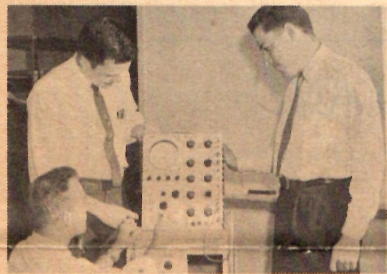




IBM engineering training course includes demonstrations and instruction about Tektronix oscilloscopes shown being conducted by 'Professor' Scotty Pyle, Syracuse field office. Eddy Richmond, Portland, and Marvin Crouch, Toronto, Canada, also attended this session. Two other pictures were used in IBM's Laboratory News Letter.



An outline of our operator and application training course as used this past fall at IBM Endicott for the 530-540 Series oscilloscopes is available from Eddie Richmond (he filed it for safe keeping). It covers Background Material (what every operator should have in the back of his noggin); Basic Scope and Operation (what happens when knob twisters twist); and Applications (how to get the most out of your scope).

Very fine pictures, we say, both of the Tek instruments and IBM personnel. Our thanks to the Syracuse office for furnishing this material.

A Rhyme From Ol' Father Time

— namely Ed Bauder

BIRTHDAYS past I can scarcely recall.
Concern for my age? I've had none at all!
But some things you said on those cards of mine
Made me stop and think... only twenty-nine?



I have noticed, though, that golf courses are longer
And that all of my shots should be much stronger,
But how to this fact am I to resign,
If, after all, I'm only twenty-nine?

Stairs, I must admit, are getting much higher
'As I seek an elusive oscilloscope Buyer,
But these thoughts, of course, cannot be mine,
For you all stated in writing I'M twenty-nine!



Martinis now seem to me to be thinner,
While olives have grown to be almost a dinner.
The reason I fell was beaucoup vin de la Rhine,
But would this be the case at twenty-nine?

Another thing is mighty bewilderin'
Hostesses now are only mere children.
Is this the truth or only another sign
That maybe I'm older than twenty-nine?

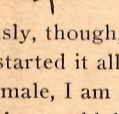


It figures, then, that you are pulling my leg,
And that I'M really just a very old egg —
But who cares? I'll always feel nifty,
Twenty-nine, thirty-nine, or even at Fifty!

Seriously, though, you're a wonderful bunch —
Who started it all? I might have a hunch —
Not a male, I am sure, so it must be a femmy
Who else would deserve my award of an EMMY?

Ed. note: Ed is our Western Division Manager with offices in Menlo Park, California. This timely little poem was sent back in response to numerous cards mailed to honor his "Twenty-ninth" birthday.

Could EMMY be Em Langdon — Dal's secretary??



— GEB

Tektronix Will Host B-E Day Educators

Business-Education Day, a biennial program of the Portland Public Schools and the Portland Chamber of Commerce, has been set this year for April 24. On this day business and industry of the Portland area plays host to the teachers of the Portland Public Schools.

Again this year as we did in 1955, Tektronix will participate in the endeavor to educate and inform the teachers of the problems, plans and projects that have gone into the product of which we are so proud.

Approximately 110 teachers will be assigned to Tektronix under this program. These educators will assemble at Benson Polytechnic High School in Portland, Wednesday morning, April 24. After the assembly at 9:00 a. m. they will meet the Tektronix representatives and will be brought by chartered Greyhound busses to the plant. Here, they will be met by the pre-assigned guides and follow a schedule for the day set up by the Program Committee.

Luncheon will be served to the entire group by the women of the Beaverton Methodist Church.

Division Heads will act as hosts at the luncheon and double as guides for the plant tour. Each will give a descriptive talk to explain the function of his Division.

Industrial Nurses Welcome To Tek

To fill a long felt need, Tektronix has added to the personnel staff two very competent and experienced registered nurses for our First Aid room.

Lucille McLain will be on hand during the swing shift beginning the 1st of April.

Arlene Willcuts will follow her arrival by two weeks and take over the duties on the day shift.

Dr. Bernard will consult with our nurses each Thursday morning on a regular schedule.

Norma Caufield will aid the nurses in becoming familiar with Tektronix, its people and places, and will then move to the personnel office to look after group insurance, the gift fund and other duties. She will replace Yvonne Moran who will be leaving to have a baby.

As soon as pictures and stories on these new personalities are available we will fill in the background.



The February issue of Reed College Bulletin announced the promotion of Jean Delord to rank of Associate Professor of Physics.

Jean has been doing consultant work at Tektronix since June of 1954. Considered to be in the advanced development group, he is advisor to the crt people and other engineering research projects.

Accolade Honors Achievements



Northwest "Management Man of the Year" accepts "Silver Knight" award.

Honored for special contributions in the field of management and civic activity, Jack Murdock received the "Silver Knight of Management" award at the Northwest Management Conference in the Multnomah Hotel Saturday night, March 9. This is the first time such an award has been made in the Northwest area.

In arriving at nominees to be considered for this honor the club searches out the individual's qualifications in many phases of activity. Basically these are:

1. Nominees are selected from the G.P.M.C member firms.
 2. Any level of management to be eligible for award.
 3. Nominee must live by Code of Ethics of N.M.A.
 4. Must be outstanding in contributions to community.
 5. Must have contributed substantially to management in general.
- The Code of Ethics of the National Management Association adheres to the following principles:
1. He should recognize that every man above, beside or below has an inherent desire to do good work and to be a useful respected citizen.
 2. He should keep an open mind on all subjects, and strive to maintain a broad and balanced outlook.



Dorothy Breazile

On March 12, Dorothy Breazile, an employee of Tektronix in the Cable department died following an operation.

