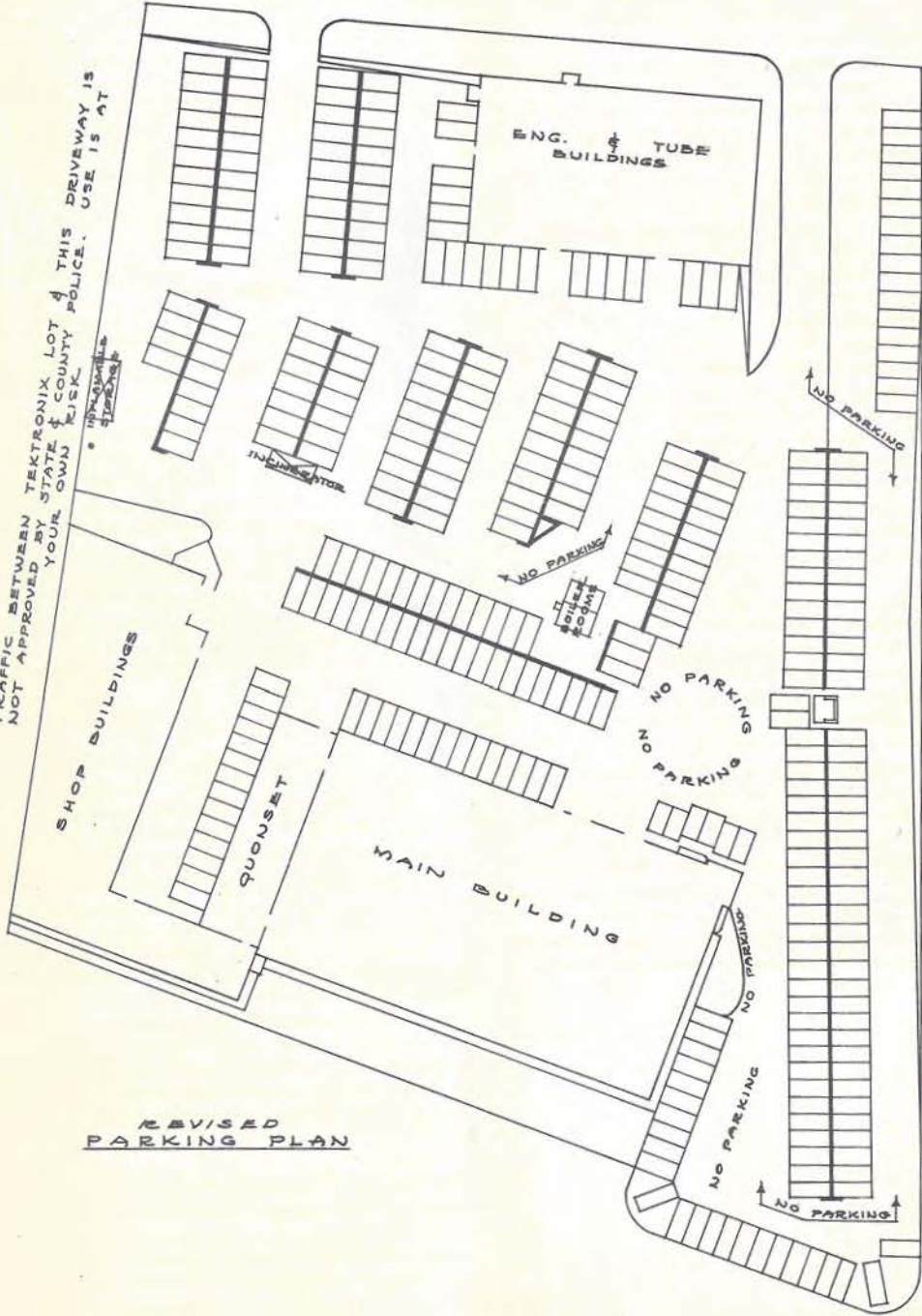
"Waiter, there are two flies in my soup."
"So... he finally caught up with her."

* * *

Officer: "Are you happy now that you are in the Navy?"
Boot: "Yes sir."
Officer: "What were you before you got into the Navy?"
Boot: "Much happier."

* * *

TRAFFIC BETWEEN TEKTRONIX LOT 4 THIS DRIVEWAY IS NOT APPROVED BY STATE & COUNTY POLICE. USE IS AT YOUR OWN RISK.



REVISED PARKING PLAN



TEK TALK



VOL. 2 NO. 10

DECEMBER 1953

The Christmas Story



Now it came to pass in those days, that a decree went forth from Caesar Augustus that a census of the whole world should be taken. This first census took place while Cyrenus was governor of Syria. And all were going, each to his own town, to register.

And Joseph also went from Galilee out of the town of Nazareth into Judea to the town of David, which is called Bethlehem, being of the family and house of David, to register together with Mary his espoused wife who was with child.

And it came to pass while they were there, that the days for her to be delivered were fulfilled. And she brought forth her first-born son, wrapped him in swaddling clothes and laid him in a manger because there was no room for them in the inn.

