

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.

Cont'd on P. 8

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 EMMAR-
SON were married on January 16. Congratu-
lations, 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.

DATE	CAR ITEM	WITHDRAW	DEPOSIT	BAL.
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 ZOUBA 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'rinstance:

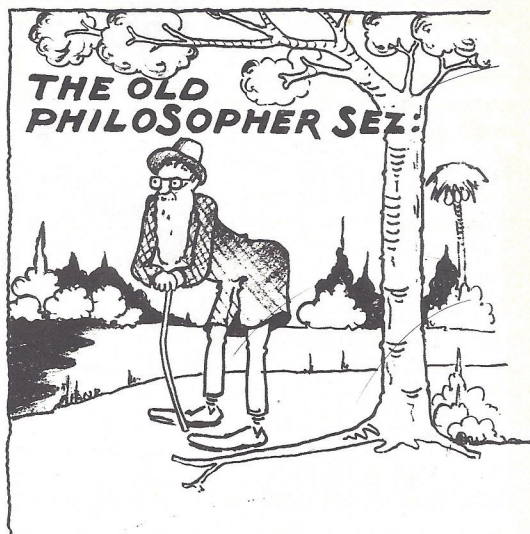
The bicycle fell over because it was just two-tired.

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. Tipperry

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
CECELIA "TINY" DAVIS
IDA MAY NORBY

Component Test
Assembly
Assembly

"SWING SHIFT"

BOB STRUTZ
HELEN THOME

Shop
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 siege 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".

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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, MARJORY 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 POLITS to get a few words in, and no time for BOB POULIN and JIM MORROW also scheduled for interview.