

TEK TALK



VOL. I NO. V

MARCH, 1952



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

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

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

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

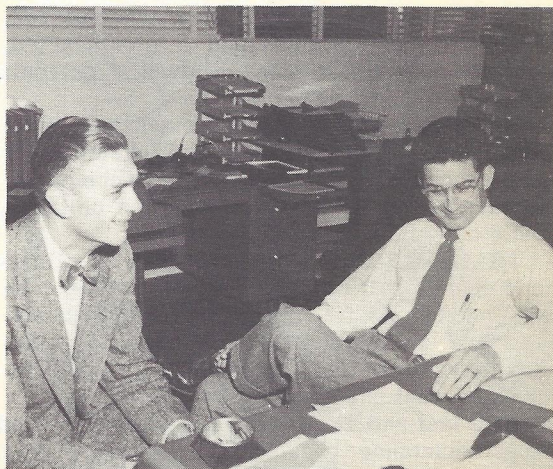
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TEKTRONIX TRADE SHOW PARTICIPATION

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

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

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

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VOL. 1 NO. V

MARCH, 1952

EDITOR Blanche Cook

CONTRIBUTING REPORTERS

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

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

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

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

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

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

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

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

TRANSFORMER DEPARTMENT
CELEBRATES ANNIVERSARY

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

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

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

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

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HOW TO GET TO WORK ON TIME

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

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

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

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

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

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

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

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

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

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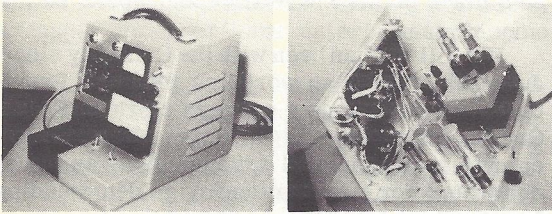
FOR SALE: 1947 Studebaker Champion \$875.00, two door sedan. See CHARLES LIU or call CA. 5742.

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

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

HIGH VOLTAGE TRANSFORMER CHECKER



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

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



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

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

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

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

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

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

ACTIVITIES

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

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

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

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

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

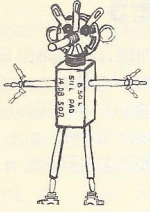
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L to R: **Bill Britton**, instructor, **Helen Thome** and **Mickey Kokich** in the First Aid Class.

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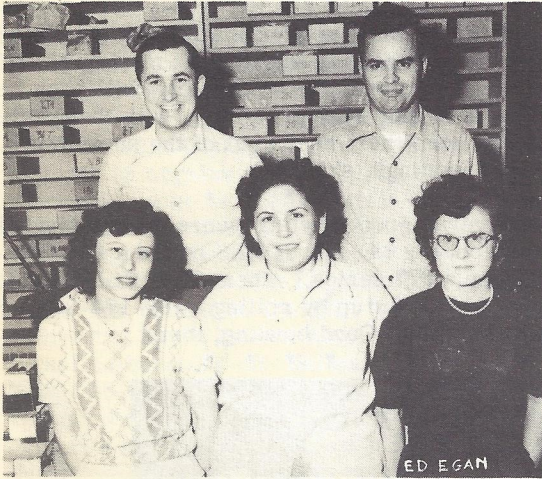
Following is a list of new employees: **DICK MACNEILL**, Test; **GORDON ALLISON**, Test; **WALTER HOLT**, Test; **FRAN EGAN**, Office; **VIVIAN CRAWFORD**, Cables. Vivian has worked for Tektronix before, and we are all happy to welcome her back.