And there were shepherds in the same district living in the fields and keeping watch over their flock by night. And behold, an angel of the Lord stood by them and the glory of God shone about them and they feared exceedingly.

And the angel said to them, "Do not be afraid, for behold, I bring you good news of great joy which shall be to all the people, for today, in the town of David, a Saviour has been born to you who is Christ the Lord. And this shall be a sign to you, you will find an infant wrapped in swaddling clothes and lying in a manger."

And suddenly there was with the angel a multitude of the heavenly host praising God and saying,

"Glory to God in the highest and on earth peace, good will toward men."

Merry Christmas

And A Happy New Year!

SHOP TALK

By Vern Bartlett

Observing an oscilloscope, the highest point of interest is undoubtedly that intricately assembled mass of electronic components, beautifully etched chassis, tubes and great quantities of wire, all of which produce the green wave forms we see behind the plastic graticule.

But what about the humble frame? It too, has an important function. A scope without frames is like a house without a foundation.

Those who produce them must use accuracy throughout, particularly in cutting legs and backs to length. The dimensions are held to a tolerance of fifteen thousandths of an inch.

Made of three-quarter inch aluminum angle, the frame parts are first sawed square, then beveled to provide a "V" groove for welding. Next small "feet" are cut from one-eighth inch aluminum and welded to the leg ends. These are later drilled and tapped to provide a place to mount the sub-panel.

Welding requires great care since the expansion-contraction factor of aluminum is so high. This necessitates the use of accurately made jigs to hold the parts together so they will be exactly square when finished. All frames are welded by AL FOLEEN, Group Leader.

All other steps — sawing, drilling, tapping, etc. — are done by GEORGE "SCOTTY" AITKEN and ORVILLE RIGGS.

Before welding, the legs and backs must have holes punched and drilled, some counter-sunk, to accommodate mounting screws for such chassis as the vertical amplifier, sweep and delay line. These and other parts must fit perfectly to avoid a bind throwing the frames out of line and making a poor fit for the sub and front panels.

After welding, the frames are taken to the belt sander where the weld is smoothed level with the surface. Etching and lacquering, the next two steps, brings out the beauty of the frame.

Insulating blocks are made of pressed canvas. The etched frame is sawed in two and these blocks are bolted in, leaving a small gap in the back section. This prevents magnetic lines of force surrounding the power transformer from being introduced into the frames and transferred to the cathode ray tube, causing an undesired deflection in it.

Much material has gone into the production of the frame just over the past two year period. Approximately 24,000 lbs. of aluminum has been used. Were this aluminum used in making window frames, this amount would be sufficient to equip enough small windows for 635 average homes. The angle used would make enough rails to build a two rail fence completely around the Tektronix grounds.

Heading the frame crew is AL FOLEEN, whose private life embraces the three C's—Connie, Carl and Chris. The boys are age four and two, respectively. Al enjoys tennis, dabbling in amateur photography, hiking and mountain climbing. He has been with us since July 1, 1951,

after graduating from Portland University with a Bachelor of Science degree.



Al Foleen



George Aitken



Orville Riggs

GEORGE "SCOTTY" AITKEN was born in Linlithgow, Scotland — also the birthplace of Mary, Queen of Scots. Scotty came to Portland from Canada in 1923, and has been with us since September, 1951. Last December Scotty took a trip to Scotland and in May his bride Elizabeth of five months left the heatherland to join him in a happy reunion. One of Scotty's off-time activities is the remodeling of their home located a mile from the plant.

ORVILLE "SLIM" RIGGS was in the sheet metal trade for four years before coming to Tektronix in October, 1951. Slim claims his hobby is watching TV, but he's more active than modesty permits him to divulge. Many faces (including a pan with a like handle) have witnessed his rolling a mighty pretty bowling average. Slim has a family — Betty and six-month old Jim — of whom he is very proud. If his head appears to be in the clouds, however, it's merely an illusion caused by his 6 foot, 6 inch height. Actually, his legs reach clear to the ground.

SHIPPING DEPARTMENT

By Scotty Pyle

Here lies the responsibility of packaging instruments for safe arrival to the customer. Into each shipping carton goes the correct instrument, the proper accessory items and an instruction manual individually notated to show any "production" or "test" changes. The neat, accurate and complete records maintained in this depart-

(Continued on next page.)

ment furnishes invaluable information in checking on details of former sales.

PAUL BELLES, who heads our Shipping Department, has been with Tektronix since February 26, 1949. Paul and JACK MURDOCK were among a group of Portland men who enlisted in the Coast Guard on August 12, 1942. Paul served in Alaska and on a troop transport going to Korea and Japan, and after a pleasant excursion was discharged on March 30, 1946.

At home he loves to romp with his two sons David, age three, and John, nine months, and sing duets with their mother Wahanita. In 1948 Paul and Wahanita planned and built their own home, which he has since sold. Right now he is working on plans to convert a good part of the large basement in his new home into a party room.



