

# TEK TALK



VOL 2 NO 6

JULY, 1953

## DAVIS

"...an unidler guy is hard to find."

BY WILL MARSH

A working, growing organization like Tektronix can be compared in some ways to a fairly complex machine. A machine like this requires a large assortment of gears, cams, pins, bolts and nuts - lots of nuts.

The flywheel is sort of a regulating device which smooths out bursts of energy into an even flow, and prevents changes of load from stalling the driving source. This is where BOB DAVIS fits into the Tektronix machine. Orders come in the forward end, and scopes go out the after end, and Davis is somewhere in between flying around at high speed (ever try to keep up with him?).

Bob was born in Seattle when the year 1919 was almost done and began early to exhibit the characteristics of a Character; in short, he was a Precocious Child. Time is an insidious mocker to most of us, but to Bob, Time is a gracious friend; an unidler guy is hard to find. As an uninhibited urchin he invented circus parades to the vast entertainment of the neighborhood. He also embarked on a miniature circus project in-



cluding seats, tent, circus wagons, and all the trimmings. His sister made costumes for the doll performers and helped paint the posters; then the whole show was displayed at the school. Again, this small-size power

plant proceeded to print a weekly newspaper, taking ads, reporting (Editor, please note), editing and printing. As a matter of current interest, the first Tektronix forms were printed with his equipment.

Bob's inherent mechanical ability was undoubtedly shaped and polished in his father's automobile shop. The elder Davis was completely competent mechanically; witness the fact that he built his own car in 1912, and drove it from Indiana to Seattle. This is an ideal situation for learning - able teacher and willing pupil.

Somewhere in this picture a clashing color appears. It's improbable, unlikely and perhaps even irreverent, but it's there. This man with dextrous digits, with wheels in his wig, and brawn in his back is, also, (this kills me)

Cont'd on P. 8

## LOGAN RETIRES FROM TEKTRONIX

By Bill Webber

At an Engineering Department meeting Thursday, July 16, it was regretfully announced that our blond Idaho friend is departing from our midst as an employee and stockholder. During the past five years, many of us have come to lean on LOGAN BELLEVILLE for help when in trouble. Everyone has deeply and sincerely appreciated his humor, wit (or part thereof) and sage advice.

Our pal feels that he liked the "Halls of Ivy" while at M. I. T. -- Radiation Labora-

tory during the war and wants to become more familiar with those at the University of Washington. Confidentially, it is suspected by some of his more suspicious cronies (Rhiger and Nolan) that he has approached that dangerous age where he hopes to trap a coed or six in some Hall of Ivy that's dark with no exit at the other end.

His plans are not complete yet, but in addition to "seeking larnin'", he plans to

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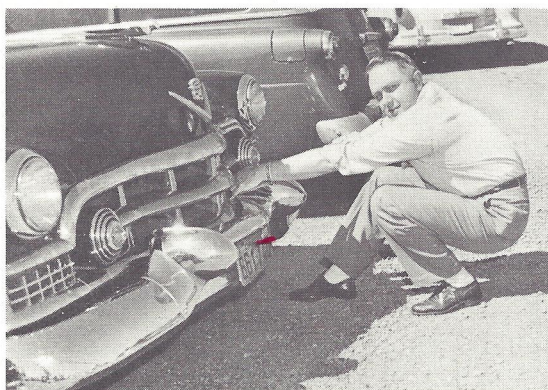
EDITOR Irene Garvey

## CONTRIBUTING REPORTERS

Vern Bartlett  
Jack Clark  
Blanche Cook  
Will Marsh

Dick Schmidt  
Miles Tippery  
Bill Webber

Photographer - Ed Egan  
Cartoonists - Jack Clark  
Arnold Rantala



**MORAL:** People who park cars rear end toward building may need considerable pull.

Everyone's cooperation is asked, if parking close to the plant, to park facing the building to avoid damage to flowers and shrubbery and marring the building with exhaust fumes.

Parking back to building does not guarantee a quick takeoff anyway, not even by Cadillac, **WHITEY EMMARSON** can testify.

