

## BEAVERTON LIBRARY AIDED BY TEKTRONIX BOOK COLLECTION



Bill Webber presented the Tek Foundation gift toward purchase of books for the science section of the new Beaverton Library. Burt Avery, Transformers, received the check while he and Tek Jaycees, Don Pratt, Bob Hart and John Byerly posed with the collection of books donated by generous employees from their homes. Jack Day leafs through an interesting volume. Jack has been selected to serve on the committee that will make recommendations to the Beaverton Library Board on the purchase of new books.

## Baltimore Report ETERNALLY—The Female



from: *Personnel Psychology—1957 Women in Industry*—by B. Von Haller Gilmer

There have been studies which show differences in attitude of men and women which affected production. For example, during the last war, research indicated that eye-strain could be reduced by blue-green lighting. Such lighting was installed in one war plant. The result was that the output of the male workers increased. There were many comments about less eye-strain from the men. Their attitude was very much in favor of the new lighting. But with the women employees, it was quite different. Output fell off, absenteeism hit its highest peak. Their motivation for production was gone. Why? Because the women felt that the new type of lighting made them look ghastly, which in fact it did.<sup>21</sup>

<sup>21</sup> McGregor, D. and Knickerbocker, I. Industrial Relations and National Defense:

## Dad's Day at OSC

Tektronix instruments took part in the annual Dad's Day activities this year at Oregon State College. They were part of an Oregon electronics manufacturers' show which included such familiar names as Morrow Radio, Electro Measurements and Osborne Electric.

Large numbers of students brought their dads along to operate and watch the 535, 570 and 575 and to peer into the innards of the compact 310. The 575 maintained its standing as king of shows as students and instructors brought favorite transistors to see the characteristics displayed on the screen.

Other activities of the day included a panel discussion on the type of engineer required by industry and a luncheon talk by Professor Stone, head of the Department of Electrical Engineering. Tektronix was represented on the panel by Bill Polits of Engineering.

The Tek instruments were demonstrated by Vic Fricke, Rolly Smith and Fred Tinker with assistance of Comp Compton of Hawthorne Electronics.



Will Marsh was there!



Fred Tinker — The Thinker!

## POWER SYSTEM INSTALLED IN PLANT II

Power for Plant #2, the new instrument manufacturing building nearing completion, will be supplied from Portland General Electric's St. Mary's Substation over a three wire aluminum cable equivalent to 4/0 copper wire. 13,000 volts electrical energy from the power pole is fed by underground cable in conduit to a concrete platform near Jenkins Road. Sufficient slack in the cable has been allowed at this point to eventually install an automatic switching arrangement for power from two sources in the future when a second source of power is available.

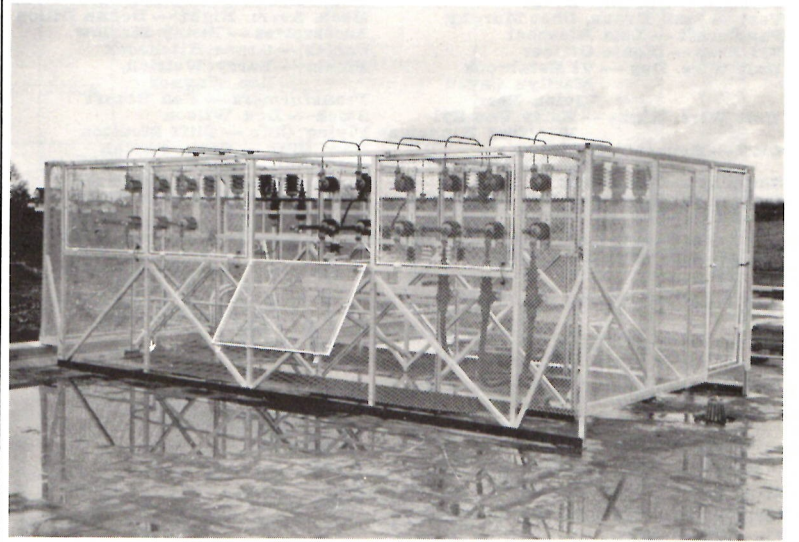
Two conduits lead from the concrete slab, underground, to a point about 60 ft. south of the northeast corner of the building. One conduit carries the present power, the other may bring in power from an auxiliary source at a later date. At this point the power is carried by cable to the roof where a high-voltage switching station has been installed. Current transformers, Potential transformers and disconnects have been mounted here to isolate any power difficulties between the plant and the main line.