Paul Belles



Clinton Parmley

CLINTON PARMLEY takes the philosophical viewpoint of his 14 months tour in England with the Air Force. While at times their customs are annoying, he finds that a tolerance toward their way of living makes for a pleasant stay. A must for travelers who like coffee black is that they specify no cream and no sugar, and then accept the waiter's look of incredibility with resignation and also accept the "coffee" with resignation. Tea must be made in a teapot reused for many years before it achieves the "flavor". Because he was there during one of the mildest winters, Clinton found the English climate not too different from the climate at Tillamook. After returning from England, Clinton was released from service in October, 1952.

Clinton joined Tektronix the first of June this year to help in getting out a record number of instruments during the month of October. Clinton and his wife Betty, who is from Hood River, enjoys the Oregon climate. As a sportsman Clinton likes to go fishing on weekends.

COLMAR BJERKE was born in North Dakota and moved to Oregon with his folks in 1940. During his tour in the Air Corp, Cal was in the Finance Department, and knows the reason for our staggering national debt. In fact, he helped wear out the two tills that needed replacing by Bill Ewers.

After getting out of the Air Corp, Cal promoted the use of Tetra-Ethel and had to make so many trips to the bank with funds that the bank thought he was an employee. One day they asked why

he didn't keep better hours. After explaining the situation, he went to work for them.

Cal joined Tektronix and the Shipping Department in October 1952, and thoroughly enjoys watching the cartons of instruments going out the back door to customers all over the world.

Cal's spare time is spent in doing the countless jobs that need to be done around the house. Still going is a house painting project that has been postponed because of rain. Cal enjoys spending his sparse "spare time" reading deep scientific treatises such as "Argosy" and "True".



Cal Bjerke



Jim Peabody

As an exponent of the golf game, JAMES PEABODY rates among the highest at Tektronix. His bi-weekly golf game keeps his score down in the forties, any lower and he'd need flood lamps to see the last nine.

Jim moved from Manhattan, Kansas with his folks in 1943. He returned to Kansas to attend high school. After finishing he came back to Oregon and worked at Coos Bay for a year before coming to Portland and Tektronix. In 1951 Jim requested a leave of absence to attend Wesleyan Methodist Church College. He returned to Tektronix last year to help in the Shipping Department. Parcel Post shipments occupy most of Jim's time during the day.

Jim and his wife Eileen have a young son, Michael, age 3, who occupies a great deal of their spare time. Jim and Mike play shoe salesman. In case you would like to play the game, select a young son who has a yard stick. You take off your shoe while the salesman measures your foot. What size do you take? Thirty pounds! Thirty pounds corresponds to Mike's weight. When not occupied buying thirty pound shoes, Jim plays basketball and paints.

BILL EWERS was born in Cedar Rapids, Nebraska, and lived about a block away from Chuck Rutten. Bill attended a family wedding with Chuck, and instead of the bride being the center of attraction for Bill, a bridesmaid named Betty held his attention. Betty lived in Hillsboro, Ore. and was in Nebraska on a vacation to attend the wedding. After Betty left, Bill and Chuck decided they needed a vacation in Oregon — at least Bill thought so! Two weeks after returning from their vacation, these wandering boys

(Continued on next page.)

decided Oregon was the place to live. To end this part of the story quickly — Bill married Betty on November 19th.

Bill strayed away from Oregon in 1951, at the request of the Army Engineering Corp. As a sheetmetal specialist, Bill was qualified to produce intricate and complex arrangements of metallic combinations. Precisely, he built two money tills.

Bill would like, eventually, to join the Test and Calibration Departments, and is interested in learning about electronics.



Bill Ewers



Chuck Rutten



Floyd Stewart

Having heard so much about Tektronix during his tour in the service, CHUCK RUTTEN decided this would be a good place to work. A tour with the Quartermaster Corp in the States qualified him to serve with an Ordnance Company in the 8th Army in Korea. You don't see the connection? Only the Army does. Chuck started with us in April and is presently "cabinetizing" scopes.

When asked about his youth — that is, his extreme youth — Chuck made a veiled reference to buckshot and watermelon, but on closer questioning the conversation diverted to cantaloupe. Oh, yes, there was mention of a doctor probing for little round pellets.

Chuck and BILL EWERS, who are close friends, grew up and attended high school in Cedar Rapids, Nebraska together. Photography and a girl take up the balance of Chuck's time.

FLOYD STEWART, another fisherman, enjoys trips to the Alsea River, where he can spend a weekend of leisurely fishing with a long time friend. The outing includes the entire family, who like the taste of sizzling trout freshly caught by Dad.

Floyd likes to spend an evening reading. He is interested in Theology and likes to trace the effect of religion on society — observing that any lasting society has had a religion that contains a strong moral core.

Owning a dairy herd was the ambition of Floyd when he started a herd and milk route at the age of 14. He continued until he was twenty when the milk control law, with the complexities to the small concern, forced him to sell his herd. Floyd recalls just prior to closing out, he delivered milk in a canvas newspaper bag. One time a milk truck driver asked him what paper he had. Floyd yelled back "The Milkman's Gazette". They both laughed and continued on their way.

In March, 1952, Floyd joined the Shipping Department and lends a hand to the many tasks of preparing the instruments and cartons for shipment.

