

Overseas Trade Shows Growth In 31 Nations

Overseas trade operations in Tektronix show, as the result of the year's end statement, a 100% increase over 1953 and exports that now amount to 8% of Tektronix's total business volume.

Tektronix's first break into the export market started in 1948 with Erik Ferner as the distributor in Stockholm, Sweden. Since that time Tek's instruments have now become generally accepted with customers in 31 overseas countries and distributors in 17 different nations.

Under Dal's department, Byron Broms and his two busy secretaries Em Langdon and Orpha Enmark take care of the export business. The paper work due to trade barriers, dollar exchange and customers involves eleven different operations to create a satisfied customer.

Operation: Red Tape

In answer to an inquiry or a request a pro-forma invoice is made up which gives a prospective customer the price, inland and ocean transportation, insurance and the entire cost delivered to his country. To this the customer must add his taxes and duties. The customer must then get an import license and his government's permission for the necessary amount of dollars. Tektronix upon receiving the order must then apply to the department of foreign commerce for an export license and then upon receiving the customer's letter of credit, our instruments are practically on their way.

The remaining details are that in most of the instruments shipped abroad or roughly 75% must be re-wired for a 220 volt operation. Then comes the reservation for transportation, proper insurance and shipping. At the end of this time and all red tape completed, payment is made by presenting the letter of credit at the bank.

Due to the involved paper work,
(Continued on page 2)



Winners of the Tektronix bowling league for the first half of the bowling season is "Jarring Jean Jackman's" Futuramix team. Shown here with their practical trophy-ash trays are: Left to right, Maxine Calvert, Jean Jackman, Pius Scheer, Charlene Good-

man, and Barbara Eckstrom. These trophy's were presented at a bowling banquet held at the Country Kitchen on January 21, at which a good time was had by all.

Tektronix Credit Union Completes Third Year Dividends, Interest Refunds Go With Growth

The Tektronix Federal Credit Union has completed its third year of operation with an encouraging record of expansion and increased services for the year. Our business office has been moved to a new location and equipped with our own furniture.

More members having taken advantage of the credit-union way to save during the year showed total savings at a new high of almost \$140,000 and with the growth in membership we now number 400.

Some concern has been shown over the fact that the board of directors declared an interest refund of 5% of interest paid in by the borrower. Surprisingly, this concern

has been shown by both borrower and shareholder. The borrower is a very important element to the success of the credit union; so is the shareholder. If it weren't for the borrowers, there wouldn't be any income available for dividends; if it weren't for the shareholders, funds would not be available for the borrowers.

The board of directors feel the payment of an interest refund to the borrower permits him to benefit more equally with the shareholders in more profitable years. An interest refund should increase his interest in the financial success of the credit union. This past year was a profitable year and the board felt

the borrower should have a part of it—the borrower contributed tremendously to this success. A refund in previous years has been prevented by law but this past year Congress passed a law permitting an interest refund.

The interest refund of 5% of interest paid in represented a return to the borrowers of approximately \$500; the dividend of 4.8% represented a return to the shareholders of approximately \$4,000. The difference in these two figures shows what a small percentage that the interest refund takes in undivided profits. Any questions regarding this subject will be gladly answered by the board of directors.

Panel Meeting Gives Employees Income Tax Data

A panel meeting on "How to Reduce Your Income Tax" was held in assembly 3 on January 17. Federal Income Tax for individuals was explained by Warren Clodfelter aided by Don Ellis while Les Stevens and Bob Leipzig answered some questions about Oregon tax. Warren is a CPA and attorney from Seattle who serves Tektronix as a tax consultant, visiting us once a month.

Last August you heard such terms as "baby sitter deduction," dividend exclusion" and retirement income credit," when Congress passed the Internal Revenue code of 1954.

Now these terms will have real meaning as you file your income tax return under the new tax law, containing thousands of changes in its 929 pages.

Some taxpayers may find April 15th—the new deadline for most individuals—a worse shock than March 15th used to be. Most of us, fortunately, will find the new tax a little easier. For one thing, a reduction of about 10% in rates took effect in January, 1954, and has been reflected in the amount of tax withheld from pay since then.

But the difference is not just in the rates. The new tax law—passed after the rates were reduced—includes many special adjustments aimed at helping people who particularly need relief. You'll get some of these benefits almost automatically as you fill in your return. Others must be dug out of the fine print. That's why it is particularly important this year not to wait till the last minute, but to prepare your tax returns early.