Dorothy had been with Tektronix over a year. Her husband, Art, is employed by Bill McCord as labor Foreman and is well known to our people at the plant. A sister-in-law, Mary Breazile, works in the Accessories department.

She was born in Iowa, August 23, 1912. On Sept. 13, 1930 she married Art. They moved to the Hillsboro area in 1942 and for the past 15 years have resided at Rt. 1, Hillsboro.

tain a broad and balanced outlook. He should be willing to recognize merit in another's ideas.

3. He should deal fairly with all his associates in the company. Being in an important position, he should assume responsibility for his own mistakes and refrain from shifting blame to others.

4. He should strive to understand the principles of the business which made for success or failure of industry. He should pass on to his men all the fundamentals of business principles so they can see, for themselves, their own relations to the general scheme.

5. He should keep informed as to the latest development in equipment and processes. He should recommend or put into effect such methods as will produce improved quality and lower costs for his products, and improved working conditions.

6. He must feel that one phase of his profession is to help working people obtain maximum satisfaction from life.

7. He should endeavor to earn, and carefully guard, a reputation for good moral character, good citizenship and common honesty; and he should support and promote all the uplifting influences of the community.

Ted Renshaw, Special Engineering Representative, Lockheed Aircraft Corporation, Marietta, Georgia; President of National Management Association made the award, not only on the recommendation of the Greater Portland Management Club, but also from first hand evidences garnered on a visit to Portland plant. He was a guest here on Friday March 8, and was taken on a tour of the Plant by Henry Haase.

A good representation from Tektronix were on hand for the presentation. Over sixty people from the plant attended. Some of this group are members of the Greater Portland Management Club. Jack Murdock is a past Director of the Club, Henry Haase is at present Area Director for the National Management Association and served as president of the local club 1955-56. Bill Webber acted as a Panel Member at the Conference on the subject "Managing Yourself". The current roster of the G.P.M.C. lists Jack Day, Don Ellis, Henry Haase, Jack Henderson, Ken King, John Liedtke, Bill McCord, Les Stevens, Ken Walling and Bill Webber as members.

Any person of good character who directs the work of another person may join regardless of where he is working or for whom he works.

Tek Talk

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— Maryln Wolever	Field Info. — Will Marsh
Keglers Korner — Don Pratt	

Don't Be A Sucker A Guest Editorial

By Scott Foster



THIS IS A TIMELY WARNING from your friendly Purchasing Agent about a surprisingly successful sucker game that is presently being promoted in the Portland Metropolitan area. Remember, buying is my business, and no one likes to save money better than I; but this racket sounds so good you can wake up to find you have "had it"!

The scheme works this way. You receive a letter from a friend, that you know either socially or through business, telling you about an exciting opportunity to make extra income. Mr. X will call you for an appointment and let you in on this deal, it's terrific! Presently Mr. X calls, very mysterious, won't tell you a thing unless you let him come to the house.

and You do. (Another way to say this is, "you bite.") Mr. X gradually unfolds a tale of pestilence that scares you out of your wits, then with fanfare and drama, unveils the gadget that will do away with garbage, flies, disease, and drudgery. (Wow! That's great! but you've set the hook.) Now, you can have this engineering marvel for just \$\$\$\$! (You probably don't know a good G. E. or Westinghouse sells for over a hundred dollars less, installed, and backed by a reputable dealer.) Furthermore, if you participate in this plan, you can pay for the gadget and make money besides! (P. T. Barnum said there was one born every minute, or was it every second?) All you do (it's so easy) is send in the names of five friends each month; they will receive letters and calls like you did, and it they bite (excuse me)— buy, you get a check for \$5.00 for each sale to one of your prospects. These prospects in turn submit names of other people who are supposed to buy, and you receive \$5.00 for each of these also. That's as far as it goes each month, but this is supposed to continue for 30 months (if your supply of friends holds out.) Even a fool can quickly see that even if half of these people participate, you have a nice little thing going here. Why, you could pay for your gadget and maybe have \$1,000.00 left over! (At this point you are supposed to be greedily fingering your pen to get this thing started.) You have forgotten all about the \$\$\$\$ you promised to pay for this gadget, and the clocklike regularity with which the payment will fall due.) So you sign the paper and give the man the names he wants. He won't come back tomorrow, it's now or never.) You sit back to contemplate your new appliance, along with all that nice folding money.

So friends, you've bought yourself a new gadget. You really have, and the men will come and put it in. No dishonesty here, except it cost you almost twice what it should have. What about all that money? Well here's the bitter truth— you'll get as many \$5.00 checks as the number of suckers you find among your friends, and their friends. How much do you think of your friends? Are they sharp, intelligent? If they are, you won't make a dime. If they are not, **you** have exposed them to shameful exploitation. How many of your friends will be glad you caused them to spend too much money for an appliance they were not prepared to buy? (What do you mean "don't put it that way", how else were you going to get that "extra income?" Your friends have to be suckers for you to make any money!)

Had enough? Well that's not all! If you did sign the paper, then wake up in time, you will get the rude shock that it will cost you 25% of the purchase price to cancel the contract. (Didn't you read all the fine print?) Oh, you won't pay it? I think you will, unless you want to hire a lawyer to fight the case. (Lawyers cost money too, don't they?).....

By now you may be getting the point. You never come out ahead trying to get something for nothing. The encouragement of greed is the basis for all the con games and rackets ever invented, and the toll used by confidence men and unscrupulous businesses to wrest money from surprisingly willing hands. A word of advice if I may..... Never buy anything of consequence on a "now or never" basis. If the man won't come back tomorrow you can be **sure** there is something he doesn't want you to find out. **Always** check unknown firms or products with the Better Business Bureau. (Their number in Portland is CA 7-0646, write it in the front of your phone book where it will be handy.) **Always** check the prices of competitive products. **Never** sign anything without reading all the fine print.