\* \* \*

Erik Ferner sends his congratulations to all those who made possible a prompt shipment of a replacement tube to Sweden, enabling his customer to place his scope in operation. Erik writes in part about his customer, "it was very much appreciated by him that he received this replacement tube on warranty only four days after he asked for it".

While we attempt to provide this type of service at all times, it isn't often we receive all the details to be able to tell the complete story. By complete details and efficient handling at all points, our overseas distributors and ourselves working as a unit, we are able to provide the type of service we want all Tektronix users to expect.

## ASSEMBLY PLANS RESHUFFLE

Tektronix is not only happy, but considers it good business, to pay for a job well done. The earnings of our people are as high or higher than you would expect to receive for a comparable job in any similar industry. Frequent comparisons are made with the wages being paid in other plants operating on the West Coast, and particularly in the Portland district.

A problem has presented itself, however. How well a man did in the early days of Tektronix was easy enough to determine when each of our few supervisors was familiar with everyone's work. Since we have been growing, with more people and more instruments constantly being added, and many more specialized jobs being created, it has become difficult under the group system to judge accurately each individual's merit, as there is often no one else within the group doing a similar type of work. Something would have to be done. As we still want to maintain our policy of increasing pay rates and promoting people strictly on merit, the need became apparent for a means of closer observation of each person's merits.

**JOHN TAYLOR** announced a plan of action at a meeting of the Assembly Department on July 6. Grouping by job classification. People doing like work in Assembly will be grouped together as follows: Mechanical Assembly, Unit Wiring, Final Assembly and Inspection. The group leader in charge of each section will have a reasonable and logical basis for determining merit by comparing the ability and other attributes of each individual with others doing the same type of work.

Accessories and Cables is a separate unit under the supervision of **WENDELL FERLAND**.

The Inspection Section has been set up as of Monday, July 13 to include **BILL BARNES**, **JACK HUGHES** and **HERB CRAWFORD**, with **WHITEY EMMARSON** in charge. Other sections will be arranged as soon as convenient.

\* \* \*

**MAXINE CALVERT** in Assembly, an ace in the Sylvan Archers was awarded a handsome medal for first place honors, Archers Class, in the Oregon State Bow Hunters tournament recently. Over the 4th of July weekend, Maxine won another medal for second place in the State Target Tournament. Following in the footprints of Mom's mocassins, are her 8-year old twin daughters.



## JUNE AND TOM RUYLE

By Jack Clark

Front center on the Twosome stage presents JUNE and TOM RUYLE, of the Ceramics Department and Shop, respectively.

June, who comes from Valley City, North Dakota, moved to Portland in 1947. She was a machine operator for Bayly Manufacturing Company of Portland for four years, helping to make work clothes before coming to Tektronix in April, 1952.



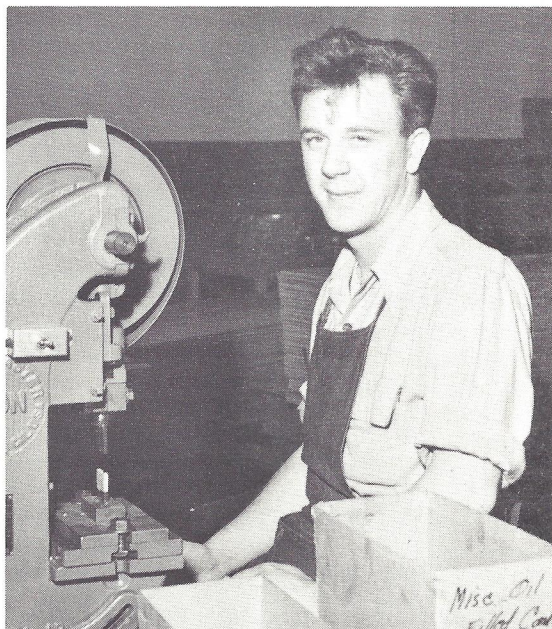
Starting in the Cables Department, but since last November working most of the time on a lend-lease basis in Ceramics, June has as of last month become an official member of the department labeled "Explosives".

She is an accomplished and active church organist and pianist, and bowls - recently walking off with a bowling trophy won in the Tektronix bowling league.