That "Baby Sitter" Deduction

This deduction is permitted only for actual expenses up to \$600 for the care of dependents while a mother, widower, divorced or legally separated person is gainfully employed.

(Continued on page 2)

Credit Union's Main Committee



Seated in front is the credit committee chairmaned by Leonard Mason with Maryellen Stevens as secretary and member, Emil Evans. Standing is the supervisory committee who are; Bob Fitzgerald, left; Don Ellis, chairman, center; and Bob Leipzig.

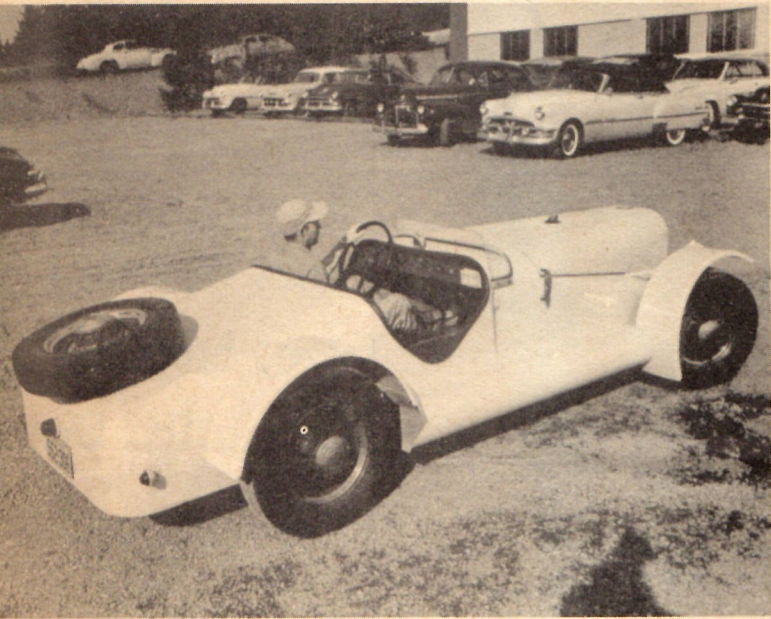
Credit Union's Board of Directors-1955



On the board of directors, back row, Jim Boyle, vice-president; Hawkin Au, president; Dick Schmidt, treasurer; and seated left, Alice Wynn, clerk; edu-

cational committee, Al Foleen, seated left; and on the delinquent accounts committee, Leon Prentice and Jane Fitzgerald as director.

Howard Gault Wins Award

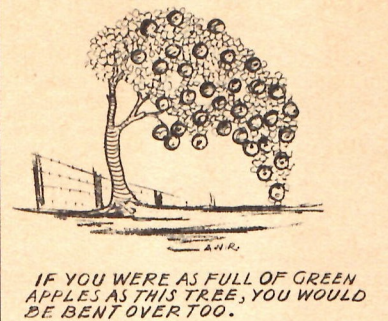


At the Rod and Custom Car Show on December 11th and 12th in the Portland Armory, Howard Gault again won recognition with his sports car. He was awarded a special trophy engraved "Most Iriginal". Judges for the event were the famous race drivers, De Palina and Ray Elliot.

'Eddie' Continues to Spin from page 3

tric field is applied. Recent research has revealed that the secret of magnetism in iron lies in the next inner electronic shell of the atom, where five of the six electrons all spin the same way! All the others in the atom are paired off with opposed spins. If a magnetic field is applied to the iron, the atom is forced to turn so that these four un-opposed spins all point in the same direction; and presto! the iron is magnetized. Reverse the applied field, and the atom does a flip-flop. Let's see how Eddie might behave in such a situation. He's part of the iron core of a power transformer in a Tektronix oscilloscope, and the power has just been turned on, shooting "alternating current" into the primary. The core is reversing its magnetism 120 times a second, and the atoms are flipping and flopping like mad. Eddie is getting pushed around something fierce. Remember what happens when a magnetic field moves? That's right; it sets up an electronic field — and Eddie, in such a field, has no choice but to move. This is the origin of the "eddy" currents you may have heard about. Now Eddie cannot move very far in this situation, because the transformer core is made up of many very thin layers of a special iron. The eddy currents are thus restricted to very small values. If it weren't for this layered construction of the core,

the transformer would get too hot to handle, and would be very inefficient. The heat would be generated by Eddie and his fellows moving rapidly back and forth through the core, just as the same sort of wanderings produce heat in your toaster. In the next issue, we will see how Eddie escapes from the transformer and begins his adventures in the vacuum tubes of the 'scope's power supply.



