

## With An Eye To The Future

Ever since your child learned the attention he could get by asking the word 'WHY', he has been conscious of the many things he could learn more about. A child's natural curiosity (troublesome at times to us) should be encouraged and nurtured. Toward this goal schools, industry and science are extending more than ordinary effort to afford our children opportunities to learn and broaden their field of 'curiosity' as they mature.

The Fifth Northwest Science Exposition will be held April 13-20 this year in the Memorial Union, Oregon State College, Corvallis, Oregon. The Exposition is sponsored by the Oregon Museum of Science & Industry to promote interest in the numerous fields of physical, physiographical and biological sciences. All our children from the first grade on up can enter.

Divisions have been designated as: Elementary Divisions, grades 1, 2 & 3; Intermediate Division, grades 4, 5 & 6; Junior Division, 7, 8 & 9; and Senior Division, grades 10, 11 & 12. Wherever your child is in one of these divisions, he will be associating with other youngsters whose imagination, ingenuity and versatility of thought will stimulate his or hers and add new interest to living. The gratification of being chosen to exhibit is its own reward and any other recognition earned is credit for the thought and work well done.

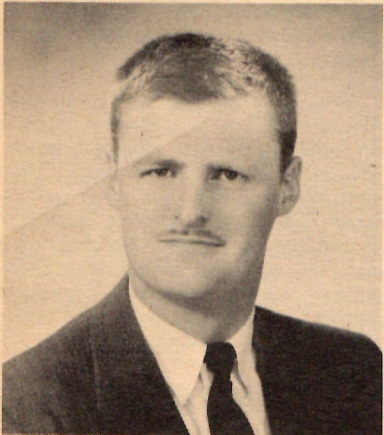
Your child will do the work himself on a project of his own choosing. Guidance and advice may be secured from whatever source is available, but assistance in exhibit construction is not permissible; it must be a child's own work. His is the work and effort judged—his the merit earned. Ours the pride in him.

He (or she) will be judged on (1) Creative ability (originality), 20 pts; (2) Scientific thought, 25 pts; (3) Thoroughness (completeness), 20 pts; (4) Technical skill workmanship, 20 pts; (5) Clarity 10 pts; and (6) Dramatic value, 5 pts. Total—100 points.

Copies of Rules and Regulations can be obtained thru the child's teacher. Mrs. Stella Hodges, Director of the Exposition, has offered to help with any questions you may have which have not been answered in the Rules and Regulations brochure. She may be reached at the The Oregon Museum of Science & Industry, 908 N. E. Hasslo Street, Portland 12, Oregon. Telephone number BE 2-3807.

Have your child find out about this fascinating experience — **DON'T LET HIM MISS THE FUN!** Don't miss, either, the chance to help your youngster keep interested in the world around him. Don't stop their asking — 'WHY'. Notices are posted on the Bulletin Boards.

## Field Foibles



Chuck Gibson

The list of automatic computers designed for different applications continues to grow. Each design group tries to compose a name to distinguish its particular design from others. Since the names are long and unwieldy, the different computers are known by their initials: UNIVAC, ENIAC, SEAC, EDVAC ..... Ad. Inf.

Chuck Gibson of Tektronix, Cleveland, reports that National Advisory Committee for Aeronautics whopped up their own machine, and after searching the alphabet in frustration, came up with OODAC — Our Own Dam' Automatic Computer.

## Tax Time

My tax blank came, and I must confess

To me it's just a confusing mess.

(But I'll figure it out and be glad to pay,

And thank God I live in the U.S.A.)

## Tektronix Field Relations Upheld

Every once in a while we are reminded that building the best oscilloscopes is only part of the job that Tektronix must do. The attitude that resulted in the following letter is really part of our product—built-in, so to speak, in every scope. This buys us more friends than headlines do.



Attention: Service Manager

Gentlemen:

We would like to take this opportunity to commend Mr. Carl Helmer of the Los Angeles office of your company. We are a small organization with a limited amount of test equipment. Therefore, our test equipment is in operation a major amount of the time.

This week our 535 Scope needed a complete overhaul and we called Mr. Helmer and explained our situation to him. The Scope was delivered, repaired and returned to us within a three day period, which to a small organization such as ours, has proved invaluable. We understand that Mr. Helmer was working under a back-

## Tekmen In B.E.R.C.



Bob Fitzgerald, Department Head, Material Control, has replaced Don Ellis, Controller, on the Business Executives' Research Committee. This is a committee started by Committee for Economic Development that grew from an idea that we should enlist the services of outstanding people from our universities and from business to work together to solve the problems of how to obtain and maintain highly productive employment in a free society. It is sponsored jointly by Reed College and Lewis & Clark College.

During the three years Don was a member, two research reports were published on the "Forest Products Industry of Oregon". Don E. was Chairman of the Taxation Subcommittee.

As a result of this work, Don was one of the speakers at the 3rd Biennial Oregon State Tax Conference held on the 29th and 30th of November at Oregon State College, Corvallis. He explained the reasoning which led to the conclusions in the report in a speech entitled, "The Influence of Timber Taxation on Forest Management."