The 13,000 volt source feeds six local unit substations of 500 KVA each. Four of these are located at the near corners of modules #1, #3, #2 and #4. Being closely coupled, the efficiency of transmission is good and of course the amount of copper conductor required is kept at a minimum. The other two units are located at the east end of the main corridor between units #5 and #6. Keeping power units close to the central plumbing facilities will help insure permanency of the cable installation in event of future rearrangements for space usage within the building.

A special galvanized steel self-armored cable is used for the transmission of the high-voltage to the substations. Known as Okalite, the 15 KV rated cable feeding power to the new Tektronix plant has been user for the first time in an installation of this kind in the State of Oregon. Henry Haase Tektronix engineer who engineered the power system, obtained approval for its use because of the nature of the installation. The steel beams that support the roof form a natural cable ladder. The cable comes in from the roof switching station and passes through the space between the roof and ceiling to each distribution point. (With 13,000 volts aloft it won't be advisable to probe the ceilings with a drill!)

Each distribution unit has fused protection in the primary of a three phase dry type transformer as well as a load break switch. The secondary, or lower voltage side is equipped with circuit breakers. Power "hum" is reduced by rubber mounts which hold the unit off the floor. Excess heat is carried off through a vent to the roof.

Voltages supplied are arranged so that the units installed in modules #1, #3 and #5 have 120 and 208 volts on their secondaries and from modules #2, #4 and #6 the voltage is 277 and 480 volts. Heavy power requirements are taken care of by the 208-480 sources. Lighting is handled from the 277 volt source and other low voltage requirements are supplied from the 120 volt lines. This isolation of lighting and low-power requirements from the 120 volt line was incorporated in the design primarily to aid the TEST

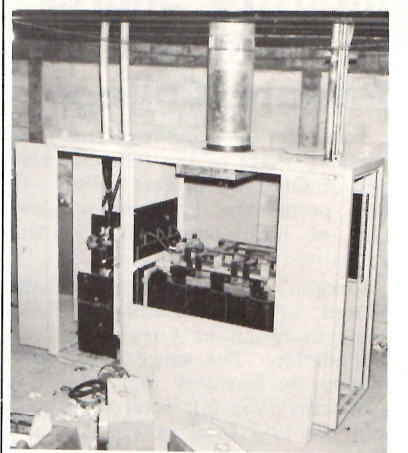
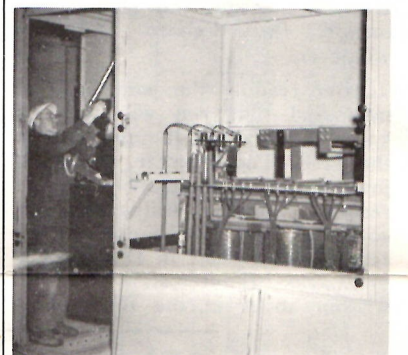


High voltage switching station located on the roof over Unit #1 of the new plant building. Cable from this station enters between ceiling and roof and carries power to individual units mounted on the floor below.

Clarence Konsella, Electrician, works on wiring up one of the switch stations. There are six of these in plant area. Another 1000 KVA unit will be mounted in Boiler Room building to supply power requirements of the heating and air conditioning systems.

Department and more efficient copper use for heavy loads. Any distortions in oscilloscope patterns can be traced and corrected more easily when the power source is not disturbed by changes in loads from such a variable thing as lighting.

Lighting requirements for the massive building have for the most part been resolved by the use of a specially designed tube-type ceiling fixture that can be produced locally. Basically, a cool-white light is necessary to obtain the contrast which is important in work using color coded wires and components. Using this prerequisite, light requirements will be measured and supplied for each area. A conventional 60 cycle frequency system is used. Higher frequency systems which offer an improved efficiency could not be justified in our low-cost power area.



Individual Power Unit

## West L. A. Field Services Noted



Jim Cook

Chief Test Engineer Don Conroy of the Bermite Powder Company in Saugus, California took the time recently to write Tektronix about the excellent service our Field Engineering staff has given them.

Bermite Powder does contract work for all government agencies and they have never had an instance whereby anyone could complain of their measurement technique or equipment.



Fred Butler

Jim Cook and Fred Butler of the West Los Angeles office have given a lot of their time to train people at Bermite in the use and proper maintenance of our instruments. We know there are many more pleased customers served from our offices; it is nice that a few of them take time out to let us know how much they appreciate the attention given them.



# Tek Talk

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## EDITORIAL STAFF

Editor — Tom Williams

Composition — Gisle Borlaug

Photography — Ed Egan

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Departments are asked to notify the Editor if Reporters named are not currently correct.

