

# TEK TALK



VOL. 2 NO. 2

MARCH, 1953

## THE HART STORY

By Sandy Sanford



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

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

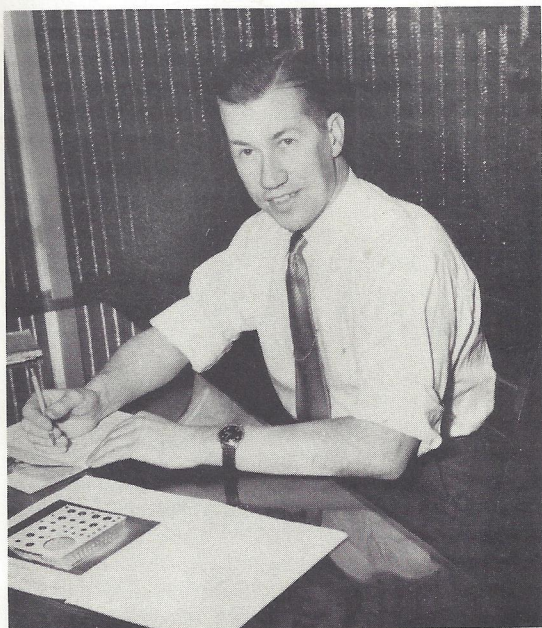
After graduation from high school, Fred worked for two years as a machinist's ap-

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## VISITOR FROM SWEDEN

By Will Marsh

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



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

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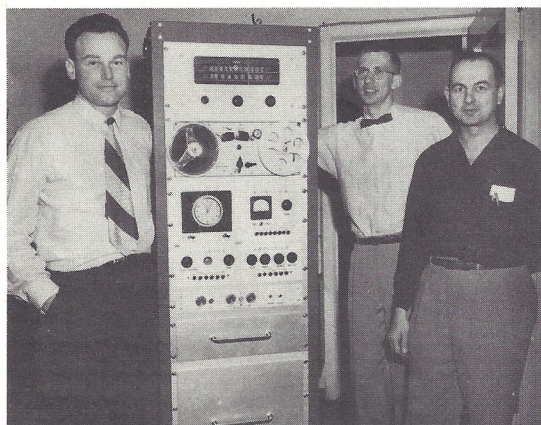
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PHOTOGRAPHER - Ed Egan

NEW  
MUSIC  
SYSTEM

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

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

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

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

AND  
ITS CONSTRUCTION

By John Mulvey

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

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

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

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

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

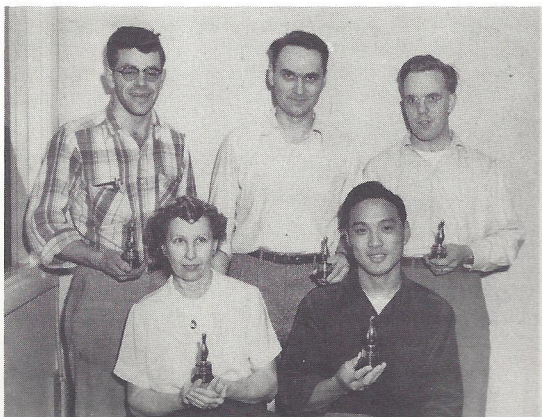


## BOWLING RESULTS

FIRST SESSION, 1952

By Hawkin Au

### SLO-BLO TOP O' THE DAY



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

### ROCKETS SWING HIGHEST



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

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

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

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



#### Individual HIGH GAME Honors:

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



#### Individual HIGH SERIES Honors:

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

\* \* \*

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



## ENGINEERING 4

By Marian Arnold

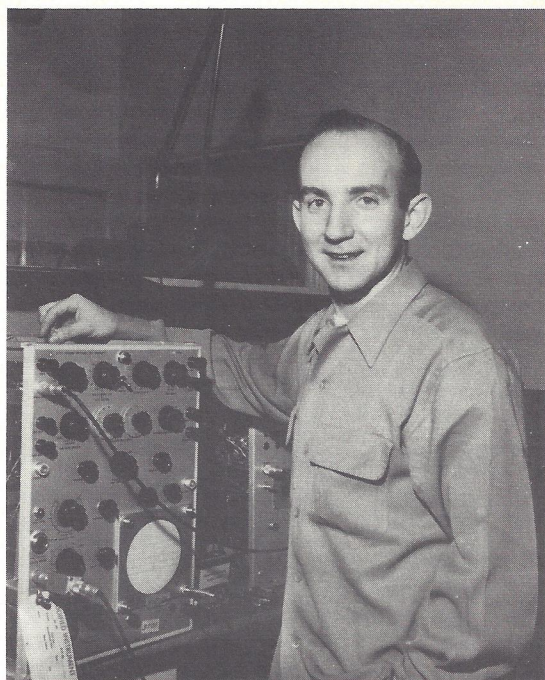
Engineering 4? That's room number 4 in the Engineering Department. Located here is a group of people with comparatively diversified activities. Some work on new instrument development and some work on improvement of present instruments. The latter is better known as the Production Instruments Engineering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