More than 250 attended this conference and heard several presentations by members of the State Tax Commission, the 1955 Legislative Interim Tax Committee, and other informed people.

Bob and the present committee will study the meat packing business in Oregon. He will not only learn more about meat packing, Oregon, and research, but will meet and get to know several other young executives in the Portland area.

log and we appreciate his special consideration in helping us maintain our production. We would also like to point out that he performed an extremely satisfactory job of recalibrating and repairing the equipment as well as cleaning it to the point where it looks off-the-shelf new.

Service of this kind cannot be over emphasized and once again we would like to thank you for your extremely fast and unsurpassed service.

Very truly yours,

Leaming Engineering Inc.

D. W. Baisch

## Today's Thought...

'Small deeds done are better than great deeds planned.'

— Babson's

## Don Ellis Accepts New Appointment



An appointment to serve as member of the Oregon State Board of Census has been extended to and accepted by Don Ellis, Controller from ex-Governor of Oregon, Elmo Smith. Don's aptness with figures and statistics will be of great assistance. Congratulations, Don, they've chosen wisely.

### For what it's Worth

Editor to Don Ellis:

Statistics gathered by 'Direct Mail Advertisers Assoc.' indicates the annual-per-cent-rate in name and address change is: Householders 22, merchants 23, agents 29, advertising executives 39. McGraw Hill's direct mail experience shows that in normal times 497 executives out of every 1,000 move up, out, relocate, die, quit, get transferred or fired each year.

So a good sized mailing list is only accurate about two minutes!

## On The Market

About 18 months ago a group of approximately 150 Tektronix people had a general meeting to discuss a suggestion made by one of our employees with regard to the formation of one or several groups interested in the collective investment of money in various stocks, bonds, and other securities or, as we know it today, an 'investment club'.

Needless to say, the suggestion was given an enthusiastic reception and a resultant outgrowth of that meeting was the formation of the Fortune Hunter's Investment Club, one of several here at Tektronix today.

It might be said of an investment club that the main purpose in mind is to make money and (hopefully) lots of it! This is well and good if such is the group's intention and their good fortune.

However, the main purpose in mind for the members of the FHIC and it may well be said for other clubs at Tektronix and elsewhere) is one of education, with the return on their monetary investment being a secondary benefit.

This education is brought about in two ways (1) via periodic telephone consultation with the groups stock broker through the treasurer-agent coupled with group study and discussion of current 'good buys' on the stock market and (2) the reading and study by each member of various pamphlets and publications dealing with the copious intricacies of stock

(Continued on page 2)

## A Note Of Thanks

From our four boys from Hungary, comes this note:

'Not only in mine, but in the name of my three friends who, unfortunately, don't speak English yet, I want to say thanks to all the employees of Tektronix, Inc., that they have taken us and given us such a good start toward our new life.

Our special thanks to Irv Smith who sacrificed many times to help us find a good job.

We have some difficulty with the language but we hope that we are able to learn it very soon. We promise that we will reciprocate your help and confidence with good work.'

Peter Feher—Sandblasting

Bela Kirchberger—CRT

Joseph Varadi—Model Shop

Paul Zergenyi—Transformers

## Campship Total Higher Last Year

When windis blowing and ice and sno ware piling up outdoors, summer doesn't seem far away when you look over the report from the Campship Project of Community Council, U.F. 309 boys and 292 girls for a total of 601 youngsters, each enjoyed a week of healthy, happy outdoor fun at summer camps in 1956. Names such as B'nai B'rith, Collins, Meehan, Meriwether, Red Shield (for boys) and Namanu, Westwind and Wind Mountain (for girls) soften their faces with treasured memories. Perhaps next summer there will be another week for each of them. We hope so.

The "profits" from the cigarette machines, sale of Russell Stover candies (5% of sales), and other small amounts, are pooled and given to Campship Project to send deserving youngsters to camps. This is part of small contributions used to augment the \$10,000 allocated from United Fund. We have all shared by giving to United Fund last October and this summer, say when you and I are browsing along a creek or loafing at the beach, we will know some youngster is storing up happy memories, building a healthy attitude toward the future. Your summer will be wonderful. That will be enough.

## It's A Small Ounce Of Prevention, True!

Paul Belles has lost four hubcaps from his 1955 Dodge. December 21st he lost the first two, and the 'matching' ones on January 17th.

The suggestion by the police department, some time ago, to put an identification inside each cap sounds better all the time. It doesn't take long nor cost much, and it is one way to help prevent such actions by juveniles or adults who have 'taking' ways.

Have you a suggestion that might help your fellow workers?



# Tek Talk

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Kit Prep. — Vera Sigler	Front Office — Barbara James
Capacitors — Lloyd Morris	— Lois Reser
Ceramics — Rose Peterson	— Ron Norgard

## New Worker's Worries

THE EMPLOYMENT COUNSELOR quotes THE FOREMAN'S LETTER on the troublesome subject of what concerns the new worker as he tries to adjust himself to the maze of new conditions, which seem to envelop him during the first week of a new job. Here's the TEC quote:

Management frequently loses sight of the fact that the probationary period for new employees works both ways. From the company's viewpoint the new employee is on probation. From his point of view, however, it is the company that is on probation; he looks the company over to decide whether or not he wants to work there permanently.