This group represents the individual trophy winners of the Tektronix league bowling on Thursday nights. These were also presented at the banquet held at the Country Kitchen. They are, front row, left to right; Kay Bartmess, high average; Jean Jackman, high series; and Marian Arnold, high game. Back row, left to right, Don Mulvaney, high series; Harlow Loucks, high game; and Don Calnon, high average.

One of Tek's ABC Teams Hope For Top Contention

Rolling at the Canyon Bowling Alley every Friday night at 9:00 is the ABC team representing Tektronix in the Tualatin Valley League, and incidentally, doing a very good job of it. The team is comprised of all men bowlers who work here at Tek. They are as follows, listed with their present individual averages: Don Pratt, Captain, 153; Ernie Plapp, 150; Carl Helmer, 160; Armon McDowell, 140; and Slim Sorenson, 161. With a recent stroke of bad luck, the team is now 1/2 point out of 3rd place, and 6 points out of 1st place. They have bowled 57 games which leaves a remainder of 39 to go. The High series for 3 consecutive games is presently held by Carl Helmer with a 626, and leading with high game is Don Pratt with 234. Not many weeks previous the boys topped the league, but as they are aware and you may know, anything can happen from week to week in that stiff competition. But here's wishing them luck and we hope to see them up there again. (At the end of the season, that is!)



Famous last words are attributed to Barbara Ekstrom in assembly's pre-production group. At the morning coffee break Barbara was carefully examining a complete selection of drills and then hailed Len Mason with the question, "What size bit do you use to drill a quarter inch hole?"

TINY TEKS

Distributing cigars this week was Al Ramberg (panelcraft) as the result of a nine-pound baby boy on January 23. Awaiting a first arrival the Gene Elliott's (stock) received a double deduction on January 21 with twin girls, Wendy Alleen and Cindy Jean. From Cleveland's field engineering office comes word of a son born to Charles and Betty Ann Gibson. The small-sized engineer has been named Charles B. Gibson III.

Credit Union Questions & Answers

1. Can I Withdraw My Money?

Yes. Money may be withdrawn on any day; but the board of directors has the right to require members to give 60 days' notice of intention to withdraw the whole or any part of the amount. However, this right has never been exercised since the organization of the Credit Union.
2. Are Dividends Paid On Shares?

Yes. At the annual meeting, on recommendation of the board of directors, a dividend may be declared from the net earnings remaining after providing for reserves. Dividends are paid on shares fully paid up before December 1. Any shares withdrawn during the year lose any dividends which they have earned.
3. What Assurance Have I That My Money Will be Handled Honestly?

The treasurer is the general manager of the Credit Union under the control and direction
- of the board of directors. He has charge of receiving, recording, depositing, and disbursing funds. An adequate bond covers the treasurer. A monthly financial and statistical report is required for the board of directors, and is posted for members inspection. The Supervisory Committee makes a complete audit of the books every three months, checking all cash transactions.
4. How Much Protection Does the Credit Union Now Have?

A 100% blanket bond, including a faithful performance bond, covers the treasurer as well as all Credit Union employees, officers, or anyone connected with the Credit Union. This bond protects the members' shares against any losses due to embezzlement, robbery, burglary, theft, forgery, misplacement, or mysterious disappearance, etc. Complete coverage is offered by this bond and is the best money can buy.



And there they go — Field engineer Ken Dellinger, wife, Helga, and children April Dawn, 9; David, 5, board United Airlines plane with field engineer Gordon Allison, wife, Evelyn, and Cheryl Ann, 2. After Bronxville indoctrination, the Dellingers will go to Chicago, and the Allison's new address will be Syracuse, N. Y. Secretary Betty Pray, foreground, is transferring to Tek's office in Boston.



This is the ABC bowling team bowling at the Canyon Alleys on Friday nights. They are from left to right: Armon McDowell, Ernie Plapp, Carl Helmer, Slim Sorenson, and Don Pratt. For story of their Friday night episodes, see story above.

Tek Talk

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Schools Need Support

Every Tektronix employee who attended a college or university receives a plea for funds sometime during each year, most of them vitally needed for the school's very survival.