Tom, who was born in Ambrose, North Dakota, has made his home in Portland for nine years, and worked for Valentine Refrigeration Service, servicing refrigeration units before joining Tektronix in January, 1951. He first worked in the Etch Department of Shop, then did general shop work before going on the screw machine operation which is now his main work.

He served two years in the Navy and was stationed on the USS Pennsylvania when it was being prepared with other ships for the Bikini A-bomb tests. His crew also prepared all other ships used in the tests. Using rescue breather apparatus and special clothing

for protection against the bomb's post radioactive effects, he aided in preparing the Pennsylvania for towing to Pearl Harbor after the tests, being assigned to the ammunition disposal unit. Ammunition had to be removed from the craft and taken out to sea to be dumped, and other post test work had to be performed. However, before reaching Pearl Harbor, the bombed vessel sank, as did many others that were subjected to the terrific effects of the tests.



Tom enjoys bowling, fishing and hunting as recreation, and has been an active participant in our bowling league.

The couple met after June started working for Tektronix. According to Tom, an introduction was hastened when he saw June driving downtown one night without lights, and hollered at her -- yes, "hollered".

June and Tom were married February 14 and now live in the West Slope area near the plant.

\* \* \*

## PHONE(AN)TICS

In sending telegrams it is desirable to substitute letters with words to avoid error or misunderstanding. A recent telegram to our New York office referred to 5ABPl as "FIVE ABLE BAKER PETER ONE".

Not to be outdone, Tektronix New York wired back: "FURNISH TWO TYPE FIVE AG-IES BAGGY PANTS ONE TUBES".

\* \* \*

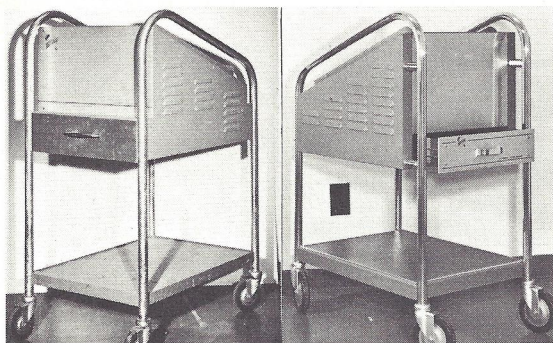


## SHOP TALK

By Vern Bartlett

### THE SCOPEMOBILE

During the summer of 1949 DICK RHIGER felt it would be desirable to be able to move the 517 scope around on some kind of mobile device, so he designed the first scopemobile with MILT BAVE contributing his mechanical knowledge.



The first scopemobile is still with us, as is evidenced in the accompanying photo.

Comparing it and a recent model, we see no basic change, but the actual construction is radically different. In the beginning cabinet and shelf were built with frames of aluminum angle, cabinet sides being bolted on and the shelf made of plywood with a linoleum covering. Now all shelves and cabinets are cut from flat aluminum, bent to shape, and welded, eliminating costly piece-by-piece construction. The linoleum is applied directly to the shelf and finished with a polished aluminum molding around the sides. The rails, or polished tubing "hand holds", were set into curved corners in the cabinet of No. 1 whereas the new design uses standoff sections of tubing between cabinet and rails - another move to simplify cabinet construction and add to appearance. These and many other changes all contribute to an end item of gleaming beauty and superb utility.

The scopemobile made its debut in the fall of 1949 when MILES TIPPERY and W. K. DALLAS displayed it along with other Tektronix equipment at the National Electronics Conference in Chicago at the Edgewater Beach Hotel. Our Scopemobile received such acclaim we decided to go "into business".

The Scopemobile is something unique in our operation in that it is the only unit at Tektronix that is produced ready for shipment exclusively in the shop.

Unique also is the fact that it sells itself, and is also to some extent a silent salesman for oscilloscopes when the user wheels his

Tek scope in front of the envious eyes of his fellow engineers.