To find out specifically what factors influence the new employee, the Owens-Illinois Glass Company, Toledo, asked a number of newly-hired men and women just what bothered them during the first days of employment. The answers they got related mainly to three things: success on the job, training, and social acceptance.

Those who felt uneasy about their ultimate success on the job said they were worried by such questions as these: "Will I like the job? Will I be successful in the long run?" Others, concerned about the immeriate present, wondered: "How am I doing? What is expected of me? Am I doing my job correctly? Am I fast enough?"

Most people, the company learned, were confident about the quality of their work but concerned about their speed. The new worker hopes that his boss won't be impatient and won't yell at him, and that the other employees won't resent his slowness.

Acceptance by co-workers looms large to new-comers. Some newly hired employees wonder whether people will like them and be "nice" to them. They wonder, too, whether the supervisor will be friendly and fair.

The novice is also likely to be troubled by anxieties connected with learning the job. These are some of the qustions in the mind of the new worker: "Will I be able to learn this mess at all? Are they giving me enough time? Does my instructor know what he's doing? Is he telling me right? Just what is this job? What else might I be asked to do?" Most problems about job instructors, it appeared, are caused by unqualified or unfriendly instructors.

Miscellaneous worries cited by new comers included confusion as to supervision ("Who is this fellow? Do I have to take orders from him?"); confusion as to procedures such as punching a time card; and the fear of being left all alone to sink or swim.

## GUEST EDITORIALS NEW FEATURE

Guest Editorials are always welcomed by companies (and their house journal editors), both because of the variety of subjects covered and the thoughtful opinions expressed.

## Smog Anyone?

Cigarette smoke plugs up airplanes—actually tightens the seal of pressurized cabins. When a new air transport was delivered, according to Flight Safety Foundation, a test showed a leakage through the pressurized shell of 190 cubic feet a minute. However, with the passage of time and millions of cubic feet of smoke laden air, the tobacco tars low-

ered the leakage to 90 cubic feet a minute. The tars also fouled up the orifices that meter out the exhaust air, so the transport's operators now are experimenting with filters on cabin pressure regulators.

It has long been known that tobacco tars have affected flying instruments—even blind-flying instruments—and airplane manufacturers are constantly designing to overcome smoke-tar accumulations.

Cigarette anyone?

## Investment Returns Very Good--So Far!(Cont. from pg.1)

market investment. Occasional personal visits by the group stock brokerage representative are also very interesting, enlightening and enjoyable.

Due to the fact that the group has a regular meeting only once a month and since there is bound to be a limiting factor as to the amount of time that each member can devote to extra-curricular study, the educational process will by necessity be spread over a period of months or, to be more nearly correct, years. This is to be expected though since by the nature of it, the art of sensible investment simply cannot be learned 'overnight'.

Meantime, as their 'education' progresses and as the world continues to undergo periodic times of crisis, Fortune Hunters members have become thoroughly engrossed in watch-

ing the various stock issues jockey back and forth and move, specifically those issues in which they own shares. They have already learned that there are many things that affect the stock market and have found it is fun as well as educational trying to see if, after study, investigation, and discussion they have made the right decisions concerning the stock they have purchased or sold.

Incidentally, as the market stands at the present time, the net return on the group's various investments is approximately 8% so a p p a r e n t l y their decisions have been good ones. It is to be hoped, of course, that this will always be the case.

But come what may, through thick or thin, you will find the Fortune Hunter's Investment Club a very sociable, enthusiastic and e a g e r

group of people determined to learn something about this business of investing and enjoying themselves immensely while so doing.

If you've had a yen to learn more about this fascinating field but have not known just how to go about it perhaps an investment club is your answer. If you're interested in the Fortune Hunter Investment Club go and check with any of the following officers; they'll be glad to answer any questions you may have regarding membership. You are also welcome to visit our monthly meeting held the 2nd Tuesday of each month.

President, Helen Clark, Kit Prep.

Vice-President, Walter Wie

Treasurer-Agent, Ed Kiepk

Secretary, Wilma Stapleton

## Small Parts Section Has Growing Pains



First row, from left—Virginia Olson, Mary Corrieri, Aino Oluri, Twylah Stewart. Second row, from left—Dorothy Mark, Dorothy Dunstan, Dorothy Yoss, Dee Blohm, Selma Bergman, Margaret Berndt. Third row, Emma Lancot, Martha Hansen, Jean Workman.

One of the first things that one notices upon viewing a cathode-ray tube is the intricate gun inserted in the slender glass neck. There are 24 parts per gun, namely X-plates, two Y-plates, two getters, one isolation shield, one second-anode, one anode, one grid cup, one focus ring, two vertical deflection shields, two X-plate shields, seven ribbon support wires, one cathode strap and one stem.