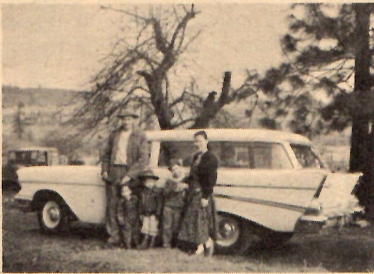
Follow these rules, believe in them! You'll be glad you did. Don't ever be a patsy for a con-man. **DON'T BE A SUCKER!**

European Sojourn Brings Wedding



Just back from a trip that took him halfway around the world to his native Austria, Eb von Clemm, crt happily flashes a brand-new wedding band. After an unanticipated decision, Eb claims to have been just as surprised as all the rest of us— he was engaged on December 26th to Emily Asamer, a girl he had gone to school with and known for 7 years while over in Salzburg, Austria. They were married January 8th. Twice actually, once in a civil ceremony held at Mirabell castle and a second time on the same day at Franziskaner-Church in Salzburg. For their Their honeymoon, they drove to Venice and Vicenza, Italy, where they visited friends from Oswego, Oregon, who are staying over there. The way back to Salzburg took them thru the snowy ski-paradise of Garmisch-Partenkirchen in Bavaria, where they spent a couple of wonderful days. On the return trip, Emily accompanied Eb to Amsterdam, where he had to leave her behind. He flew over the polar route, which made him a member of the 'Arctic Circle Club', to Vancouver, B. C. and from there to Portland. Emily will not be able to follow until she receives her immigration visa, which may take till summer. She will be over here, though, in September 'no matter what' she says.

On the way to Europe, Eb stopped off in New York to see Harry Allison of our New Jersey office, who took him to Dumont's tube manufacturing plant. In Holland he had the chance to see the extensive crt activities of Phillips in Eindhoven, and did not miss the opportunity to spend a day at Rhode & Schwarz, Munich, our representatives in Germany. You certainly did not waste any time on that trip, Eb!



Here's the lucky family! Ben, Steve age 2, James 3, John 7 and Sakie.

LUCK OF THE... IRISH?

The guys in Test 4 are going around asking if anyone would like to touch the hand that touched the hand of the gal with the magic touch, Mrs. Ben Aeby, winner of a Seagreen '57 Chev. Station wagon. Mar. 16th was the lucky day of the Aeby's good fortune. Ben's brother had talked Mrs. A into four donations of \$1 each. Just a pretty yellow slip of paper with black printing on it, and marked with her name, (for tax purposes, no doubt) indication of her gift to the Eagles Lodge United Charity Fund. This gesture was made sometime last fall (date unknown), and forgotten as most of these things are, until a phone call informed them of their luck—on St. Patrick's Day, begorra!

Just To Say Hello

Taking advantage of the fact that Tek Talk will reach many of you before I will have the opportunity to meet you personally, I would like to introduce myself and fill in briefly some of the facts concerning my background.

Born in the wilds of northern Wisconsin on a cold February morning thirty-five years prior to my last birthday, I grew until the farm could no longer contain four busy boys. The family moved to Oregon where I have resided since 1927.

My early schooling was in the public schools in Oregon City. It was at Oregon City High School that I first became interested in writing as an activity.

As with most fellows the next most important turn of events in my life was World War II. U. S. Navy 1942-46, the radio-material and radar schools, Bremerton - Chicago - Stillwater-Ward Island-Boston and then on to a Loran school in the Aleutians.

With high hopes to get started in electronic engineering I attended Reed College here in Portland 1946-47.

However, in the summer of 1947, driven by high paternal instincts to provide an income for my new wife (Doris) who was preparing for the birth of daughter (Susan) early in 1948 I took a job in the Motion Picture industry and thereby wrote a finis to my program at Reed. A further increase in the family, son (Tommy) in 1950 kept the income requirement a prime factor and I continued with the film company until 1956.



The nature of my work in the film business allowed me some use of writing expression in the way of sales-promotion ideas, keeping the showman happy, and general letters of a more necessary nature. During these years I spent some hours at Portland State in night-school and revived my interest in writing by taking a course there in the subject.

Following the demise of the movies as the No. 1 family entertainment my office on film row was disbanded and the old man went looking for new quarters. Tektronix was my first thought as a most desirable place to work and although it took some time—here I am.

My work will be largely in the writing and editing field and with so many interesting things being done around the plant I know I should find a reason to meet and talk with everyone as the days go by.

I appreciate the warmth and friendliness of Tektronix people and hope my efforts will help to keep this wonderful feeling always with you.

Tom Williams

PEOPLE AND PLACES

Recent changes in personnel status

Births

Bill and Maureen Barnes	a daughter	2-28-57
Jim and Jane Zika	a son (first born)	2-27-57
Bill and Barbara Trump	a son	3-19-57
Doug and Mary Prouty	a daughter	3-15-57
Ronald and Veronica Van Dyke	a son	3-19-57
John and Darlene Byerly	a son	1-28-57
Orvin and Carol Olson	a daughter (first born)	2-6-57

Marriages

Charlene Goodman to Donald H. Newlen	3-11-57
Corine Benson (Manuals) to Harold Schultz (Test)	3-16-57
Doug Taylor to Roberta Eller	3-8-57
Lois Hart to Herbert Thompson	2-1-57