## Pamphlet Advocates Freedom

"Who is a Libertarian" by Dean Russell is a pamphlet prepared by the Foundation for Economic Education.

A number of these have been placed in the information racks around the plant. The beliefs which identify a libertarian—as defined by Dean Russell—are not the vogue today. And in their absence grow and thrive the opposite beliefs—label them state interventionism, Socialism, Communism, Fabianism, Nazism, Facism, the planned economy, the Welfare State, or whatever.

After reading the pamphlet you may find that you will want to know more about the program of the FEE. The Freeman, a monthly journal of the foundation may be received for the asking. A few copies of this will be placed on a return please basis in the information racks. If interest in the ideas written about in the foundation's

*Who is a  
Libertarian?*  
DEAN RUSSELL



THE FOUNDATION FOR  
ECONOMIC EDUCATION, INC.  
IRVINGTON-ON-HUDSON, NEW YORK

journal and studies seems to be high, more copies of the monthly journal will be made available. A person may of course on an individual basis write directly to the foundation. Services offered depend upon voluntary financial support of individuals, businesses, and grant-making foundations.

## Industry Shares Financial Aid To Private Colleges

Industry is shouldering an increasing share of the financial burden of Oregon's private colleges to help perpetuate the American system of both public and private education.

Oregon's 10 private colleges have shared in gifts totaling \$475,387 since inception of Oregon College Foundation. The surge in support, mostly by business and industry, spans the 1951 gift total of \$21,000 and the 1957 total of \$151,558.

Increasing industrial support affects 464 private colleges with 1956-57 enrollments totaling 442,325. Others in the northwest, besides Oregon's with 6,883 enrolled, are Washington's eight with 9,830, Montana's three with 1,507 and northern California's eight with 8,690.

Private colleges—vital to our way of life—face greater problems than tax-supported institutions in the seam-busting years ahead.

Other principal benefactors—alumni, churches, parents and friends—are advised by Grant Cosgrove, the Oregon foundation's executive director, that ".....your gift is a powerful stimulant to corporate giving."

Oregon schools participating in the foundation program include Cascade, Lewis and Clark, Multnomah and Reed colleges and university of Portland, all in Portland, and Linfield College, McMinnville; Marylhurst College, Marylhurst; Mount Angel College, Mount Angel; Pacific University, Forest Grove, and Willamette University, Salem.

**Remember:** Your gift to any recognized educational institution can be doubled. Deliver your money or check to Bill Webber or Don Ellis. The Tek Foundation will match the amount.

## AFTERGLOW

**One Year Ago Mar. 1957—** According to Scott Foster—Howard Vollum got lost around the Shipping Department trying to find a door back to the Front Offices.

First meeting of "The Rockhounds" was held in an organizational meeting at the Cedar Hills School Friday Mar. 15th. About 30 people attended with their interest in "Out of Doors" and Geology in particular.

On Mar. 2 the "Radio Amateurs Club" held their first formal meeting. W7ESJ helped organize the club. Regular meetings will be held on the first Saturday of each month.

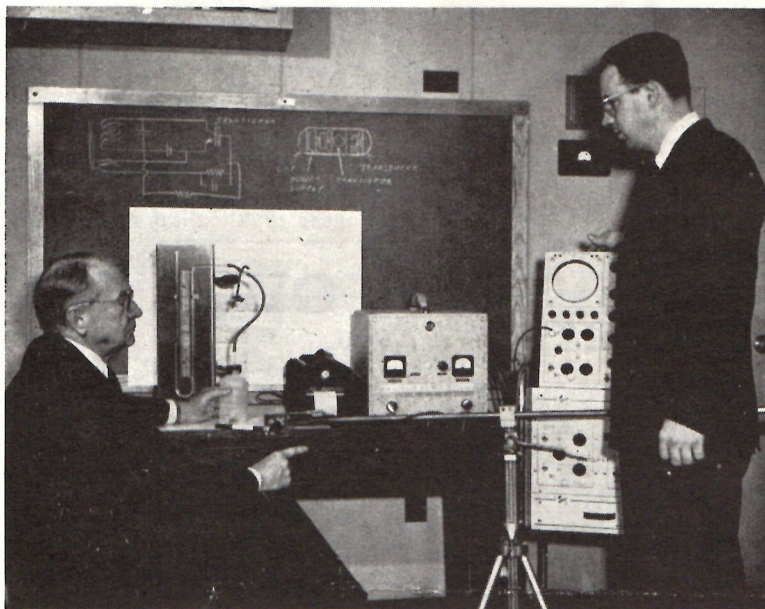
**Three Years Ago Mar. 1955—** In the last year \$300.00 profit was made on cigarettes and this money was used to send children to summer camp.