All metal parts going into the gun must first be degreased in trichlor-ethylene. Parts are then shaped and support wires welded on. The parts are electropolished and then handled with extreme care, being "never touched by human hands." They are also very carefully checked. Some dimensions must be correct within .0010 of an inch. An accurate count is kept on each small part.

It amazes one to find that six very busy people are capable of supplying the 24 parts for the one hundred and twenty-five to one hundred and fifty guns which are completed each day when many of these individual parts require ten and twelve steps in preparation.

Their work has been made easier and efficiency has been increased by intricate machines designed and built by our own model shop. Operations once done by hand but now by machine include bending the support wires for the deflection plates, bending the stainless steel wire leads and spading the stud pins. Our ingenious model shop also made dies that cut and shape the deflection plates.

The old timers in this group are Emma Lancot and Martha Hanson. Emma started in small parts section in July, 1954. She lives with her husband Leonard, a Beaverton postman, in Cedar Hills. She plays golf by summer and bowls by winter. The Lancots practice on their latest acquisition, an electric organ, when time permits.

Martha Hanson came to small parts a month later. Forest Grove is

her home, along with three children, Don, 16, and her twins Richard and Rita who are thirteen. She claims sewing as her hobby but a carpentering or painting task about her home leaves her undaunted.

When production was stepped up this spring, Dorothy Yoss, was recruited. She is married and has a son Donald who is in the marines and a daughter, Belva Ann, a senior at Hillsboro high school.

Four months later, in July, Denise Blohm joined the small parts force. Bowling and the raising of African violets claim her interest second only to daughter, Linda Kay, who is 11.

Clara Knox, a long time CRTer is a new member of this section. Outside of work she finds time for ceramics and bowling in addition to working with the PTA and helping remodel their attractive Cherry Grove home. She has six children.

December, 1955 was a momentous month for Selma Bergman as that was when she became a citizen of the United States and joined the Tektronix family. Estonia was her homeland, having left there in 1944 and arriving in the States in 1950. She resides with her husband and her two grown children in Portland.

Mary Ann Corrieri working with this department part of the time, also bases the completed tube. The 'base' is the black cap at the small end of the tube through which the leads pass from the gun. Mary also checks to see if the cathodes and heaters are functioning.

She has been at Tektronix going on eight months, has her home in Hillsboro, and beams every time she mentions Kathleen, her eleven year old daughter. Mary's first five years were spent in Italy, where her family still maintain a home. That far-away look that replaces the normal sparkle in her eyes, is just another idea about that vacation she hopes to take back to old haunts. ITALY! Just the name makes all of us think

of warm sunshine, lovely old cities with their beautiful architecture, and so many people, warm and friendly as Mary.

Recently Dorothy Dunstan of Portland joined this force. Her husband, Lyle, an electrical engineer, and sons Bobby 9, Donny 7½, and Terry 5, make up the Dunstan household. Coming from Washington, D.C. four years ago, they like Oregon very much, they report, and are spending their leisure time building a home for their family.

The third 'Dee' in this group, is Dorothy Mark, who has been with us a little over a month. She makes her home in Aloha with her children Stephen 6, and Connie 3, and husband Dale W., who is the Minister of the Aloha-Huber Church of God. If time permits after her church activities, reading is her favorite pasttime.

This group is very dependent on a duo who have charge of the electro-polishing of most of the small parts. Electro-polishing is done in an acid solution which brightens the metal and removes all foreign matter.

Aino Oluri, a very vivacious Estonian who came to Tek about a year ago, claims a very great liking for water sports and dancing. Her latest enthusiasm is for her little God-child, Tina, daughter of Sylvia and Helmut Kalmann. Helmut is in receiving and Sylvia formerly worked in Mechanical Assembly.

Leaving husband, Walter, to tend the mink ranch in Vernonia, is Jean Workman. She has always been active and busy with the mink. They pelt between 1300 and 1500 pelts a year. When their children, Rory Lee 9, and Patrick 7, aren't keeping them actively engaged, you'll find them square dancing. Camping is a family activity eagerly awaited.

## Aren't We Gluttons

If all of the sandwiches that were eaten at Tek during a two week period were layed end to end the line of sandwiches would almost measure almost exactly one hundred miles. (Providing, of course, that there were 1327 people at Tek, and that 10% ate no sandwiches while 10% ate 3 sandwiches and 20% ate 2 sandwiches while the remaining people ate only one sandwich and that the people ate sandwiches only five days a week and that the average length of a sandwich was 30.6069213325789 77272727272727.....feet.)

## Now Available!!!

The CRT Cookbook was certainly welcomed with enthusiasm by many this month. It has over 40 pages of favorite recipes of CRT cooks—male and female! They range from soup to dessert and include many foreign dishes. A few copies are still available for one dollar from Emma Lancot, Ext.352.

(This was not)....A paid advertisement.

(I just couldn't get the money out of them—The Ed.)