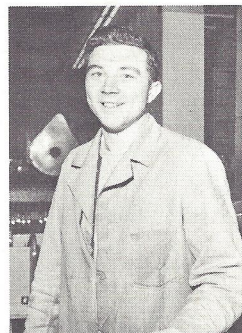
One of its more unusual advantages is demonstrated in atomic research. Through its use an oscilloscope can be pushed into a "hot" area with a long rod, eliminating human contact with dangerous radiation. The scope face can then be read with binoculars.

In three years the retail value of scopemobile production has approached a quarter million dollars. The linoleum used during this period would cover forty-three average kitchen floors. The green felt used for drawer lining would cover fifty billiard tables. The rails, if straightened and placed end on end at sea level would tower almost two-and-one-half times as high as Mt. Hood. If all these scopemobiles were transformed into level-full shopping carts in a supermarket, they would hold \$40,000 worth of groceries. That is a lot of groceries - even at today's prices.

And that's a lot of Scopemobiles, too. Such a healthy demand is proof of another high quality Tektronix product.

\* \* \*

### SCOPEMOBILE PERSONALITIES



IVAN ARNOLD, the oldest member of the crew is one of the youngest men at Tektronix. He came in shortly after the first model was shown and has the prestige of being the first man in actual production of scopemobiles.

His entry into this world was made in Enid, Oklahoma, and into this part of the world at the age of fifteen when he came with his family. Ivan attended Franklin High School, then entered the Army where he spent twelve months occupational duty in Japan. Back home he received nine months more schooling, then came to Tektronix on January 10, 1949.

His earlier shop experience which included work on chassis, frames, etching, brass chassis and bakelite has helped him a great deal toward his work in the Scopemobile Department.

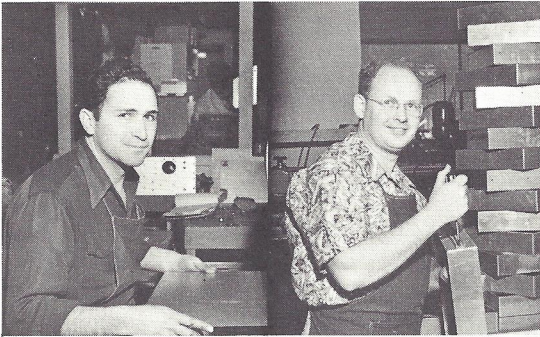
Ivan and Mary Ann have two children, a



two-and-one-half year old Mary Ann, and a two-month old Freddy.

Another crew member is HANK JONES, who is a Beaverton native. After attending Beaverton High School, he joined the Navy where he spent two-and-one-half years, most of which time he was a water tender, third class, on the famous aircraft carrier U. S. S. Yorktown. After his service duty, Hank spent his time in manufacturing work at four different companies, then came to Tektronix in August, 1951. Doing general shop work, he finally gravitated to scopemobiles in January, 1952.

Hank "investigated" possibilities here as a result of one of our employees singing the praises of Tektronix - and glad he did. Hank owns his home in Beaverton, and he and Peggy have two nice little girls, Carolee Ann, age six, and Dianne, two-and-one-half.



WALDO JOHNSON became curious about Tektronix while working for the engineering crew who laid out the Ridgewood housing development across the highway from us. His interest paid off.

Waldo is a native Portlander, but has spent about half his life in Northeastern California where for two years he operated his own restaurant business in Auburn. During his service life he was attached to a special artillery group which served different branches of the service, including the British forces, doing survey work. This experience led him to his civilian job, which in turn led him to us. Waldo beams with pleasure at mention of his several blessings, wife Lois, six-year old son Robert Lee, and his job here.

Since writing this article, GEORGE JANSEN, a student at Oregon State, majoring in chemical engineering, Junior year, has come to spend the summer with the Scopemobile gang.

\* \* \*

The best reward for a kindly deed is the knowledge of having done it.

\* \* \*

## A LITTLE STRANGER

arrived on June 18, and STEVE HUGHES is mooving around with a starry-eyed look, not outshone by his welding arc. The new arrival weighed 28 lbs., and both mother and her offspring are cud chewing contentedly.