COSTAL PLANT REVIEW

BOB DAVIS took a two-week trip in November, visiting plants on the West Coast to compare notes on wage structures, job classifications, production methods, etc. On his return Bob said nowhere did he see anyone do a better job as far as quality of work is concerned, or as efficiently, as our own people.

The tour took in Hewlett-Packard Co. in Palo Alto, the largest instrument manufacturing company on the West Coast; Litton Industries in San Carlos, manufacturers of Magnatrons, a high frequency type vacuum tube, where by the way, he found a philosophy similar to ours.

Our Los Angeles representative, Neely Enterprises arranged visits and contacts for Bob in that area. At Hughes Aircraft he took note of sequence wiring. Packard Bell was a revelation in mass production on a high speed operation. Four hundred television sets a day are assembled on a moving track, with sub-assemblers sitting opposite assembly line people, keeping their bins filled with parts. It takes fifteen minutes, for example, to wire a regular AC-DC table model radio. Every one-hundredth of a second is accounted for.

To the other extreme, Bob found custom handling of amplifiers for the movie industry, speakers for radios and television sets at Altec Lansing Corp. in Beverly Hills. Here there are no production runs.

He watched transformers built at Triad Transformer Company for aircraft companies and the television industry.

One other purpose of Bob's trip was to check into a new wire stripping machine at the Sequoia Wire Works. He saw how the machine worked, liked what he saw and placed an order — not for the machine, but for the head. Jim Morrow was given the job of building the machine in line with our own specifications.

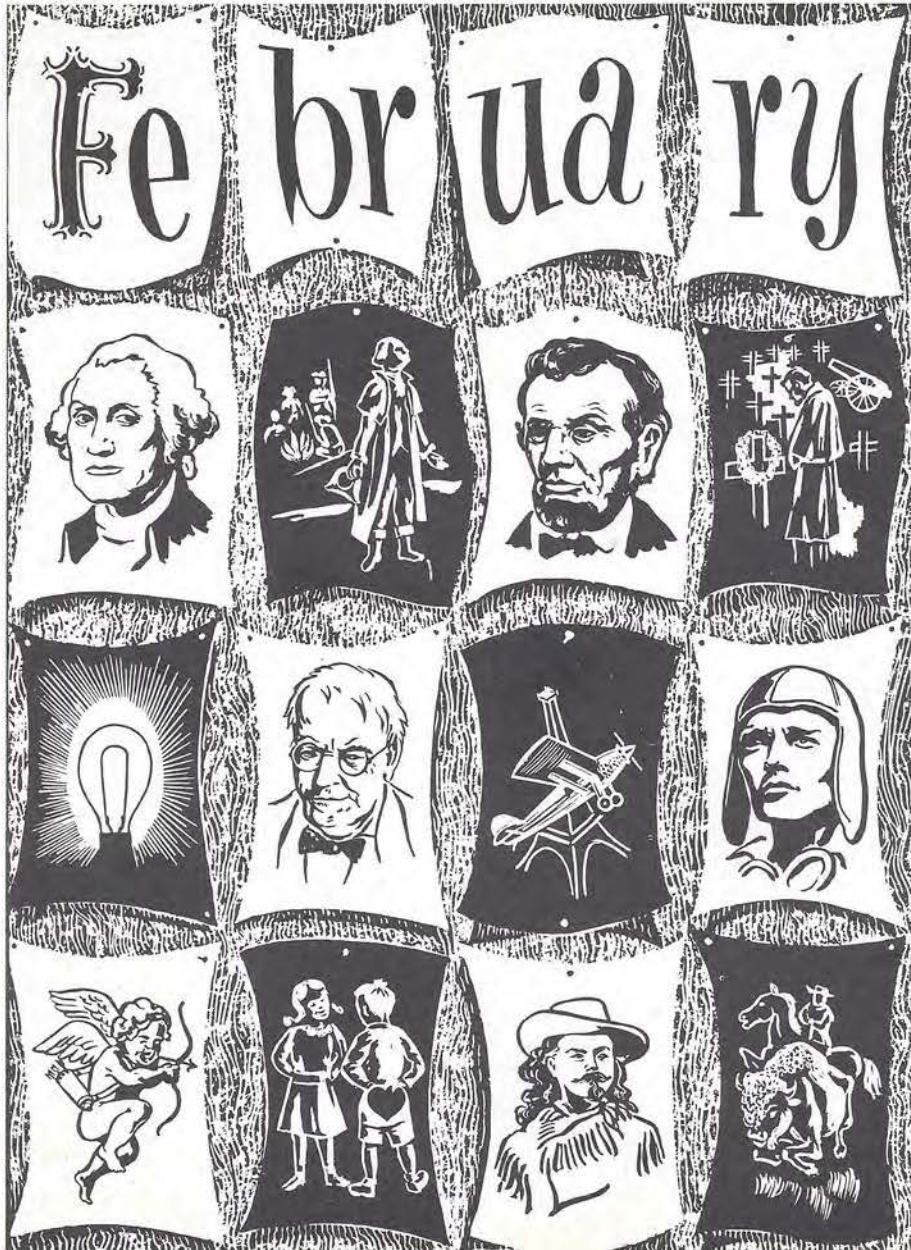
The tour afforded a better insight into the planning and thinking of other manufacturers and allowed an objective view of our own methods and the results. As Bob says, "Our people are really good".