# More Groups Share Christmas With Others

KIT PREP and WIRE department did something new this past Christmas. They collected gifts for patients in mental hospitals.

They found it is possible to adopt one or more wards, and obtain names and sizes of persons in them. Then the gifts can be more personal. The groups can also have Christmas parties for their adopted ward. Arrangements must be made at the State Hospital in Salem, however, and Kit Prep started too late to do this.

Instead, they had two boxes—one for men and one for women. Gifts ranged from toilet articles and clothing to cigarettes and tobacco. Cake and frosting mixes were put in, too. The patients have access to little kitchens where they can bake cakes, muffins, etc., from prepared mixes. They can make coffee and tea, also. This gives a couple of patients the fun of baking and all the ward has the fun of eating the results.

Everyone felt this was very worthwhile project, as many of the patients are neglected or simply forgotten. It would be fun to do more another year such as give a party, etc., but time was too short this year.

## STOCK-AID NEWS

The stock department's adopted family consists of three girls, ages nine, five and one year, their mother and their father, who has been in the hospital for some time. The gifts for this family started in November and by the 21st of December, we had about \$50 in cash and several boxes of clothing and canned goods. This is the second year that we have helped this family, and the participation was 100%, as before.

Bill Love and I went to the Safeway store and purchased \$50 worth of groceries and then proceeded to their home. I think the happiest moment was when the mother answered the door and saw that her family had been remembered once again.

The group decorated a Christmas tree that was sent along with the Christmas packages and boxes. The look on those little girl's faces could have broken the hearts of just about anyone. They simply jumped with joy when they saw everything.

Our plans for next year are just the same—only we will try to do more. As far as stockroom goes, we can't do too much to help such families in need. There are times when nothing goes as we plan and dream it will, then friendly help is needed. We enjoy sharing and gain by it ourselves.

## SWING SHIFT—Assem. II Report on Christmas Families

Assembly II Swing Shift, had two Christmas families this year; Mrs. Maude Steele and seven children, and Mrs. Opal Mack and nine children. Food for the Christmas dinner, toys, and gifts were delivered Monday December 24 bringing to a climax all the preparations that started weeks before Christmas.

The spirit of giving that goes with Christmas was the basis for adopting Christmas families and we in Assembly II felt that sharing with others was a wonderful way to make our own Christmas a happier one.

The most enjoyable moments to all of us were those when we gave not just material things, but our time in visiting the families, in sorting and wrapping the gifts, and in delivering them to the families. Some gave a little, others gave a lot of their time and those who gave the most were probably the happiest knowing that they were doing something that made others happy.

The most humorous things that

## FINAL

The final department had a real nice letter from our adopted family. We appreciated it so much, we thought everyone should read it. "Dear members of Final department,

I want to thank you from the bottom of my heart for the warmest and most wonderful Christmas my children and myself ever spent. I'm so grateful for the things you gave us and the dinner was delicious. I feel so humble and I thanked God for people like you sharing your Christmas with my family and I.

Thank you again for your generosity.

Mrs. Betty La Fontaine"

## SCREW CREW'S NEWS

In preparing for our Christmas family, everyone went all out to do their best. There was 100% cooperation! It was exciting and surprising each day, finding out what was brought in and finding the right person for it. A certificate was given so each one could have a pair of shoes.

We all think it was handled like clock-work, thanks to Minnie Berger, Lois Aulger, Arlene Swanson and Betty Hull, who delivered everything.

Below is a letter received by Minnie from the father of the family. He has been a patient in the Providence Hospital for the past several months. 'My dear friends,

In writing this letter, I am reminded of a part of a saying that I once heard. I quote, 'And across the Mysterious Darkness comes a fairy boat, laden with a cargo of Golden Dreams.'

When you ladies came to our home, you certainly relieved a worried mother of a problem that was hard to compete with.

As for the children, they were really excited about the fine gifts from all of you.

By your relieving my wife of all those worries and making our children so happy, you have no idea how much easier you have made my stay here in the hospital.

I wish to take this time to say thanks, and may God Bless You All. So wishing you all a Happy New Year, I hope to remain your friend and A Booster.

Mr. T. K. Johnson,

Multnomah County Hosp., Rm 108  
Portland, Oregon

## CABLEGRAMS

Now that the last bit of tinsel has been stored away for another year and we are back to normal, we can take stock of what joy we brought others at Christmas time.

We in cables had a most enjoyable time getting our baskets ready for our two families. We know why we were feeling so good about it—because we gave from our hearts.

Our one family consisted of a mother and five children. The father passed away the day before Thanksgiving, so we are sure what we did for these folks was most appreciated. When our cabler, Betty Meek, delivered the boxes of food and a gift for each one, the mother began to cry. Of course Betty shed a few, too. The small ones kept after their mother to take them to the church program that evening, but their mother kept saying they just couldn't go (no new things to wear). Well then, Betty told them to open their packages, knowing each one had something new. Then these kiddies really knew why mom had cried.