\* \* \*

## FIRST AIDERS

Eleven weeks spent wading through one text book, a supplementary text, an unrecorded amount of splints and bandages, and one Lyle Van Dyke, instructor, has paid off with fifteen additional graduates in First Aid prepared for the unexpected. Congratulations to these eager brandishers of the brace and bandage, who are

### Assembly

John Hewitt  
Barb Ekstrom  
Edna Ulrich  
Rubye Peterson  
Dorothy Garrison  
Lois Campbell  
June Bass

### Stock - Purchasing

Jane Grace  
Ellen Burton  
Hawkin Au

### Administrative - Planning

Norma Caufield

### Shop

Bud Siegel  
Harvey Hanson  
Earl Wilson  
Armon McDowell

Two of the new First Aiders have already been called upon to serve in emergencies -- NORMA CAUFIELD and HAWKIN AU are in the transportation unit ready to drive ill or hurt people home or to the doctor in an emergency. The need for their service is to be cleared through the Personnel Department, or the First Aid Committee, including

### Assembly

Cecelia "Tiny" Davis  
Ida May Norby  
Helen Thome

### Shop

Bob Strutz

### Component Test

Merle Miller

Our many thanks go to Instructor Van for his time voluntarily transferred from his business to the teaching of our class, and for the thorough manner in which he carried out his task.



## CREDIT UNION

Now that the Tektronix Federal Credit union has been in existence for approximately a year and a half, it might be a good idea to review some of the principles of Credit unions. Basically, it can be said that a credit union is a cooperative organization to promote thrift among its members and to make loans from these savings to the members in need.

The topics in the last two issues of Tek Talk have been devoted to the thrift principle of your credit union because your board of directors has felt that **EVERYONE** should and could have some type of systematic savings regardless of the amount. Payroll deductions have been authorized by Tektronix to make it easy to have a savings program. Life insurance is purchased by your credit union to match your savings dollar for dollar to a maximum of \$1,000.

For those who need a loan, your credit union's interest rates are comparable to and are better than many loaning institutions. An employee here at Tektronix recently made this statement, "I borrowed \$150 from a bank not so far from here for six months and it only cost \$7.00." Borrowing the same amount of money for the same length of time from your credit union would cost \$5.25 - a savings of \$1.75 or 25 percent. This example shows that your credit union is an excellent place to borrow. Loan protection insurance is purchased by your credit union in which case the loan is automatically paid upon the member's death or permanent disability.

These basic principles of your credit union have dated back to the early 1800s when credit unions were founded in Germany, France and Italy. All the principles and philosophy can be summed up in these nine words -- **NOT FOR PROFIT, NOT FOR CHARITY -- BUT FOR SERVICE.**

\* \* \*

As of May 31, 1953 the financial statement showed --

Shares	\$50,364.66
Loans	67,477.77
Income	2,277.12
Expenses	1,097.53
Profit	1,179.59

Do you know that your credit union has nearly doubled its status in the past six months? Let's all help to keep it growing.

\* \* \*

Do you know that your National Credit Union Insurance Society offers basic life insurance to you at lower costs than other insurance companies with free counseling service?

If you are contemplating increasing your life's protection, drop into the office and more information will gladly be given to you.

\* \* \*

There is the old story about the colored slave in the deep South who borrowed \$5.00 from his master and thought that his master was really wonderful -- he never had to repay the \$5.00, only a dollar a week for interest.

\* \* \*

### WELCOME

Assembly: GLENN PARK, DWIGHT LOOMIS  
Test: FRED TINKER, LOU BALLINGER  
Purchasing: DOLORES SMALLEY, BETTE KING

Stock, Silk Screening: WARREN TRASK  
Office: SILVA AUSTIN  
Office, Advertising: PAULINE JONES

Twenty-four others are spending the summer at Tektronix - we anticipate hearing a little about each before the summer is over.

\* \* \*

### BONNETS AND BOOTEES

DICK GARY, group leader in Assembly, has three daughters now that Glenda Danelle, weight 6 lbs. 5 oz., has moved in as of July 14.

BILL POLITIS announced the birth of a second son on June 10th, weighing 8 lbs. 6 oz. Richard James has a big brother Russell.