Rising costs and the growing scarcity of wealthy "angels" at a time when student population is expanding have progressively increased the needs of every institution of higher education. Not only are the bare essentials necessary for operation difficult to meet — there is rarely adequate financing in the realm of exploration, expansion and advancement of knowledge we call research. Many American industries, and our own Tektronix Foundation, are helping bridge this "research" gap. A few are becoming aware of, and starting to assist the ordinary expenses of operation.

To further aid this cause, Tek's Foundation is offering to match the gift of any employee to an accredited school for unrestricted use, thereby doubling the contribution. These gifts must be to tax exempt institutions, and may not be used for athletic scholarships.

The Foundation hopes this step will broaden the support of our educational processes. The procedure is for the employee to take his check and accompanying letter or statement to Bill Webber, secretary of the Foundation. Bill will then include the Foundation's check and explanatory letter, and forward them to the chosen school.



Warren Clodfelter

Tektronix's able tax consultant from Seattle, Washington. For more detailed information on Warren, see the article on Income Tax.

Exports Double

(Continued from page 1)

some difficulties always crop up. Biggest one to date was the story told by Byron Broms on a West Germany concern who gave all the information and wanted our instrument but did not send his import license. Three other registered documents arrived from Germany but never the one essential. The problem was solved by Tek's sales office photostating the picture of an import certificate from the state department's manual which resulted in the sale.

Language has quite often proved a barrier but Tektronix is fortunate in the linguistic abilities of some employees who frequently interpret German, Spanish and French. No trade has yet been allowed with the Iron Curtain countries but inquiries are now beginning to come in from Yugoslavia.

Biggest customers are France and Sweden to date closely followed by Belgium, Italy and Japan. Due to the relaxation of sterling, the last three months have shown a great increase in shipments to Britain. Distributors for Tek products are in the following countries: Belgium, Denmark, Finland, Israel, South Af-

Weekly Skiing Trips Planned At Tek

Sparkplugging Tek's ski club is Dick Montag. Weekly meetings on Friday in the conference room determine rides and details for Saturday skiing plans. These meetings are announced over the loudspeaker and are for every employee who is interested in skiing. Weekly trips are currently planned up through March.

Instruction is given every other week by Juri Kauk either beginners or advanced depending on the particular group that is ski-bound. An alternate instructor for the other week is needed at this writing.

Wedding Bells Start New Year



Starting the New Year off right Bob Davis and 'Casey' Womack were married on New Year's day in the president's study at Lewis and Clark college with John and Mary Beth Taylor in attendance. Immediately after the ceremony they took off for 10 days in California and Mexico with their two boys, Allen and Pete. Congratulations!

rica, England, Norway, France, Brazil, Italy, Sweden, Japan, The Netherlands, Switzerland, India, Mexico and Puerto Rico.

Income Tax

(Continued from page 1)

But the broad meaning of that word "dependent" will help many. Expenses for care of a child under 12 years who is the taxpayer's son, daughter, stepson or stepdaughter, or other dependent mentally or physically incapable of caring for himself are deductible. There are no restrictions as to age or relationship in the latter case.

You Can Claim More Dependents

Close relationship is no longer necessary to qualify a dependent who lived in the taxpayer's home and received over half of his support from him. Children who earned over \$600 a year were formerly eliminated from the father's list of exemptions under the old law. Not wanting to penalize parents for their children's industry, Uncle Sam now sets no top limit for a son's or daughter's earnings. A taxpayer can claim an exemption if he provides over half the support of a dependent who is either under 19 or a student, regardless of the child's income.

The 1954 code offers relief, also, to children who are supporting parents. For example, John Doe and his two sisters share in helping their mother, who lives in her own home. Among them they have provided more than half of her support for several years and each has furnished more than 10% of such support. Formerly no one of them provided more than half to enable her listing as a dependent. Now they can take turns in claiming the exemption.

More for Medical Bills

This year you can deduct medical expenses in excess of 3% of your adjusted gross income, as compared with 5% in the past, but in listing your medical expenses you can only include medicines and drugs beyond 1% of your income.

If You Received Dividends

The first \$50 of stock dividends is tax free. This \$50 can be doubled for a married couple. This tax reduction is to offset in part the effect of "double taxation" — which occurs because a corporation pays taxes on profits and then, when the shareholder receives those profits in the form of dividends, they are taxed again.