TEK TALK



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EDUCATORS MEET IN SALEM

BILL WEBBER was there when the Oregon Association of School Administrators held a one day conference in Salem on December 28 because they were interested in hearing about Tektronix policies firsthand.

Elementary and high school principals, superintendents and other administrators in the Oregon school systems were addressed on Monday morning by the Vice-President in charge of personnel of the U. S. National Bank of Portland on "Personnel Policies and Procedures in Industry". This talk was followed up with one by Dr. William R. Odell, Professor of Education at Stanford University on "Personnel Policies and Procedures in School Administration".

Discussion groups were formed to discuss various factors in personnel policies, and these discussion groups presented questions to a panel.

BILL WEBBER, serving on the panel, contributed food for thought from his store-house of experience both in business and as a parent, generously sprinkled with condiments of Webberisms.

It would appear from the interest shown by school administrators in the personnel policies in industry that they are well aware of the teacher's point of view and are giving it every consideration.

There's a Change in Your

"TAKE-HOME" PAY

MINUS

Social Security Taxes Up!

On January 1, 1954, the social security tax rate went up from 1½% to 2%. The rise affects both you and your employer — each now pays 2% to the government on earnings up to \$3,600. This deduction starts with this payroll period.

The increase paid by you represents the MINUS in your "take-home" pay.

PLUS

Income Taxes Down!

This year individual income taxes will be lower. This means that your tax bill will be about 10% less in 1954. Consequently, your employer will withhold less money from your pay for tax purposes.

The new withholding for the government also starts with this payroll period.

That's the PLUS in your "take-home" pay.

(Reprinted from Bureau of Business Practice)

* * *

MISC. from ETAOIN SHRDLU

Negotiable. In Santa Rosa, Calif., sheriff's deputies, sent to John Blum's grocery to collect \$300 in alimony, found only \$75 in the till, quickly got the balance after showing Blum a writ ordering them to seize "any or all coffee owned or possessed by the defendant."

Out of Season. In Springfield, Minn., Alfred Schneider, arrested for threatening a woman on a street corner with a knife, was released after he told police he had mistaken her for his wife.

Hunting Season. In Newark, the News carried this ad: A GROUP OF CITIZENS IN NORTHERN NEW JERSEY SEEK A YOUNG MAN INTERESTED IN GOVERNMENT WHOM THEY CAN SUPPORT AS A CANDIDATE FOR THE CONGRESS OF THE UNITED STATES; MUST BE INTERESTED IN GOOD GOVERNMENT, ABLE TO SPEAK EFFECTIVELY AND WILLING TO CAMPAIGN AGGRESSIVELY.

Separate Account. In Chicago, when police picked up Orvall Schlater for shoplifting and found \$3,083 hidden on him, he made a request: "Don't let my wife know about this money. I want to buy a car."

* * *

MECHANICAL DESIGN SHEET METAL DEVELOPMENT

By Jack Clark

According to JIM MORROW, Mechanical Engineer, about a year ago a definite need was felt for help to work up numerous projects in sheet metal. Talent was found in two young men in the shop — "SLIM" SORENSON and JIM KELLY — who have since been transferred to the Mechanical Engineering Department.

They have been working in the northeast corner of the shop, and from this oasis meeting ground for Mechanical Design men and engineers, many unusual engineering tools and production expediting devices have evolved during the past months.

Rough idea sketches are supplied by the engineers and from these Jim and Slim work out mechanical details and develop the finished projects, working closely with JIM MORROW and other members of the engineering staff.

Many valuable projects have been developed. Citing just a few examples, there are the kilns and new sand blasting machine for the Ceramics Department, the analogue computer, special work on the press for Plastics, the 315 Scopemobile, special designed ovens and muffles, including ovens for baking the paint on the inside of cathode ray tubes, for heat treating and heat testing capacitors, and for curing paint on front panels; also, as described in an earlier article, the anodizing machine for metal parts.

Initial runs of ten to fifty units are made of new instruments, depending on size and type, and in this specialty department mechanical features are developed and refined preparatory to full scale production. Such assistance is invaluable to engineers who have their hands — and minds — full, coping with the electronic phases of the new instruments and projects.

Yes, this Mechanical Design section is busy and important and an excellent example of the close harmony and cooperation with which the people at Tektronix work.

JIM KELLY was born and raised in Portland, but the first time we laid eyes on him was in August, 1949. Prior to joining us, Jim was connected with an electric motor repair shop, and spent some time running a tugboat on the river. That was after serving three years in the Navy as a machinist's mate in the ship repair unit.

Jim is married to pretty Kitty Kelly and has a (Continued on page 3)

HOW TO KEEP A SECRET

By Will Marsh

The things that can happen right under our noses! Who would have thought — but they didn't — well!