Transfers

Robert Newberry from Personnel to Statistician	3-11-57
Dave Spinks from Personnel to Training	2-4-57
Lee Wagner from Cables to Final	3-12-57
Gene Kelsey from Final to Test	3-12-57
Juanita Schenk from Cables to Wire Prep.	3-8-57
Vera Henze from Kit Prep. to Wire Prep.	3-8-57
James Lilly from Access. to Wire Prep.	3-8-57
Dick Millington from Stock to Quality Control	3-15-57
Kate Probstfield from Unit Wiring to Final	3-13-57
Betty Spohn from Unit Wiring to Final	3-13-57
Florine Sepulveda from Unit Wiring to Mech. Assmb.	3-16-57
Roland Brookens from Final to Access.	3-16-57
From Test to Field Information on 3-1-57:	
Paul Hansen, Walter Dederick, Chester Harding, Robert Johnson, Pius Scherr, and Peter Unger.	
James Parsons from Shipping to Test	3-1-57
Roderick Binger from Shop to Access.	3-4-57
Robert Mitchell from Shop to Stock	3-5-57
Allan T. Buckley from Unit Wiring Tr. to Unit W. Group Supervisor	3-1-57
James Tennyson from Trans. to Access.	3-1-57
Jack Tate from Ceramics Prod. to Ceramics Engr.	3-1-57
Ron Goard, Field Eng. from Chicago to Portland	2-1-57
Frank Amer from Janitor to Shop	2-18-57
Howard King from Portland to Long Island	3-1-57
Jimmie Hardisty from Unit Wiring to Final	3-1-57

Within CRT Dept.

Marion Peterson from test to chemical Lab.
Ella Hansen from test to Derroll Pennington's office.
Val Mahaney from aluminizing to test.
Doris Uhrich from gun assembly to test.
Jim Helmer from gun sealing and checking to new gun prod
Lorraine Mercer from Unit Wiring to Phosphor.

Terminations and Leaves

Shirley Dethlefs	Term.	3-11-57
Martha Anderson	LOA	3-11-57
Dale Weber	LOA	3-26-57
Inge Ruestig	LOA	3-14-57
Marge Andrews	LOA	3-18-57
June Myers	Term.	3-15-57

Taken from records furnished by the Persnl. Dept. to the period ending March 15, 1957.

INTER-OFFICE COMMUNICATION
SYRACUSE

To: J. J. Cassidy
From: Scotty Pyle
Subject: Syracuse Office Overload

A good many times in the past I have indicated our office has been exceedingly busy and overloaded with work. The attached picture will give you visual proof. Please observe the following points:

- 1. Receiving order from customer on phone.
- 2. Typing up order on typewriter.
- 3. Adding up charges for repair of customer's scope.
- 4. Although not visible, Ann is making change for the Railway Express man with her right foot!
- 5. She still has one ear not in use, so she is taking dictation from Warren with her left foot and of course the pencil and pad are not visible.

The next time before you request temporary transfer of one of our capable girls, I wish you would take another look at this picture and make some other arrangements!



TEK SCOPE CAPTURES THUNDERBOLTS

By Lloyd Sharp

Si Corn, from our Field office at Albuquerque, New Mexico, brought back the following yarn about a fantastic application of a Tektronix Type 545 Oscilloscope. It illustrates just how important the contributions are which we, yes—you too, are making to the progress of our science and industry.

Last summer, St. Augustine Plains near Socorro, New Mexico, cut loose with its annual violent display of thunderstorms; but not quite as usual. Dr. Marx Brook and associates were on hand with a robot device built around one of our scopes, to record, for the first time, precisely what happens electrically when a bolt of lightning strikes.

Although thunderstorms have been the subject of much study, and volumes have been written about them, the exact nature of a thunderbolt has remained an enigma within a paradox, wrapped in mystery. Why? Because heretofore, measuring and recording instruments have been too dad-burned slow to keep up with anything as fast as lightning. As most people know, lightning is a big electric spark between earth and cloud, cloud and cloud, or some such; but beyond that?

Dr. Brook, Dean of Physics at the New Mexico Institute of Mining and Technology, tried photographic methods with dubious success; and was searching for faster methods when Si Corn happened along and loaned him a Type 545. (This model has two sweep circuits, 'main' and 'delaying', which may be interconnected in very useful ways.)

Let's digress a moment in the interests of those who would like to know more about how an oscilloscope works. If you already know, you may skip this paragraph. A cathode-ray oscilloscope makes electrical variations visible by drawing wiggly lines on a fluorescent screen. It has two main circuits:

- 1. The sweep, which causes a bright spot to appear on the screen and move across from left to right at uniform speed. This speed can be varied from very slow to very, very fast (300 miles per second!).
- 2. The vertical deflection system, which receives the signals that are of interest to the operator, and uses them to move the spot up and down by accurately calibrated amounts. Tektronix scopes are very proficient at these two functions, and hence are much in de-

mand among scientists and engineers.

Now let's get back to our story.

Dr. Brook removed a couple of tubes from the scope, added a camera, clock, motor, relays, light, some switches, and a counter. This contraption, seemingly straight from a Lucifer G. Butts 'Do-it-yourself' kit, he housed in a room made of 12-inch steel boiler plate on top of a 125-ft. tower, and connected it to an external antenna. Two more cameras, one at the tower and another some miles away, and a search-radar unit, completed the set-up. It was entirely automatic.