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



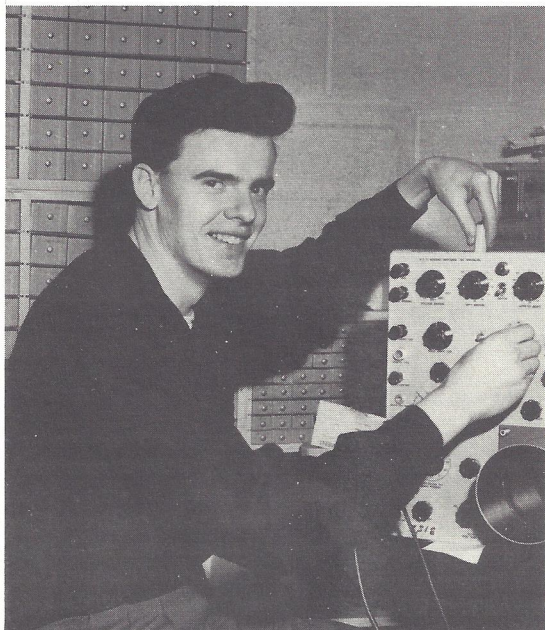
Dick Rhiger

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



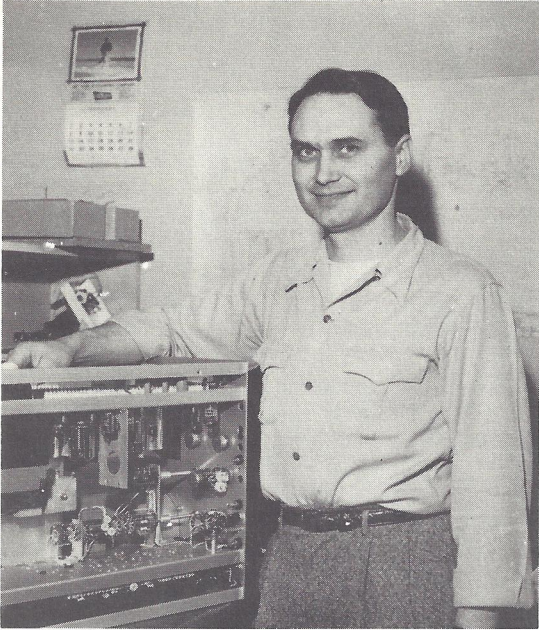
Don Calnon

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



John Kobbe





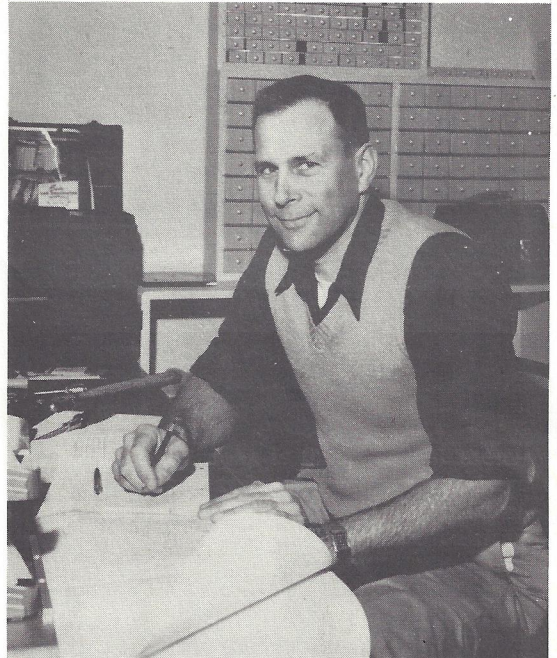
Chuck Nolan

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



Bob Poulin

**BOB POULIN:** Like Don, Bob also worked summer vacations in 1948 and 1949. He graduated from Oregon State in 1950 to become a permanent member of the staff. He works on the improvement of instruments in production. Bob was a confirmed bachelor until September, but since his marriage, has been rapidly and completely domesticated. He and Jean are all set for a very active skiing season this year. Other activities are hunting, hiking and fishing, although taking care of his new home comes first.



Archie Yergen

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

\* \* \*

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



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

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

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

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

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

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

## AN ESTATE FOR YOUR CHILDREN

By Scotty Pyle

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

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

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

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

\* \* \*

## TED'S BACK AND HAPPY

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

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

\* \* \*

## THE BRIDE WORE WHITE...

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



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

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

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

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

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

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## NEW FACES

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

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

## TRANSFERRED

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

\* \* \*

## BONNETS AND BOOTEES

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

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

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

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

## BACHELOR'S SOUR GRAPES

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

\* \* \*

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



'Redhart'.....Cont'd from Page 7  
Company, continuing until just recently.

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

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

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

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

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

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

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

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



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

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

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

\* \* \*

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

\* \* \*

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