As another means of reducing "double taxation" 4% of the dividends after the first \$50 may now be deducted from the total tax bill, within certain limits.

Sick Leave Pay Exclusion

The new law provides that some of your sick leave pay may be excluded from income. You received a sheet of explanation with your W-2 withholding statement.

If You Need Help

This year, more than ever, it is important to read the instructions if you want to pay as little tax as possible. If after you have done this, you still have questions, ask Bob, Les, or Don. If there are enough additional questions, another meeting will be arranged.

Halfway Mark Gained By Class

Cy Corn, professor to Tek's struggling neophytes in basic electronics, announces that the halfway point in the course has been reached. Starting with 63 students, the class now numbers 48 with one-half attending class on Wednesday evening and the other half on Thursday from 7 to 9. Meters, magnetism, capacitance and inductance — will be the subject matter in the remaining months.

Professor Corn and Tektronix's overall plan is to have a series of three classes going at all times. Now there is an advanced scope class and the beginners; as the present class finishes their fundamentals they will become the intermediate class and registrations will again be open for beginning students.

Hamburgers To Homebuilding Print Shop To Model Making



BOB and ALICE WHITE

Bob and Alice White are Tek Talk's election for the month — and they met over hamburgers. Flight Officer White newly returned from the service happened into Yaw's Top Notch one night and encountered Alice. Bob subsisted on hamburgers for the next four months with matrimony as his intention and made the grade in March of 1946. Since that time they have been busy building houses.

Their first lot was in Greenhills where they started to build but decided to sell it and move in with Bob's family who needed help in remodeling a house they had purchased. With this project completed they built a house of their own near Milwaukie and Bob's family moved to Utah for two years. When the family returned, the Whites went back to houses and completed another in the Milwaukie neighborhood. Next and final move was the purchase of a house on Westwood Drive which was built according to the White's specifications. This one is final according to them both — "it just needs the finishing touches that we are giving it now."

Bob has worked in engineering's model shop where the models for the production line are made along with new machines, ideas and patterns. Prior to the war he was in the print shop of the Northern Pacific and went into the air corps four days before Pearl Harbor. He was put into the airplane mechanic's school and was an instructor for 2 years on engine tests and operations. Trying hard to be a pilot he finally ended up as a flight officer and a graduate of the B-29 engineering school in

Hondo, Texas. From there he was sent to New Mexico but before he could get into action overseas the war ended.

Going back to the Northern Pacific from the war he eventually met Harry Allison who showed him the Tek plant and the next thing he knew he was working for Tektronix. He started in March 1952; Alice is a newcomer and has worked in assembly since August of 1954.

Bob has a number of hobbies including a workshop that is the envy of any man who has ever seen it including wood and metal lathes, the latter he uses to make more tools. He also specializes in photography and 'ham' radio. As Alice so neatly put it, "he prefers to spend all of his time on his hobbies but I keep him busy building houses." Alice states that her hobbies are working along with her husband and due to all the projects has now become interested in interior decorating.

Their seven year old daughter Carol has been admitted in on the partnership and according to Alice a carbon copy of her father. Carol is now taking piano lessons as Santa managed to get one down their chimney, and practicing to be a ballerina.

White projects at the moment are finishing the basement into a party room. Future plans after the landscaping is complete are quite unusual. This time it's not a house but a 22 foot inboard cruiser that will sleep four. Construction plans depend on finishing the other projects but Bob has plans for making the hull out of fiber glass with a wood frame. As for Alice "we'll just cruise down the river."

Inter-Office Memo

To: All Hands
From: Betty
Subject: New York or "The Gullible Travelers"

Boy, what a fabulous town New York is — I've never seen anything quite like it. Last night I drove downtown with the Allison's and practically broke my neck looking up. We went up to the 102nd floor observatory of the Empire State building. What a ride. It just takes a matter of a few minutes to get to the top. Of course, you have to change elevators three times but you finally make it. We drove down Broadway just as all the shows were letting out. What a mob! Outside the Metropolitan Opera house we counted 14 limousines (with chauffeurs) waiting to pick up their owners. Boy, no wonder there's sooooo many millionaires in New York. You couldn't afford to live here unless you were one. Everytime you drive around the block you practically have to pay at a toll gate. We figured that we spent around \$10 (or more) on tolls just from Buffalo to New York City. To get back to what I was telling you about, when we were up on the 102nd floor we could see the United Nations Bldg. to our right and the Statue of Lib-