MARJ DRAIN, our Marjie, witty, pretty and a sweet treat to meet, lit the fuse of a secret weapon way back last fall. Last Friday, she watched it blow up. She showed up with a brilliant rock on the discretionary digit, and sat back with a whimsical smile listening to the pop of eyeballs.

Who was the indispensable colleague to this emotional embullience? Who was the Silent Man? It couldn't be, but it was, and is, DICK TOLLISEN, the eager, enterprising, engineering purchaser, who kept a fat secret stowed behind a gracious grin.

The Climax occurs on February 27 at St. Stephen's Catholic Church at the 10:00 a. m. Mass. And here's the only sad note: Marjie isn't coming back; our exhilarating export expert will be expended.

Everybody who knows the guy and the gal are real glad that they were glad to be had.

I'm just so happy about it all, mph — gulp — sniff — I just gotta go out and have a good — sniff — — cah-rye.

* * *

All that keeps some families from having a home of their own is a popular teen-age daughter.

There were three Saint Valentines in early Christianity, each a martyr, and the death of each was associated somehow with February 14. Why their names came to have a connotation for lovers is unknown. Europeans of the Middle Ages believed that birds mated on February 14; thus, historians say, the exchange of greetings between sweethearts which survives to this day.

* * *

YOUR CREDIT UNION

At the Credit Union's annual meeting on January 14, the members approved the Board of Directors' recommendation of a 6% dividend.

Retiring President SCOTTY PYLE gave a brief talk on the advantages of the Credit Union, what it has to offer, such as share insurance, life savings insurance, building estates for your children, etc. RAY GRECO, Chairman of the Credit Committee, reminded everyone that a definite time is set aside, Monday afternoons, for reviewing loans except when an emergency arises — "and an auto loan is not considered an emergency". JOHN MATTHEWS, reporting for the Supervisory Committee, said during the business year just completed, your Supervisory Committee conducted quarterly audits, and each audit has shown the financial records to be in good order. In addition, the business practices and philosophy of the organization were in keeping with the Credit Union regulations and in the spirit of the movement. DICK SCHMIDT, in presenting the financial status of your Credit Union as of December 31, 1953, explained to some length what is included in each item listed on the financial report, trusting that this explanation would help others understand future reports.

(Continued on page 5)

"NO ONE SHOULD BE WITHOUT ONE" ...

By Bette King

... is the attitude of the latest ten Tek people who received their First Aid Cards — especially when learning can be so much fun as it was under the capable direction of Miss Lydia Morgan, who very generously gave of her time, patience and wit. Lydia is a surgical nurse at one of the local hospitals and her time as a First Aid Instructor is donated.

All ten feel that the twenty-two hours (two hours a week for eleven weeks) was time well spent. We never know when an emergency will arise, and it's a good feeling to know what to do until the doctor arrives. Prevention is also a phase of the course and it's surprising the number of common hazards around us. For instance, have you noticed how many items could fly at you from the back window ledge of the car if you made a sudden stop? Flashlights and cameras carry quite a wallop!

The ten who say "Thanks" to Tek and Lydia for making this course possible are: GORDON ALLISON, Test; VERNA DOBSON, Transformers; DIXIE KAHN, Assembly; LUCILLE KAIN, Office; ED KIEPKE, Assembly; ELAINE KINSMAN, Assembly; TOM RUYLE, Shop; JOE VISTICA, Test; LAUREL ZIRSCHKY, Ceramics and BETTE KING, Purchasing.

(Mech. Design Continued from page 2)



daughter Marschell, age ten, and a son Mike, age five. His hobbies are model boat building, hunting, fishing, and working on cars of which he has five and parts of a sixth.

SLIM SORENSON started with us in November, 1950 to do shop production work. Slim is experienced as a baker-mechanic — that is, he helped

(Continued on next page)



make ice cream cones and made the machines run that make them. Also, he did sheet metal and assembly work, and spent several years as a mechanical draftsman.

Slim's home town is Dillon, Montana. He came to Portland in 1945 where he met and soon married Verna, and now has two little Sorensons, Jimmy, age four, and Nancy, age seven.

His hobbies are archery, bowling and model airplane building — one of his latest projects, a nine-foot model with a one-half horsepower gasoline engine, to be equipped with radio control.

BURT EBERLY has been with Tektronix since September 25, 1950, after a seige of repairing and driving motorcycles. He studied radio at Multnomah College and is an amateur radio operator with call letters W7RKC. His past includes two hitches in the service — Vancouver Barracks in 1937 to 1939, and the European theatre in 1944 to 1946. His present includes Burt, Jr., age fourteen years, and Dale, thirteen, who enjoy sharing favorite activities of their energetic Dad, such as bowling and archery. Our red-headed friend is a member of the Flying Feathers, an archery group of Cedar Hills, and enjoys hunting rabbits, deer, bear, etc. Currently he is bowling a 166 average in two leagues, the Tektronix team in the Men's Commercial League, and with Time Finance. Plans are in the offing for him to attend the American Bowling Congress in Seattle this April.