St. Augustine Plains is unique in displaying a large number of summer thunderstorms, hence is an ideal site for this type of study. A thundercloud builds up—and here is the sequence of events in the steel room atop the tower:

- 1. The antenna picks up the first tentative trickle of static from the thundercloud, and sends its signal to the oscilloscope. This pulse triggers the main sweep, starts the spot of light on its downward course across the screen. (Remember, this scope has been modified somewhat in order to meet the needs of this specific experiment.)
- 2. The 'delaying' sweep, which is set for a much faster rate, makes the spot move horizontally across the screen many times during its downward motion, forming what is called a 'raster'; i.e., several horizontal lines evenly spaced.
- 3. The signals sent out by the build-up and discharge of the lightning stroke reach the antenna and are passed on to the scope during this 'raster', and make the spot jump up and down as it moves across the screen, thus writing several lines of lightning history on the film in the camera.
- 4. As the spot passes off the screen at the bottom, a pulse from the main sweep circuit starts a motor which operates cams and switches which (a) flash a light briefly, illuminating the clock face and the exposure counter; (b) closes the camera shutter; (c) advances the film and exposure counter by one frame number; (d) triggers the shutters on the other two cameras and advances their films one notch; (e) punches a button on the panel of the scope, thereby sending the spot back to its starting point and turning it off; and (f) re-opens the camera shutter. The whole ka-

SCREW CREW NEWS

Doreen Carlson is getting along fine after her operation and long rest at home.
Gil Schuricht is back on days again after being on swing for the past six weeks, training two new men; Albert Puschart and Gerald Eastman, in the art of stacking rectifiers. Welcome back Gil.

Some people just don't know when to take a sun bath and when to burn their skin to a blister. Our own little Nan Cooper is one of those who just never gives up, red face or not. Red face??

CHASSIS LASSIES

Doug Taylor's marriage to Roberta Eller was solemnized Friday evening Mar. 8th at 8 O'clock in Portland. The 'Chassis Lassies' had a surprise shower on Doug—cakes and much fun. It seems when the groom-to-be left work Friday around noon, he had engine trouble, but finally every thing was back in tip top shape. After holding a steady course in Unit Wiring for nine years, weathering all the storms of modifications, new instruments and plant expansions, Kate Probstfield has 'moored' her 'craft' in Finaling, where her experience and capabilities will be used to good advantage, without a doubt. Her 'ship mates' in Unit Wiring (guys and gals) wish her 'smooth sailing' on her new venture, and hope she won't forget to visit her old-home port now and then.

boodle sits and waits for the next stroke of lightning!

This cycle of operation has recorded one flash in detail, the time of occurrence and picture number as its position with respect to the tower.

During the last summer, Dr. Brook collected about 4,000 photographs of lightning flashes by this method, better than half of which were usable. His data have revealed several things about lightning, some of which were un-guessed-at previously.

First off, a lightning stroke is not quite the sudden-Johnnie sort of a thing we might suppose: The cloud has built up a terrific charge of electricity (we don't worry about how), and shoots out a 'feeler' of electric discharge about 50 yards toward the ground. This electrifies the air along this path, leaving it a conductor. About 5 millionths of a second later, another feeler shoots out along this path, and goes another 50 yards; and so on until a conducting path is established nearly to the ground. Then WHAP! A solid bolt shatters the current of millions of amperes flows into (or away from?) the ground. Then the cloud sets about re-building its charge for the next blast.

All these shenanigans send out signals similar to radio waves, but of colossal intensity. Dr Brook hopes to devise antennas which will separate the three types for separate recording, thereby giving more useful data.

Since lightning louses up TV, radio, and other communications, smashes power lines and towers, starts forest fires, and in general raises particular Ned, the more we can learn about it the closer we shall come to taming or diverting it harmlessly.

Dr. Brook's data will be of vital importance to power and communications companies, and may have profound influence on the design of outdoor equipment in these fields. His work may make a significant contribution to the conservation of our forests.

We can be mighty proud of the part played by every Tektronix employee in helping to provide the high type of instrumentation which enabled Dr Brook to carry out this phase of his studies so successfully.

Editors Note— Composition of the material given by Si Corn during his visit from Albuquerque was handled by Lloyd Sharp, test engineering.

Lloyd's physics undergraduate thesis was written on the build-up of dry thunderstorms, and we appreciate his write-up very much, both for the authenticity of the text and the interesting readability of the article.

ACCESSORIES

Beulah Veach was the recipient of a brightly polished red apple, complete with worm. Now has the title 'Teacher' since instructing new gals in the art of assembling accessories.
Al Hand wants a pair of old-fashioned horse blinders. He just can't resist looking up whenever someone passes by, now that he is on the aisle in new quarters at the east end of Assembly II.

Gene Brink has had a cold on her birthday every year for four years. One way of getting out of spankings; Gene—sympathy instead.

There are only two girls in front front row of Assembly III who are married. Coincidence?

Artie Nelson received a beautiful trophy for bowling high game at the Beaverton Bowling Alley in the Tektronix bowling league.

NEWCOMER ? ? ? ?

Overheard of Scott Foster: "If you think we're confused, you should have seen Howard Vollum last week running around in the Shipping department trying to find a door back to the front offices. Paul Belles finally came to his assistance and gave him directions that probably sounded something like— "Straight ahead 3 oscilloscopes, turn left, past the coat racks, hurdle the shipping cartons, and dead a-head." (DON'T snicker - - - - this could happen to YOU!!!)

New Arrivals

Test	
James Manuel	Swing
Willard Kraker	Swing
Dan Delano	Swing
Howard Plaschka	Swing
Carl Jorgensen, Jr.	Swing
Production Tooling	
Donald Hendrickson	Day
Oren Fowler	Day
Finals	
Ernest Curry	Swing
Douglas Beadle	Day
Ralph Clure	Swing
Norman Harty	Swing
Shop	
James Meeker	Swing
Herbert Ross	Swing
Hap Flynn (Tool Crib)	Swing
Virginia Haupt (slk scrn)	Day
Unit Wiring	
Clara Duncan	Swing
Dorothy Stahly	Swing
Margaret Siewert	Swing
Lorna Choate	Swing
Terry Pearson	Swing
Thelma Fischer	Swing
Accessories	
Mildred Deardorff	Swing
Irmgard Jockers	Swing
Stock	
Joseph Hogan	Day
John Fletcher	Day
Robert Perry	Day
Field Engineers	
Robert Browning	
Russell Fillinger	
Field Information	
Shirley Kilcup	Day
Panelcraft	
Richard W. Sether	Day
Kansas City	
Lena Boyd	Secretary
CRT	
Ed L. Cornellis	Day
Mildred Richters	Day



Congratulations were in order to Corine Benson, Manuals, and Hal Schultz, Test, on their marriage Saturday, March 16. Corine is shown above sharing cake presented to her by well-wishing friends. Couldn't happen to a nicer pair!