erty was to our left on the other side. What a sight. I can't believe yet that I'm really here. We drove by Grant's Tomb Sunday afternoon. That's an awful lot of grave for one man. We also saw the Hudson River bridge, the George Washington bridge, River Cathedral (I guess that's where Ike goes to church when he's in town.), and we saw the Brooklyn Bridge. (Noooooooo Grace, I didn't buy it for 50 cents — it cost me a dollar, and it's all mine.) The Gramatan Hotel is priceless.....I feel rather out of place at times but I just drag out my knitting and start comparing patterns with all the other 80 year old kids sitting in the lobby. I'm going to get into a "hot" Bingo game tonight and see if I can win a few schekels.

(Editor's note: Other news drifting in from Tek's safari stated that en route they only had to change two flats, push the car out of the ditch once and put chains on for snow twice — "the joys of the open road.")

Basic Electronics



Loyd Sharp

ABOUT THE AUTHOR

Loyd started with Tektronix a year ago and works in test on the night shift. He is a physics graduate of Reed college; took machine design study at the University of California; and had specialized training in radio, television and salesmanship at the National Schools training program in Los Angeles.

"So you work at Tektronix, eh? Just what do they do out there?"

"Oh, we make oscilloscopes."

"Osci — — — come again?"

"Oscilloscopes."

"I guess I heard you the first time. What are they good for?"

"Search me. I wish I knew."

Did a conversation like that ever happen to you? If it did, then gather around. You have lots of company, and this is for you. You characters in engineering and test who know all the answers, go pedal your megacycles.

Did you ever look at a Tektronix 'scope and wonder why in Heaven's name anyone would want to pay \$500 to \$3,500 for a box of electronic fruit salad with a front like the dashboard on a space-ship. It won't boil eggs, wash clothes, or bring in a TV program, and you can't sharpen a pencil with it. So what's it good for?

Well, some sage character once remarked that one picture was worth a thousand words. In modern times, that's a masterpiece of understatement. When some obscure point needs clarifying, there's nothing like a picture; and that's an oscilloscope's job—drawing pictures, a very special kind of picture that could hardly be drawn in any other way. And it draws them far faster than the eye can follow, using a beam of electric charges for a pencil, and a fluorescent screen for the paper.

Scientists and engineers all over the world are interested in how things change. Stresses in materials, temperature, pressure, light variations, electronical waves and pulses, sound, heart-beat, nerve and brain pulses, magnetization — — all these things can be put into a form an oscilloscope can handle, and it draws pictures of how these things change with time or some other variable. Instruments which can do this with speed and fidelity are a tremendous boon to the world of research and development, and perform services out of all proportion to their cost. That's why men buy 'em.

Occasionally you will meet some person intelligent enough, or obnoxious enough, to wonder out loud just how these "miracles" are accomplished. Now, nobody enjoys being caught flat-footed in such a situation, so let's do something about it. I propose, in this and the next few issues of Tek Talk, to bring you the epic saga of Spinning Eddie, the electron with the magnetic personality. We will chase him around some

shoe magnet, is a region of force we call a magnetic field. If you place Spinning Eddie in such a field, he will promptly turn so his axis of spin points toward the magnetic poles. If you try to push him out of the field, he will drift off to one side.

(2) Between two bodies carrying opposite charges of electricity, is a region of a different kind of force called an electric field. If we place Eddie in this kind of a field, he will move of his own accord toward the positive end of the field.

These two kinds of field are always related at right angles when one or the other field moves, like so: If the electric field (dotted lines) is moving straight away from the reader, there will always be a magnetic field at right angles to it (solid lines). It doesn't matter which field does the moving, the other field will turn up. You will see how very important this is in your everyday lives in just a moment.

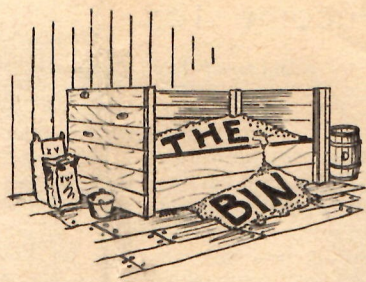
Now, Eddie is simply a very tiny, highly concentrated negative electric charge. Because of the field relationship shown above, and the fact that Eddie spins like mad, he is also a tiny magnet. This explains the way he twists in a magnetic field.