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

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

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



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

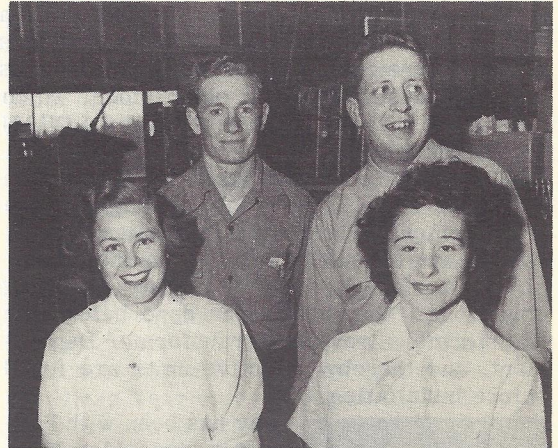
Their leader is JOHN TAYLOR who has worked for the Company nearly four years. He was the leader for the complete assembly before the large expansion and move to the new plant. After hearing, "Why, John", all day at work, John goes home to almost as many, "Why, Daddy", queries from his little four year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

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

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

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

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



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

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

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

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

The following girls are in the Delay Line Group:

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

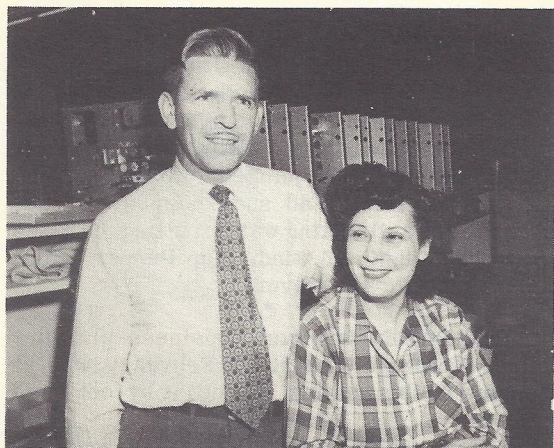
Roosevelt High School last year, and is now working for the Portland School District. Beulah's main interests are keeping her home in "apple pie order" and entertaining friends there.

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

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

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TEKTRONIX TWOSOMES



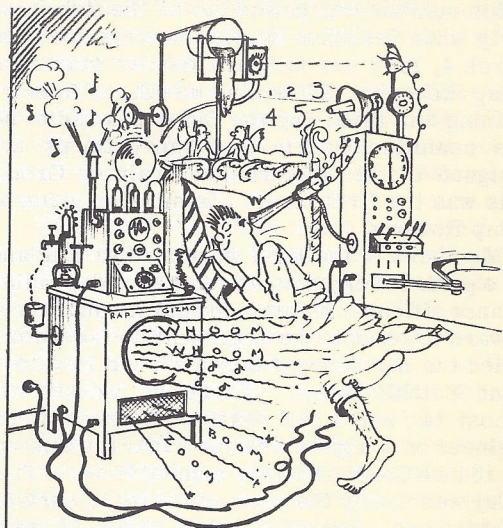
CHUCK and GRACIE GASSER have probably been married longer than any other company-employed couple. They soon will celebrate their sixteenth anniversary.

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

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

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

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



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

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

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

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

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

Cont'd from page 1

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

* * * *
OH, GEORGE!!



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

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



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

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

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

BONNETS AND BOOTEES

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

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

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

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

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CONFUSING ENGLISH

Tommy: "Is there a Christian flea, Papa?"

Papa: "What put that idea in your head?"

T—"The preacher read it today from the Bible, 'The wicked flee, when no man pursueth.'"

P—"Why, Tommy that means the wicked man flees."

T—"Oh! Then there is a wicked woman flea?"

P—"No! It means that the wicked flees—runs away."

T—"Why do they run?"

P—"Who?"

T—"The wicked fleas."

P—"No, no! Don't you see? The wicked man runs away when no man is after him."

T—"Oh! Is there a woman after him?"

P—"Tommy, go to bed!"

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

* * * *

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

A CHASSIS WIRER'S LAMENT

By Edith Groshong

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

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

When the smoke cleared from around the Testing room door

There was one little chassis wirer there no more.

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

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

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

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

CHICKEN OWLS

Dedicated to STEVE HUGHES
By SLIM SORENSON

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