STRIPING — STRIPPING — STRETCHING

— By Norma Caufield

Wire, that is.
That little corner in the southwest corner of Assy III is devoted to the preparation of wire and cable for the kit preparation, accessory, and transformer groups and cablers.

Four pleasant people greeted me as I rounded the corner to satisfy my curiosity about the machines I could hear operating rythmically. Jim Lilly, who has been with Tektronix for 6 years, mostly with the accessory group; Juanita Schenk, who was in cables most of her 3 years at Tek; the other two, Vera Henze and Joyce Ness were working with Jim and Juanita as part of their indoctrination for work in other departments such as kit prep. I stated my purpose and immediately was properly introduced to the various machines surrounding me.

To my left, as I entered, were bundles and bundles of assorted size and colors of wire, end product of the four machines. The first machine on my right was the stretcher. It was greedily eating bare copper wire at a terrific rate. This instrument of mastication could take any 14, 16, to 22 wire, stre---tch and cut it in required lengths for our instrument assembly.

Next I was introduced to a larger instrument of torture, stretching and cutting covered wire. Chomp, Chomp! Flip, Flip! The ends of the wire were stripped a required length ready for unit wiring assemblers to put neatly in place. No messing around with this machine either. Another time-consuming job mechanized. This machine cuts required lengths from 2" to 8' and from size No. 26 stranded to 62ag cable, for instance. The bundles of 50 are made up by hand at the present time. When Jim pointed out some long lengths of cable over 8' must be made up by hand right now, Vera and Joyce just smiled when I looked their way.

AH! Now the explanation of that queer looking gadget against the wall! An over-sized hair dryer attached to a whirl-a-gig (with spots of various colors) and an out-sized stove pipe. The "Striper"

What started out as a headache for everyone, is now putting out coded wire at 140' per minute in up to three color jobs. Starting with basic colored wire (white, black, yellow, purple, tan and grey) the pots (of the whirl-a-gig) are filled with paint and the striping begins. Blower warmed, pulleys checked, wire traced thru various tension producing set-ups,—action! Plain wire rushes over the pulleys; thru the paint pots, spinning like dervishes; up the chimney and down— 65 feet of chimney for drying purposes; then wound onto the metal reels you see stacked so neatly here and in cable dept. The 'pot' is an intricately designed mechanism which applies a tiny stripe to the wire, with the first code color slightly wider facilitating easy pickin'. Smearing is strictly taboo, so proper consistency is watched closely. The paint is dry by the time it reaches the top of the 32' stack.

The roulette wheel, dubbed 'The Old Goat', is actually a paint mixer upon which two sets of code colors can be mixed at a time. Vinyl color concentrate in crystal form, menthol-ethyl, Ketone CD ink and thinner are used in the mixer for wire striping.

U W days

When you have a friend going to beauty school the least you can do is cooperate and act as their guinea pig, isn't it? Lou Mellinger cooperated until she had George Scott so confused he gave up trying to remember if a blonde or brunette worked at her bench.

FINAL FOLLIES

GIRLS — — BEWARE !!!

Don Pratt has announced his engagement to Cecelia Rech. That large diamond has finnaly found a home!
Bob Wruble recently spent honeymoon in Mexico and California, now spending time at home with— the mumps!

CRT — SWING SHIFT

Around here—swing crt, that is,—we are considering adopting the moniker of “Ailment Alley Association”.

Libbie Getgen was nominated to a membership in the Association when a rather inconsiderate red-light-runner hit her car Tuesday, March 12th. She received a slight concussion and was taken to Good Samaritan for observation.

Marge Claus returned March 25th after a sojourn in Good Samaritan where she underwent surgery - which entitles her to a lifetime membership in the AAA.

Maxine Hoggatt deserted us for a week to consort with a handsome(?) flu bug. The attachment wore thin, however, and we have her back. The flu bug flunked his membership exam, but Maxine passed hers with flying colors.

A very belated ‘Welcome Back’ to Mary Lou McClary. It seemed so natural to have her back again that we almost forgot that she had been away. She rejoined us in January after presenting her husband with a baby girl, Mary Jeaneete, on Christmas day. Needless to say, Mary Lou received a lifetime membership.

Prospective members for the Ailment Alley Association, include Ann Sullivan, Rose Duane, Ruby Hutchison and Karn Hayden. They have been faithfully trekking to Mt. Hood each weekend in an unsuccessful (so far) attempt to qualify for the Assoc. Assorted bumps, bruises, sore muscles, strained tendons, and frozen toes are not quite sufficient for eligibility for the Alley. Keep trying, girls,— any ol’ broken bone will do!

Day shift would like to add these candidates for AAA. Marge Earlywine, who is back in the Phosphor Room after having been gone since Christmas. She spent some time in Providence Hospital but is feeling fine now.

Barbara Schwerin, who was in St. Vincent’s Hospital, but is back on the job in Testing. She came back March 14, after having been gone since February 8th.

Also, Lou Bride, whose smiling face is seen in crt again. He came back March 13th after his sojourn in St. Vincent’s Hospital.

SHORT CIRCUITS

Unit Wiring Assm. II — Night S.