BILL JOHNSON and BURT EBERLY, both of Shop, are temporarily loaned out to Mechanical Engineering to help in sheet metal development work.



You read about Bill and his wife Cory in the August-September issue of Tek Talk.

* * *

Those who deny freedom to others deserve it not for themselves and, under a just God, cannot long retain it.

— Abraham Lincoln.

* * *

(Credit Union Continued from page 3)

The election was held, and resulted in DON CALNON, BYRON BROMS and HAWKIN AU being elected, and DICK SCHMIDT and JANE GRACE being reelected, to the Board of Directors. At a subsequent meeting officers were elected. Don was made President of the Board; Byron, Vice-President; Hawk, Educational Chairman; Dick, Treasurer, and Jane, Secretary. Elected to the Supervisory Committee was DON ELLIS. BILL

WEBBER and BOB LEIPZIG continue to serve on this committee, and in a later meeting, Bob was elected Chairman of the group. The Credit Committee retained RAY GRECO, and members of the Credit Union added LEONARD MASON and MARYELLEN STEVENS by their votes. Ray was later chosen Chairman of the Credit Committee by its members.

(Pictures of other Officials on last page)

CREDIT UNION BOARD OF DIRECTORS



Don Calnon, President



Byron Broms, Vice-president



Hawkin Au, Educ. Chairman



Dick Schmidt, Treasurer



Jane Grace, Secretary

ELECTRONICS EXHIBITS PLANNED

The West Coast Electronics Manufacturers Association held their quarterly board meeting in Los Angeles in January, where discussion centered around the big show held annually in California. JACK MURDOCK tells us this coming show, to be held in the Pan Pacific Auditorium in Los Angeles in August, will be the largest ever put on by the Association. The ice coliseum was chosen primarily because it is the largest place under one roof in L A, rather than for its location which will require chartering buses to transport visitors between the downtown hotels where they will be staying and the show at the coliseum.

Jack was elected a member of the WCEMA Board for a second year. The Association covers the entire Pacific Coast area with Jack representing the electronics manufacturers in all of Oregon and Washington.

Following the WCEMA meeting Jack attended to other business on behalf of both Tektronix and the coming IRE Region Seven Technical Conference. The Conference will be held in Portland this year — the first time in fifteen years — at the Multnomah Hotel on May 5th with electronics exhibits on the 6th and 7th.

Another exhibit will be held in New York in March at the annual IRE CONVENTION.

DOING A GOOD JOB ON KITS

Kits, including all parts to complete a single assembly, are prepared now by experienced Unit Wirers, as pictured below, led by DICK MONTAG.

Space has been cleared at the West end of Assembly II, and the girls have gone into action, bending resistors, cutting them to size, arranging them in kits ready for use in Unit Wiring.

A more efficient system of kit preparation has resulted from the transfer of this activity to Assembly. Machines have been made by JIM MORROW's boys which cut 50 to 100 resistors at one time, previously a hand operation. The girls, familiar with wiring and what is expected in a kit, have reduced kit preparation time and are able to minimize problems.



Doing a good job in the kit preparation department, are from left to right: Barbara Ekstrom, Beverly Oathes, Dick Montag, Vilna Leeto, Monica Van Munster, and Marjory Thorn.

KER-CHOO!!

Nearly everyone has at least one cold a year — some people have as many as four. A three-day cold costs the average person \$25.00. Colds cause 50 — 60% of all absences from work. Colds are unpleasant, annoying, and if not cared for can result in more serious illness.

These facts make the common cold a major concern to each of us as individuals and to all of us as workers.

Here are some more facts which might give us a better understanding of the most common of diseases and help us to control it:

1. Colds are caused by viruses and are transmitted through the air and on food and objects contaminated by the viruses.
2. One good sneeze can send 20,000 infection-laden droplets shooting as far as 12 feet. After half an hour 4,000 of them will still be in the air!
3. Signs of a cold appear one to four days after exposure.
4. You don't actually catch cold by being chilled or wet, but your resistance to the cold bug is lowered.
5. Fatigue or any emotional upset lowers your resistance and makes you more susceptible to colds.
6. Hands may be contaminated with the cold virus, so wash hands thoroughly before eating.

If you do catch cold, stay home in bed, where you will recover more quickly and will avoid spreading the cold to others. And remember to cover your coughs and sneezes.

TRANSISTORS, ANYONE?

Evelyn Dunham and Margaret Johnson of the Bronxville office braved a snowy, 10° F above evening on Tuesday, January 12, to attend a lecture by Mr. Leslie Blasius, Service Engineer for the New York Telephone Company, on "Transistors and their Uses." The affair, sponsored by the local American Legion Post, was held at the Hotel Gramatan, Bronxville, as an "added attraction" following the regular meeting. Mr. Blasius, assisted by a movie technician complete with projector and screen, talked for over an hour in layman's language. He also had several transistorized gadgets on hand — for instance the modern hearing-aid and the walkie-talkie, the latter so small and light-weight compared to the device carried by servicemen during World War II. The girls had a couple of what they hoped would be intelligent questions for Mr. Blasius, but he was surrounded by Legionnaires who wanted to know more about the mighty midget. They were finally rescued by Mr. Charles Fischer, Post Commander (and, incidentally Executive VP of one of the large Westchester County banks), and taken to the lounge for refreshments and "small talk", mostly about Tektronix. The female contingent (believe it or not, they were the only two gals there) left with the happy knowledge that they were the only people there, outside of Mr. Blasius, who were "hep" electronically.