A boy named Randal Glenn, weighing in at 7 lbs. 14 oz. joined the GEORGE SCOTT family on June 28.

Lorraine and HARRY STEWART, Test, announced that a tiny passenger Barbara Joan, weighing 6 lbs. 14 oz. arrived on June 20 via Stork Heir-Lines, Ltd.

\* \* \*

### WEDDINGS

Opal Hink and ED FROESCHLE, Test Department, exchanged vows at the First Baptist Church in Stayton, Oregon on June 14.

The Grant Park Baptist Church was the scene of the wedding of MARYELLEN ANDREWS of the front office and LES STEVENS of accounting on Friday evening, June 19.

The sun has been shining since July 3, the day WALT ZOUCHA of Shop and Flora Buckley were married in Stevenson, Washington, followed by a honeymoon in Canada.



## SCENIC TRIPS PLANNED

By Miles Tippery

To aid our outdoor enthusiasts in planning to join our trips, the hiking committee has worked out a tentative schedule for July and August. These trips are all quite easy so that the "tenderfoot" can participate, yet they are located in spectacular scenery of interest to experienced hikers. Since there has been considerable interest in camping, three overnight trips are included. We will camp in forest camps equipped with fireplaces, water and other facilities, so very little equipment will be needed.

All Tektronix people, their friends and relatives are invited. Watch the bulletin boards for sign up lists.

### August 1-2. Mt. St. Helens and Spirit Lake.

An overnight trip with hiking, camping and swimming available. We plan to hike four miles along Timberline Trail to Ape Canyon on Saturday. Wonderful views of Spirit Lake, Mt. St. Helens, Mt. Adams, Mt. Rainier and other peaks. Another hike, swimming, boating, fishing (Washington license required) or loafing optional on Sunday. Could return Saturday night if desired.

### August 8. Silver Creek Falls State Park.

A popular five-mile forest trail, including two magnificent waterfalls.

### August 15-16. Mt. Adams.

An overnight trip to the northwest's second highest mountain. Camping, hiking, fishing or swimming in the Bird Creek Meadows area, considered one of the most beautiful alpine regions in the United States.

### August 29. Mt. Hood Timberline Trail.

Starting at Cloud Cap Inn, we plan to hike around the rugged north side of Mt. Hood over a good trail which affords many views of Elliott glacier, Coe glacier, flowering meadows, mountain streams and distant peaks. Very different from the Timberline Lodge area.

### Sept. 12-13. Short Sands Beach.

An overnight trip for those who desire. One of our most attractive beaches, hiking, swimming and camping. Crowds reduced by half mile separation from highway.

### BLANCHE COOK TELLS US

"Our first hike of the season attracted JIM BOYLE, HELEN WALKER and son Larry,

LEO WULFF, Ruth Tippet and myself to Saddle Mountain State Park. The Tippet family guided the hiking party to the peak, and started them up the trail. After approximately two-and-one-half hours of hiking, admiring and exclaiming, the group was further rewarded with a breathtaking view of Astoria, the coast range and ships on the Pacific Ocean. All who went agreed it was a most satisfying experience."

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## STOP LOOK & LISTEN

WHEN CROSSING OR WALKING THRU PARKING AREAS.



\* \* \*

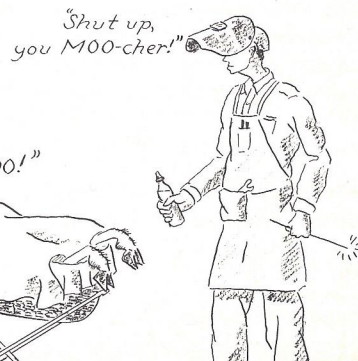
### RESIGNED

EARL GROVE of the Test Department has resigned from Tektronix as of July 22 to accept a position as engineer at KPTV. Our best wishes accompany Earl in his new undertaking.

\* \* \*

The mailing machine has been moved from the front office location to a corner in the east end of the new assembly section, and everyone is asked to leave outgoing mail at the machine by 4:00 p. m.

\* \* \*





Davis.....Cont'd. from P. 1.  
a twinkle-toed terpsichorean. I mean it. He used to be half of an exhibition dance team; I can't help it - it's irrefutable.