Income tax time is here again and people have evidently been so busy with their tax forms they haven’t had time to make news! However, we had a few incidents that we’ll endeavor to report.

Maxine Calhoun and Marlene

Conklin left us March 29th to see some bird about something — oh yes, it was the **stork** they were to see about — well, shucks, you know! We will let you know the outcome. Best of luck to both you girls.

There have been so many transfers to days these past few months and so many new people have come in that it is almost impossible to keep up with them. We always miss the people that leave and are always happy to welcome all the new people.

Mollie Veale was gone for three weeks, one of which she spent in the Emmanuel Hospital for surgery. It’s sure nice to have our Nestle’s commercial singer back with us.

That’s about it from the Nite Owls this time. We’ll leave you with this little thought from James J. Metcalfe’s, “Who Work At Night”.

“... But they deserve a lot of thanks, And all the praise in sight, Because they keep the world alive, Through-out the weary night!”

CRTeezers

The gals in small parts, crt, were very pleasantly surprised on Tues. morning, March 12th, when Twylah Stewart, one of their members, brought each of them a beautiful ceramic cup she had made for them in her ceramic studio in her home.

They are large barrel shaped cups and each of them has a cute cartoon and witty saying on it connected with some joke or comment concerning each girl. It was a complete and wonderful surprise to all. The cups have been on display in the small parts room and have been viewed by many.

WIRE TERRIERS

The Wire Terriers had a skating party at Shute Park in Hillsboro which we hope will be only the first of such family get-togethers. Had a fine turn out and some turned upside down!

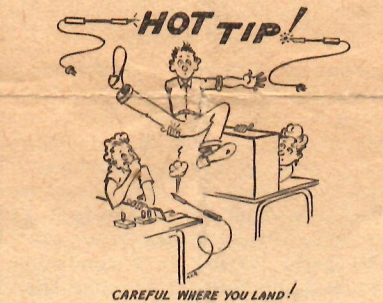
Among those attending were Ted Buckley, his wife and daughter; Charlene Newland, husband and daughter; Eleanor Brunswick and Opal Barth (should have received a prize for keeping in tow the branches of their family trees.) Peter Teher, who gave us an exhibition of Hungarian style skating which was quite similar to our own—his company was enjoyed by all. Elsie and Roger Blatter, who are so enthused they intend to go skating every Sunday as a family affair. Ruth Wagoner was there with her two oldest children (baby 3½ months, but too little for skates). Helen Moser with friends, and Marie Mayer held up her young sister for a few rounds. Carol Turnage came with her children and surprised everyone by not falling. Pat Lowry and three little gals were there. We noted Icel Schroeder came but didn’t venture out on the floors.

PURCHASING PATTERN

We trust that all the wives are already “in” on this bit of news, so we’ll let it be known that on the eve of March 14th, 1957, Cal Bjerke, Dick Borts, Paul Tripp and Dick Tollisen attended their Industrial Purchasing class at Portland State to take their finals for the semester. Since it was right on their way home (so they sez) and they all assumed they passed with flying colors, the boys decided to celebrate the big event by stopping in at the Club Portland to catch the floor show. The floor show just happened to be Little Miss Sparkle— y’no, the one that’s always perched on the edge of a glass in the newspaper? She got off her glass long enough to provide excellent entertainment and the fellows really enjoyed themselves. Yesssirreeee, this Higher Education is really something !!!

Purchasing department has joined the trend toward bowling for relaxation and after a hard day over their calculators they stop in at the Canyon Bowling Alley and lob a few this a-way and that-a-way. Jim Morrow almost decided to give up the sport after guttering five in a row one nite. However, last week he was high man so his attitude (and score) has changed. Jean Kay and Betty Whiting are excluded from this see-lect group since they get higher scores. (A-har, har.)

With Purchasing’s acquirement of additional footage also some new faces to fill up the space. Otto Zach will be working with Bill Ebelmeyer and Don Confrey, purchasing local supplies and this ’n that. Ted Woodhouse is now doing the scheduling for Ceramics, Transformers and the other various “Tek Mfg.” departments. Purchasing now numbers twelve and if we get any more it’s going to be difficult to feed us all on only one birthday cake. Anyone for cookies?



SHIPPING

Guided Tours through Shipping department can be arranged, for a slight fee, any second Tuesday of the week, as shipping department is having its share of remodeling and tactical maneuvers along with everyone else. All this has prompted some other ingenious ideas:

They are in the market for two trained chimpanzees to read serial numbers on instruments stored near the ceilings, must not be afraid of heights. Parachutes available or can use ‘Handy Jack Stair Stand’ if space permits. (Ev, of Flying Tiger Airlines, has indicated they would transport said chimps, if properly caged, for a slight 100% above average rate. You should see what one free-moving, freedom-loving, unleashed monkey can do to a transport’s cockpit!!)

They are also offering to run a ‘lost and found’ department for lost girls. Will treat gently and guide to proper entry. A supply of headache pills and crying towels kept on hand.

SCIMAREC

Softball! Harbinger of spring! Ceramics boasts four top players and conversation is spiced with sandlot phrases. Montie Wallis, Joyce Braukman, Janet Ruhlman and Janet Hoodenpyl make up the foursome and we’re looking forward to some top-notch playing this summer. If you are interested in softball, you should see one of these gals— Tek ought to have enough players to make up a fine team.

Inge Stromberg is busting his buttons over his Hillman Minx, little English car.

Everyone in Ceramics can be identified by the ‘Blue’ look— new shop coats for everyone.

Rose Peterson’s postponed vacation to visit her son (when she slipped on some soup that was spilled last fall) was termed ‘earth-shaking’ in her descriptive vernacular. You guessed it, she was in San Francisco during the earthquakes.