TRANSFERS & PROMOTIONS

HERB RUSTRUM willed the truck to newcomer LEFTY VANDEHEY when he left Stock to settle down in the Panel Craft department in Sellwood.

BUD SIEGEL of Shop was loaned out to Panel Craft for about a month to instruct Herb on a process of punching and bending anodized panels. This activity is being transferred from Shop to Panel Craft.

VIC FRICKE, formerly of Test, has been getting acquainted with the customers' viewpoint as it appears from a front office desk. Eventually it will be Eastward Hi for Vic.

DEANE KIDD of Engineering found it advisable to accept Uncle Sam's invitation to don a uniform. DICK TOLLISEN, formerly a buyer in the Purchasing Department, is now doing Engineering Purchasing.

There have been a number of personnel changes in the Test Department. JOE VISTICA is in the Repair section, after a long period in Component Test. LEMOYNE WARNER came from Stock to take over Component Test as a group leader. VIVIAN CRAWFORD left Assembly to test component parts. Starting in on wire checking in Test are MIKE PARK, formerly of Transformers, and HERB CRAWFORD, ex-inspector in Assembly.

BILL BARNES has been appointed group leader of the Inspection group in Assembly.

BONNETS AND BOOTEES

FRANK KOPRA in Test was presented with a daughter Deborah Ann, weight 8 lbs. 3 oz. on November 19. Jean and Frank also have three boys — Glenn K., age 6, William F., age 4, and Richard L., age 3.

Petite Kathleen, came home to Evelyn and GEORGE EVELSIZER (Test) and sister Barbara, on December 19 — tipping the scales at five pounds.

A second son was born to the JIM PEABODYS (Shipping) on December 3, weighing in at 9 lbs. 2 oz. Larry James has brother Michael to set the pace for him.

It's difficult to believe but BEULAH VEACH in the Accessories Group became a grandmother on December 2 when Deborah Joanne came into her world.

Mary and BILL LEE happily announced the arrival of their daughter Debra Susan on December 21, weight 7 lbs. even.

Their first son is keeping Delores and KEN BEALS awake nights — a perfectly normal healthy boy. Steven Roy arrived on December 30 and weighed 8 lbs. 12 oz.

NEW FACES

FLORENCE BROWN was welcomed back to Assembly in November after 17 months away from it all.

The blue-eyed brunette in Unit Wiring who arrived in November is BETTY JONES — but just

a minute, she's the wife of SID JONES in Transformers.

KERMIT FLECK is the new young man in Drafting, and MARYBELLE RASH the new lovely in Purchasing.

KEN KING has under his wing JUANITA SCHENK, VERN BUTZER and BOB JACKSON who will be set loose in Assembly shortly, and VAUGHN WEIDEL who is destined for the Test Department.

The New Year brought CLARA KNOX back to Assembly.

ON THANKSGIVING DAY....

...PAULINE FANTZ in Assembly II became Mrs. William Mau. The ceremony was performed in Monterey, California.

LACE OVER SATIN....

...enveloped the bride of BILL EWERS in Shipping. Elizabeth Ann and Bill were married on November 21 at St. Matthews in Hillsboro.

NEW YEAR'S EVE....

...was the date of RUBY EVANS' (Ceramics) marriage to Bill Norton at her home at 9:00 p. m. The same evening they left for a weekend on snow-capped Mt. Hood.

A FEW DAYS IN SEATTLE....

...followed the wedding of Doris and DICK EASTON (Final Assembly) on November 28 at the First Christian Church in Forest Grove.

PENDLETON, OREGON....

...is the permanent home of Helen (Walker) and Bill Schuening since their wedding on November 11.

A certain individual in Field Engineering (Front Office) recently negotiated for some made-to-order shirts. The shirtmaker had to call in the patternmaker who had cut the pattern for the new blanket of Rosie, the elephant.

Sandy! Get away from that pastry!

* * *

The RUSH Job

I am a RUSH job,
I belong to no age, for men have always
hurried.
I prod all human endeavor.
Men believe me necessary — but falsely.
I rush today because I was not planned
yesterday.
I demand excessive energy and concentration.
I over-ride obstacles, but at great expense.
I illustrate the old saying, haste makes waste.
My path is strewn with the evils of overtime,
mistakes and disappointments.
Accuracy and quality give way to my speed.
Ruthlessly I rush on.
I am a RUSH job!

— Anonymos
from the Print Shop

SUPERVISORY COMMITTEE



Bob Leipzig, Chairman



Don Ellis



Bill Webber

CREDIT COMMITTEE



Ray Greco, Chairman



Leonard Mason



Maryellen Stevens