In one important respect, Eddie is a very disagreeable fellow. He behaves as though he despised his fellow electrons with a purple passion, and they return the compliment in kind. They try to get just as far apart as their state of confinement will permit. This hatred for his fellows is only equalled by his attraction for his opposite sex, Lady Proton. But she, chubby little character, outweighs Eddie by nearly 2,000 to 1, generally is found clinging tightly to several other protons, and almost never wanders from home. Eddie is the gad-about.

We now have the necessary building-blocks of Eddie's character and behavior-patterns: The existence and inter-action of electric and magnetic fields, and Eddie's complex regarding his fellow electrons: "I want to be alone!" No matter how much room you give him, he wants MORE. His theme song is: "All I want is all there is and then some" (Room that is.) These things we must accept as being just as real as the fried eggs on our breakfast plates; for if they were not so, there would be no Tektronix, and we'd all be out of a job. See how important they are? What's more, we'd still be driving horse-drawn carriages and sending long-distance messages by smoke-signal!

By far the greater percentage of Eddie's fellow electrons are humdrum workday drudges who never leave their orbits in the atoms in which they work. But Eddie, fortunately for our story, is in no such rut. He holds down one of the two spots in the outer shell of an iron atom. His co-worker at this level has just the opposite spin to Eddie's, so their contribution to the magnetic nature of this iron atom is nil. But Eddie is so loosely bound that he can jump to the next atom when a vacancy occurs there, and he most certainly will if there is a surplus of electrons behind him. Eddie is a "conduction" electron, free to move through his parent metal if an elec-

(Continued on page 4)



Let's hope that Tek's mother and fathers heard Melvin Murphy over KBPS at 3 p. m. on February 2 on the first half of his lecture entitled "When Children Blow Off Steam". If not, tune in on February 9 when he finishes the lecture "When Children Release Hostile Energy." Murphy is the executive secretary of the Oregon Mental Health association and is sponsored by the Portland Council of Parent-Teachers associations.

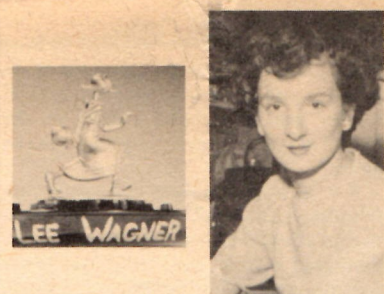
Due to Tek's recent migration Eastward of three families, we understand that Tektronix is fast establishing the reputation of not only having the best oscilloscopes but also the best "Bingo" players on the east and west coasts.

Bob and Jean Poulin and Dick and Marjorie Tollison left on January 18th for a week's skiing at Sun Valley, Idaho.

Jack Murdock, Bill Webber and Howard Vollum attended the American Management Association's general management conference in Los Angeles, January 24-27.

Engineering welcomes back Jean Delord following his three-month sojourn in France. At his request, Norma Caufield left personnel and returned to "computations" to work under Jean's direction.

Ted Shaver has been transferred from stock to final assembly, on his way to the test department.



One of the brighter aspects of the Tek bowling banquet was the presentation of this unique "special" trophy to Lee Wagner. Laughter soon became a din by the time it reached the hands of its prospective owner enroute around the table.

A last minute switch will find Betty Pray bound for Boston on the completion of her Bronxville indoctrination. The Boston secretarial job has been ably taken care of by Joyce Reynolds but this month marked the transfer of her husband to Cleveland and Joyce's termination with Tektronix.

Eastern manager, Jack Cassidy pulled a wizard act and offered Betty her original choice or Boston. Betty chose Boston and Joyce will carry on at Cleveland for Tektronix.

On February 12, Marian Arnold (eng.) and Donald Calnon (development engineering) are to be married in St. Rose's Catholic church. They will be at home after March 5 in a newly purchased house at 14995 SW Farmington Road in Beaverton.

Don Clifford has been promoted to the field engineering force and is now gaining experience in the front office. Apprenticeship with the customer's problems and support of the field engineering staff's problems on the outside will see Don out making scope sales in the near future.

On January 22, Alice Wynn (assembly) was married to Jim Fitzgerald in Stevenson, Washington.