Our other family was a mother and twins. Their daddy is in the hospital in Salem. Their first welfare check had just arrived and after the rent, lights, fuel, etc., were paid, they had exactly \$6.00 to last over Christmas, until January 2 or 3rd. You might know her joy when our Santa, Pat Hart, arrived. The first thing she used was the Tide, as she was completely out of soap.

By having this extra food, it made it possible for the father to come home for Christmas Day.

We may help this mother later when she has her baby (or babies). The doctor has told her she may have twins again.

I think you all know we support a Korean child 'Bok Mi'. We do this through the Foster Parents Plan. We have letters, colored pictures, etc. from her, which makes us feel very close to her. And we feel we are really helping some less fortunate than ourselves. She and her mother and three sisters and brothers live in a tent. She says it isn't bad, only once when in a rain storm the tent blew down.

We surely do plan to help another family this year, as we were never so happy as when we were working together to help someone else.

## C.U. Officers Elected

The Annual Meeting of our Credit Union was held on Sunday, January 20, 1957, at the Beaverton High Cafeteria. About 70 members and their families and guests braved the ice and snow to attend this function. Highlight of the afternoon was the declaration of dividends to be paid for the year 1956. The members approved the Board of Directors recommendation that a 6% dividend be declared. Other business included year-end reports by President Jim Boyle, Treasurer Dick Schmidt, Credit-Committee Chairman Emil Evans, and Supervisory-Committee Chairman Bob Fitzgerald. Newly elected to the Board of Directors are Cal Bjerke, Gene Cavanaugh, Emil Evans, and Dick Montag. Duncan Bergeron is the new Credit-Committee member and Hawkin Au and Scott Foster are the new members to the Supervisory Committee.

Kermit Fleck was the Master of Ceremonies for the afternoon. Entertainment was supplied by the Pitch-Pipers Quartet, consisting of Hallie Todd, Lois Kane, Maxine Cedar-green, and Hazel Hundley. Vern Bartlett, Don Pratt, with their sound-effects man Guy Borlaug, performed a one-act skit. Ted Goodfellow and daughter, entertained the members with several selections played on their tin whistles.

Door prizes donated by the Cedar Hills Shopping Center Merchants Association were given away. Drawing for the Credit Union savings contest was also held.

## FINAL FOLLIES

John Neal had a short vacation over Christmas and New Years. He drove down to Bakersfield, California, and saw the Rose Parade at Pasadena. John makes better time than most tho, because he doesn't have to pass cars—he goes under them with his Met.

Dave Anderson also had a short vacation in the reportedly 80° temperatures of Southern California. He saw the Rose Bowl game and also the East West game.

Cory and Bill Johnson are the proud owners of a new 1957 Chev Station Wagon. They like it very much, except Bill has to change all his mobile gear (W7QF) from his old car to this one. What a job!

## CAPACITOR CAPERS

Capacitor department had a less fortunate family of eleven to provide with Christmas cheer. The father had been unemployed since last July due to an accident.

They were quite overwhelmed by our thoughtfulness and were surprised at the amounts of food and clothing they received. The whole project went off smoothly. Everyone in the department was pleased that the family enjoyed a very Merry Christmas.

The family expressed their appreciation by saying they hoped they might help someone someday.

Harriet Anderson spent the Holidays with her family visiting her daughter in Sunny California.

We welcome back Wilma Webb after her leave of absence for the birth of her little son.

Capacitors is glad to see June Wooldridge back after her 4 weeks absence because of illness.

## SHARPSHOOTERS

I shot a wire into the air,  
It fell to earth, I knew not where.  
Be there a gal with soul so dead,  
'I wonder where that wire did go?  
Who never to herself has said:  
'Could have punctured friend or foe!

—Lurene Lange, UW

Thanks, Lurene, we appreciate these poems — Ed.

## Ted Goodfellow's Ceramic Article Cont.

Continued from November issue.

It may be interesting to note that the strips, even though glazed, are not spaced on the batts but are placed tightly together. This is a great saving both in labor and kiln space.

Very seldom are a pair of strips taken out of the kiln stuck together. The reason for this is that the shrinkage of the body takes place sufficiently in advance of the melting of the glaze to create a safe distance between any two strips. A batt wash composed of alumina hydrate, ball clay and kaolin is used.

The firing cycle is 24 hours, approximately 10 hours to reach top temperature, one hour to soak and the remaining time to cool.

In order to get the kilns to a comfortable temperature for the workers to load and unload each morning, the mechanical engineers at Tektronix devised a unit which lifts the kiln lids very gradually starting at an early hour each morning. Each unit consists of a time clock which can be set to start the mechanism at any predetermined time, and an exceedingly low-gear driving mechanism. This mechanism turns a small drum upon which the cable is wound which lifts the lid. While it is an easy matter to vary the rate of rise it has been found that about five inches per hour starting at about 3:00 a. m. is very satisfactory.

From the beginning Global type electric kilns of my own design built at Tektronix have been used. The transformer department designed and built tapped transformer units for close control and uniform heat distribution.