Well, close your mouth and unarch your eyebrows, and we'll continue. Bob left the University of Washington in 1942 to join the U. S. Coast Guard. During the greater part of the war he was stationed at Seattle Repair Base as Radio Technician. Here Bob worked with a large sector of potential Tektronix. JACK MURDOCK, MILESTIPPERY, HOWARD GAULT, MILT BAVE and KEN WALLING were there during some part of Bob's tour of duty.

After this fascinating and frustrating period our lad of the large larynx returned to the University of Washington to stain his shirts with  $KMnO_4$  and burn his pants with  $H_2SO_4$ . In between shirt-stainings and pants-burnings he built a house, and concurrently and practically simultaneously expedited materials for a construction company. I sure get tired just thinking about this.

In the summer of 1948 he started in the engineering department of Tektronix doing chassis layout in unusually competent manner.

During Tektronix' breeches-busting expansion, after the move to the new plant, he was needed by necessity to organize purchasing. Somehow, at this time, he got his coattails caught in the gears of production. After flailing about madly for awhile, he came out riding the machine. Now, like a one-man band, he tootles and thumps on assembly, stock, purchasing, test, ceramics and transformers. The music may not sound so hot, but it sure looks good on the bonus check.

Once in awhile you run into a "natural", a guy you can put on any kind of a job with confidence, a guy who can find out how, if he doesn't know how. These individuals are seldom often, but we've got him.

Davis is a determined doer, not one to be hindered by protocol or practice. Although a formidable adversary in argument, he bears no malice and (I hope) harbors no grudge.

Well, that's the top of the Davis as he looks from here. They invented a word for guys like this: indomitable.

\* \* \*

#### HOW MUCH IS THAT DOGGIE?

Black and white Springer Spaniel Pups, two months old, are just \$5.00 each. See RON HANKINS in Drafting.

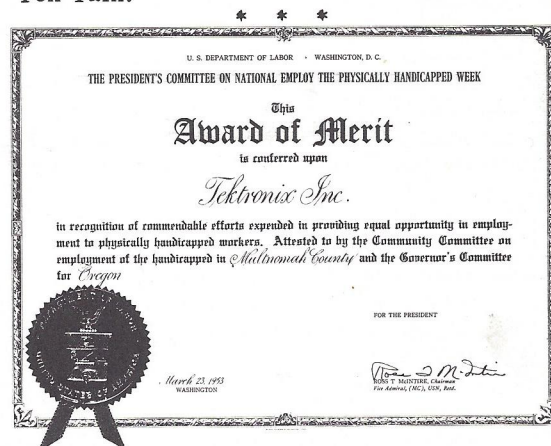
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Logan.....Cont'd from P. 1  
travel extensively without pressure of time to see the country and visit friends. We can rest assured he will be back to let us know what progress he has made in the ivy covered halls and his specific future plans. At that time we will probably have to address him with more respect - like, "Hi, Doc".

We will miss Logan but at the same time want him doing what he will enjoy most and make him the happiest. Logan and Bess will carry with them the deepest and sincerest best wishes of all their friends at Tektronix.

It was also announced that DICK ROPIE-QUET is appointed Chief Engineer with the administrative and technical supervisory responsibilities of the Engineering Department. Of course, HOWARD VOLLUM will, as President, continue to be active in Engineering Department affairs.

Many will remember the story about Logan in February, 1953 Tek Talk and the story about DICK ROPIEQUET in the May, 1953 Tek Talk.



At the governor's annual luncheon meeting in behalf of "National Employ the Physically Handicapped Week", attended by MILES TIPPERY and DON KEPLER, Tektronix was presented with the above award in recognition of our efforts to employ physically handicapped people. Present at the luncheon were Governor Paul Patterson, Admiral McIntyre and other officials of the program.

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#### PROMOTED

as of June 22, 1953, JOHN MATTHEWS has assumed new administrative duties to assist BOB DAVIS and JOHN TAYLOR in Technical Production.

For the present DICK MONTAG is looking after the Small Instruments Group.