Two of the gals have had forced vacations. Collette Herrick because of her children’s illness, and Esther Johnson, who can’t blame it on anyone but herself. Esther has been off for several weeks and is missed very much.

Donna Rohrer Richardson is leaving to be with her Air Force husband in Spokane. Spokane’s gain, Portland’s loss, we say. Ours, too!



John Whiteside Carrol Wright
— Maple Mashers of The Month —

And the maple fell something like this: John’s score, 211-180-195—726 with handicap. And Carrols; 200-155 -212—678 w/handicap.

This ‘grudge’ game should have been State Tournament play when that maple-mashing crew from Shop really banged the sideboards at the Beaverton Bowl(ing alleys) in February. The counter-challenging team from Engineering hoped to make them ‘eat’ a few pins (with A-1 Sauce, that is) but here are the results—all scratch:

Shop		Plant	
Bob White	519	Don Pratt	552
Ash Ashenbrenner	637	Slim Sorenson	540
Ernie Annas	552	Frank Thomas	505
Lee Miller	568	Bill Wall	555
Will Johnson	592	Armon McDowell	565
Total pins	2878	Total pins	2717
Team Average	191 plus	Team Average	180 plus

Ash’s games were 214-235-188

The winning Class A team at the State Tourney this year was 2871 — it looks like we have some champions!

Miller Duris, (capacitors) really knocked them dead at the “State” meet in Salem in Feb. And believe me the wood was really falling hard. He shot 625 in Class A Singles, to come in 8th. He was holding his own in All Events too, which was 515-552-625 for a 1692 which wasn’t quite enough for big money, but real good shooting.

Bob White (plastics) also was in the money at the Tournament, he hit 610 in Class B singles to come in 12th, which is real good too!

Gale Sickler (receiving) was in there pitching too, he rolled 573 in Class B Singles to come in 58th.

Will Johnson (shop) also did himself real good, he didn’t win much money, but it sure was good shooting! At the State Tourney he shot a 183 triplicate in Class A Singles.

CLUBS and CAPERS

FOR PROS OR DUFFERS

Tek Golf Season opens April 23rd at 4:00 P. M. Husbands, wives or friends are welcome to participate in the ninehole starter game. A group of interested golfers met and, acting as the committee, completed arrangements for the opening game. There’s a ‘once-a-month’ game and End-of-the Season’ Tuornament anticipated. Sawyer’s has sent us a challenge, which is hoped will be met in early summer. If enough interest is shown, lessons will be loked into (for wives, etc., too). Handicap Committee is Jim Peabody and Hal Busch.

COME AND HAVE FUN! YOU ARE VERY WELCOME!

Rockhounds

“The Rockhounds”, a new group with a common interest in the out-of-doors and geology in particular, met in an organizational meeting at the Cedar Hills School Friday, Mar. 15 at 7:30 p. m.

About 30 people attended the first get-together. They intend to have monthly meetings hereafter on the second Friday each month at Cedar Hills School. New officers for each meeting will be selected from the roster. The Secretary, Helen Solem, will continue to serve for an indefinite period.

Membership is open to all employees of Tektronix.

Radio Amateurs Club

On March 2, 1957 the club’s first formal meeting was held. At this meeting the club officers were installed. At this meeting we had a fine guest speaker in the person of Edward F. Conyngham, W7ESJ. Connie is the Section Communication Manager of the ARRL Communications Department. Connie gave us an interesting talk on the history of Amateur Radio and its only organized representative, the American Radio Relay League. This meeting was concluded with the serving of refreshments. The club wishes to express its thanks to W7ESJ for giving his time to help get this club under way.

Plans for the near future include code and theory classes, the acquisition of a Station License, and Field Day activities during the coming year. Look for an article next month with more about our plans for Field Days.

Through the efforts of Chuck Mallison the club has been fortunate enough to have available a five kilowatt gasoline driven generator for its Field Day activities.

The Tektronix Radio Amateur’s Club is open to all employees and members of their immediate families who are interested in Amateur Radio or other electronics projects. Any interested persons are encouraged to contact any of the club officers for complete details.

Regular meetings are held the first Saturday of each month.

Club news may be submitted directly to the Editor or through a group reporter.

ASSEMBLY II — Days

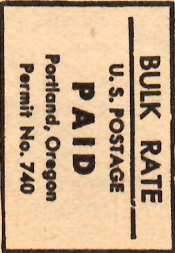
It wasn’t Marianne sifting sand at Seaside, it was Pat Huddleston; along with Nancy Berger and Luaranna Mellinger. They spent the weekend ‘dear’ hunting and if their smiles are any indication of their luck, I’d say they found their game!

Margaret Garrett is wearing a beautiful diamond on her 2nd finger, left hand. Ralph Livermore, finals, is the lucky guy!

A group of girls from the day shift accepted a bowling challenge from the Night-owls on a recent Sunday afternoon and took 2 of the 3 games. They are eagerly awaiting a rematch. Evelyn Meyer led the winning team and Helen Moser was high for the swing-shifters. Evelyn, Nancy Berger and Artie Nelson recently bowled 200 games again and received pins to prove it.

Starting in April, there will be one birthday party a month, with all claiming an added year, sharing honors.

Francis Frost
439 Prospect Ave.
Manhattan Beach, California



WHERE DO YOU REALLY LIVE?

To that oft repeated phrase that gives the postman his laurels as the conqueror of adverse weather should be added "... and wrong addresses." Tek Talk evidently is not getting thru to some on the mailing list. Be sure your address is correct... who knows, you might want a check mailed to you someday. Mailing date of Tek Talk is posted on Bulletin Boards throughout the Plant. If you don't receive yours, or if you hear of someone who doesn't and have mailing address correct — let us know. The mail must go thru!