Hazel Davis, now Mrs. Harry B. Millette of Yreka, California, chose this unusual way to announce her marriage on December 8th. She had the above cake delivered to the coil department. She says they are looking forward to seeing their friends any time they can drop by. They will be managing Harry's motel, the Siskiyou Terrace Motel, 729 S. Broadway, Yreka, Calif. Best Wishes to you both!

## LAMENT AND RESOLUTION

I thought I'd lose a little weight.  
(It couldn't be the things I ate.)  
It must be something in my glands,  
Not something always in my hands.  
'I eat so little', was my cry,  
'If I don't eat, perhaps I'll die.  
But I'll be noble, I'll starve myself,  
Perhaps I'll lose my pod and shelf.'  
I'll exercise like mad', I said.  
But that was an excuse that led  
To eating food. I could not shed  
A single extra ounce—how s'd!  
At last I've come to this conclusion,  
If I'm to lose my mid-extrusion,  
I'll simply have to learn the art  
Of under-eating from the start.  
I'd love to be all slim and sleek,  
And be admired by glance and peak,  
So I've resolved to control myself.  
I'll soon be slim as any sylph.  
I'll soon be proud that I had the  
strength,

The will power, fortitude at length  
To shape myself, as I'd like another  
To see me, 36-26-36, Oh! Brother!

—Slim

## Notches Metalized

After completion of the firing the notches are metalized with a silver paste consisting of 65% silver, fluxes, vehicle and binder. This is fired on at approximately 1400°F.

In applying a silver paste a shaft is used upon which are mounted a number of short lengths of music wire, all properly spaced and bent identically, forming a rake which is mounted in such a manner as to dip into a small pan of silver paste when the shaft is rotated slightly. The wires pick up the proper amount of silver and this is applied uniformly as the ceramic strip is gently pushed against them. Again the pieces are placed directly on the kiln batts as they are silvered. They are then ready for firing in wire wound kilns.

The silver must be protected against oxidation soon after firing on the porcelain. We do this by dipping the strips into a solder pot and shaking off the surplus solder.

Besides protecting the silver this tin coat makes a good surface for subsequent soldering operations. The solder is composed of 65% lead, 32% tin and 3% silver.

A pot covering and a rosin flux are used in conjunction with this operation. These must be cleaned off after trimming and this is accomplished by running the pieces through five baths of solvent known as Socal No. 2.

Upon removing the strips from the final bath they are placed upside down in grooved boards. This makes it easy to cement the studs into the previously drilled holes. This operation is done by hand, making use of an exceptionally strong thermal setting epoxy cement mixed with a small amount of 120-mesh silica. We bake the cement at 200°F. for five hours, after which we put spacing nuts on the studs, the concluding operation.



# THE

## SCIMAREC

'In the spring a young man's fancy turns lightly to thoughts of love'. Well—spring must have come a little early this year, as Dan Cupid has been busy with his little arrows.

Barbara Ruhlin became the bride of Dewayne Halverson on December 15th. Mr. Halverson is majoring in optometry at Pacific University, in Forest Grove.

Donna Mae Rohrer and a/1c Bob Richardson took their marriage vows January 26th. Mr. Richardson has two more years to serve in the Air Force.

We wish these two couples long and happy married lives.

Open house was the order of the day, or rather evening, as Peggy and Hank Jones entertained their friends Saturday, December 29th. To phrase an old saying, 'A good time was had by all!'

Nadine Classen and her family spent two weeks in sunny California visiting Nadine's mother at Hayward. They journeyed further south and took in the Rose Bowl game. Sorry OSC didn't win, but it must have been a thrill anyway.

Grace Hitchcock spent a week just loafing around the house. All right Grace, so you cleaned house.

We offer our congratulations and cooperation to Betty Peterson our new group representative; and to Monttie Wallis our outgoing group representative, we say, 'thank you for a job well done!'

## FINAL FOLLIES



Clyde 'Lucky' Faber wants it to be known that he takes his work very seriously. There is no fooling around when he is working, and he backs up his sincere belief that every scope must go out of Tektronix' door in perfect (spelled p-e-r-f-e-c-t) working order. He does everything about

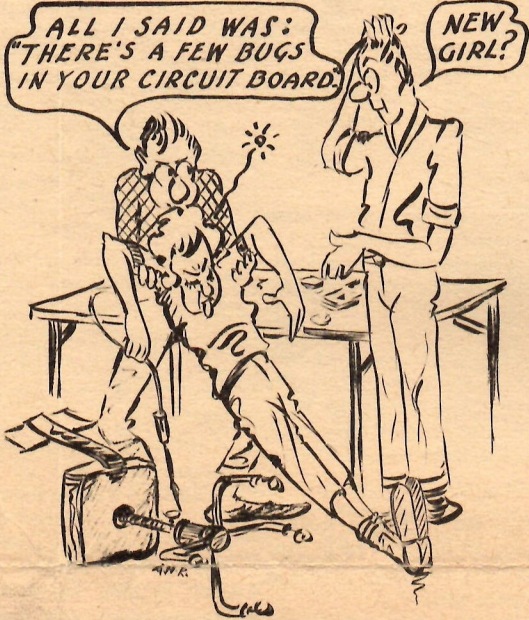
his job with this thought in mind—down to the finest detail. Don Ellis noted Clyde had even gotten the frames on his glasses changed (to further this ending, no doubt).