Tek's French Import



JEAN DELORD

Starting with Tek in the summer of 1952 with a summer job was Jean Delord; a vacation job away from his duties as an assistant professor in physics at Reed College. This led to one day a week at Tek for the next year; in 1953 another summer's job and three days a week with Tek for the balance of the year. Since June of 1954 Jean has been with Tektronix on a permanent basis and has just returned to the plant after a four months sojourn in France. His visit to his home was his first return since 1948 and the purpose of the trip was to show off the "red-headed Kansan", who is his wife, Natalie and their 18-months old daughter, Cathrine.

Entering Jean's office all visitors are immediately impressed with a machine that resembles "Univak". This gadget bears the name of an analog computer and is used in engineering computations — — this is Jean's forte and field.

Jean was born in France and took his higher education at Toulouse where he received his A.B. From there he was to go to graduate work and a scholarship in the United States but the war intervened. Jean went into the French army and after France's capitulation into the underground where he was subsequently caught and spent 18 months in a concentration camp in the Sudan; he eventually escaped and went back to the underground. At the end of the hostilities he went to the Sorbonne to continue his studies and

was fortunate enough to receive a scholarship through the International Institute of Education. At the University of Kansas, Jean received his doctor's degree in physics and met his red-haired Kansan who was doing graduate work in English literature. From here with a few problems on visas it was Oregon and a position in the physics department in Reed college.

Hobbies — — they are legion and as Jean so well expressed it "mainly conditioned by his surroundings." The Delord's live in Cedar Hills Manor and interest themselves in photography with their small daughter as the impetus. Jean likes to build furniture — functional, only. Like most Europeans, he is fond of hiking and contrasts jaunts on Mt. Hood and Mt. Rainer with his native Pyrenees and Alps; this is a mutual sport with Natalie an equal enthusiast. Jean loves swimming and has shown prowess in skin diving; interest in fishing; books and music.

On their trip to France the Delords spent five weeks at Arcachon, a bathing resort located south of Bordeaux with Jean's family and another five week's in Paris. To the latter there is but one comment, "I love Paris!" Jean's comment on France after a six year's absence was that he felt a sense of maturity about his country and a sense of leadership under the French premier Mendes-France.

Clara Knox's Ceramic Story

Two years ago Clara Knox (crt) walked into a neighborhood ceramic shop just to look around and when she walked out she had a hobby that has now developed into the perfect solution for gifts and by selling her surplus articles pays for itself.

For the benefit of any Tek employee who might like to dabble in ceramics Clara went on to describe the basic procedure. The first investment is of course, tools, but surprisingly enough you may have a number of them in your own kitchen. These tools include a brush, knife, sponge and a lace tool and at the very top the price would not be more than \$10. Taking a poll of hobby shops the editor discovered that lessons are given without charge if the green ware is purchased and fired at the shop.

For the uninitiated green ware consists of various molds in clay which the pupil then finishes such as plates, cups and saucers, figurines, etc. As a general rule of thumb the price of the green ware or model that you select usually equals the cost of the firing. The pupil first takes the green ware, cleans it up

and then the first firing; next comes the application of the glaze and the final firing. Glazes cost from 25 cents to \$1 and china paints for decoration range between 25 to 50 cents. Clara made a quick guess on the price of a cup and saucer and came up with \$2 but added that the same thing purchased would be \$4.

Asking Clara what she had made resulted in a department store list but included a selection from ash trays to lamps; vases to Tom and Jerry sets, Bibles to Good Shepards; Santa Claus to pixies; wedding plates to cornucopias. She has enjoyed doing free hand work the most, creating numerous children's mugs that expressed their personalities along with pixies in a galaxy of poses. Also in free hand there comes the satisfaction of a signed piece.

As in any job requiring craftsmanship there are also heartbreaks that occur, in the firing mainly. Clara described that making of one cornucopia for an eastern friend which she made ten times before it survived the necessary firings. Her next step now is to go into porcelain — when she does, we'll go right along and learn too!



of the circuits of a Tektronix 'scope, in familiar terms. By the time we have finished snooping into Eddie's private life, we shall have acquired a good common-sense picture of what an oscilloscope is, what it does, and HOW.

A spinning electron? Yes, all electrons spin, some one way, some another. So what's the difference? We have magnets, don't we? So there's a difference. We have electric motors, radio, television, and Tektronix, don't we? So there IS a difference.

If we are to savvy much about Spinning Eddie, what he does and why, we must learn a little something about two basic quirks of Nature:

(1) Between the poles of a horse-