It seems that lately there has been a shortage of parts in finals. The other day, Bob (now known as Feather Fingers) Hart was intercepted borrowing a support rod from a fellow bench-buddy. Really caught in the act, as you say. About that time, Clyde 'Lucky' Faber made like Santa Claus at Christmas, spreading his (joy and) supply of parts, and production is back to norm again. But the boys miss the fun that went along with the predicament.



Signs of the Times'—Holiday fun, of course—Don Pratt's halo had disappeared (of course) but the 'mistletoe' remained. To aid the bashful, Don was 'pinned' with a note reading—"Well, don't just stand there, DO SOMETHING!" It brought results, too.

# LET'S GET ACQUAINTED!



The above cartoon was done by Margaret Andrews, coil department. Now in the dark of winter we thought Burt might enjoy being reminded of that wonderful vacation he had. Also point out to him and, in fact, all of us, that spring isn't far away and we'd best be thinking of our vacation plans. Where did you say you got those big ones, Burt?.....

## WIRE TERRIERS

Marie Weisenback was elected reporter with Alice Dahl as assistant in Assembly I Unit Wiring swing shift. My goodness, it takes a lot of words to describe an area now. We keep growing so fast and make so many changes here and there.

As to reporting things, No. 1—Cathy Egger is thanked for all the nice things she wrote about us. We appreciate all the work and thought she gave to reporting.

Reporting will be handled much the same way, and anything in the way of news items will be much appreciated.

Our 'DATEBOOK' is coming along fine. Names, addresses, phone numbers, and birthdates are kept up to date. Once a month we'll have a birthday party with cake and all the

trimmings. Gifts have been kept to a few personal ones from close friends (everyone seems happy with this). Baby and Bridal showers and Farewell parties will be held as usual.

## Things you notice 'all of a sudden'—



Eve Fitzgerald's initials are elf. Suits her, too.

# BIN

## SHORT CIRCUITS Assembly II Swing

A farewell party was held Friday, December 28 for Fran Rinehart who left on a leave of absence. Have a nice rest, and hurry back Fran!

Jeneva Kent took the hard way to get a longer holiday vacation. She had her tonsils removed and had such a wonderful rest that she carted her two little girls to the hospital and had their tonsils removed! We are glad that all three are well now and Jeneva, we are sorry that you had to go to the Florist to pick up your flowers.

Next Christmas there will be no playing with the children's toys before they are wrapped or afterward. OK Bill and Wayne? Maybe we can get you some blocks to play with.

George Bernert and his wife Marilyn are the proud parents of a baby girl born Dec. 18. Her name is Teresa Louise and she weighed 6 lbs 14½ ounces. You'll have to work now George!

June Meyers had a baby girl December 19 weighing 6 lbs 8 ounces. June named her Billie Jean. We hope to see June back at work in a few months now. We aren't mad at you because it's a girl June.

Velma Menglekoch had a wonderful Christmas present this year. Her son Duane Hague came home on leave from the Navy. He is stationed at San Diego, California.

Cathy Eggers went to California over Christmas and came back only to get pneumonia. She recovered from that and was ready to come back to work until their garage suddenly caught fire during the night. The fire spread to part of the house and while Cathy's husband was doing what he could to keep the fire from spreading, Cathy tried to telephone the fire department but their phone was out of order. She went to the neighbors to use their phone but on the way she fell and chipped the bone on her ankle and tore several ligaments. Everything is under control now and Cathy is fine.

Thelma Salvadore made a second trip to the hospital and we all wish her a speedy recovery. She was at Good Samaritan Hospital and would welcome visitors, now.

Helen Schuening has joined us again from day shift. Maxine Calhoun and Lala Smock are back in full swing after being sick. Glad to have all of you back.

Unit wiring must be paying off! Bill Hardin has a new Thunderbird, Maryln Wolever has a new Ford, and Bill Stout now has a 54 Olds.

That's about all this time from the bleary eyed owls that really like working nights.

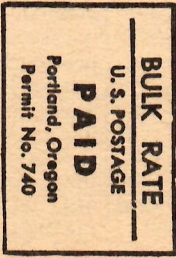
## STOCK-AID NEWS

### Every One to His Own Taste



Don (Scotty) Wilson was surely surprised when lunch time came the other day. He opened his lunch bucket to find he had an extra sandwich. He was certain his wife hadn't put in more than the usual. Upon investigation he found—ugh! a mouse sandwich! It turned out to be a rubber mouse between two slices of bread. But we nearly died laughing at the look on his face.

Anna Mary Bruner  
3775 University Blvd.  
Houston, Texas



DRIVE  
CAREFULLY  
WINTER  
MAY NOT  
BE OVER  
YET  
SAFETY  
FIRST