**Five Years Ago Mar. 1953—** Heralding the biggest annual event to the electronics industry, The IRE Show at the New York City Armory with an attendance of over 40,000 on March 21-24, Tek's Engineering Department assembled the largest group of new instruments that we have ever shown in a two booth display. Displayed were the 541, 545, 53K and 54K Plug-In unit, the 532, the 53E and 53G Plug-In units, the new 360 indicator unit, the 160 A Power Supply, the latest 310 scope, the Type 570 Characteristic Curve Tracer, the improved version of the 524 D which was tabbed 524AD.

Howard Vollum received an award as a Fellow in the IRE on March 23rd in New York City.

Tektronix Foundation's most recent gift was \$10,136.25 to Oregon State College representing one-half the cost of a Mass Spectrometer for useful research in the Field of Chemistry and Physics.

## Scope Aids Radio Pill Research



Performing a pressure calibration on the pill. Dr. Zworykin (left) observes output signals as he applies an increase in pressure to the pill by squeezing the plastic bottle containing it, pressure being measured by the manometer connected to the bottle. The receiving antenna can be seen just in front of the bottle. Dr. Farrar is at the right, with his hand on the familiar instrument mounted on a gleaming Scopemobile.

Scotty Pyle of our Syracuse office sent in the clipping and illustrations from this article written by H.E. Haynes and A.L. Whitchey of Industrial Electronic Products—Radio Corp. of America, Camden, N.J. The article appeared in the Syracuse Scanner, news organ for the Syracuse section of the IRE. It should be of interest to all Tekes for at least two reasons. Dr. Farrar is one of our good customers at New York Veterans Administration Hospital and a Tektronix oscilloscope is used in the set up to monitor signals from the "Radio Pill".

The complete article is available at Tom Williams desk in Personnel for those who wish to know more about the circuitry involved.

### The "Radio Pill"

There have in the past been approaches to measuring pressure variations in the human digestive tract, using probes involving connection to external apparatus by wires or flexible tubing. While this work yielded information of considerable value, it left much to be desired. Foremost was the difficulty of exploring remote regions, particularly the small intestines and proximal colon, while discomfort, interference of the apparatus with normal body functioning, and limited response speed in some devices were secondary shortcomings.

Wireless communication from inside the body would have been the ultimate, but was hardly realistic to contemplate using vacuum tubes. Dr. V.K. Zworykin of RCA and the Rockefeller Institute for Medical Research, and Dr. John T. Farrar of the New York Veterans Administration Hospital, recognized the great potential value of such a pressure-sensitive "radio pill." Further, they believed that with transistors it might be possible to build a transducer, transmitter, and battery into a unit small enough to be swallowed. From this background a cooperative project of the Rockefeller Institute and Industrial Electronic Products Division of RCA in Camden was initiated late in 1956, which has led to realization of a successful "radio pill" system. It has been an excellent example of collaboration between workers in two scientific areas, yielding results which would have been extremely unlikely if either had been absent.

Initially, the detailed nature of the pressure environment which the pill would experience in heretofore inaccessible regions of the tract was unknown. Effort was, therefore, directed toward achieving a workable system as quickly as possible, so that further development could profit from a more complete knowledge of the problem. Accordingly available components were used where possible, and the ultimate in miniaturization and performance reserved for later versions; the design evolved thus has plenty of room for growth, or perhaps more appropriately, shrinkage.

The objectives adopted can be rather simply stated. It was desired that the pill not exceed one centimeter in diameter and three centimeters in length, that pressure variations at rates of one to 50 cycles per second be faithfully recorded, that a maximum pressure amplitude of 50 cm. of water, peak-to-peak, be accommodated (about 5 per cent of atmospheric pressure), and that at least 12 hours of continuous operation be provided.

A straightforward approach was taken. A pressure transducer, comprising a flexible diaphragm and a variable reluctance magnetic circuit, frequency-modulates a transistor oscillator in response to pressure variations. Electromagnetic coupling between the magnetic circuit and external pickup coil or antenna communicates the signal to a sensitive f-m receiver, whose output is in turn recorded by a chart recorder. Power for the oscillator is supplied by a miniature rechargeable cell within the pill.

With scarcely one-eighth of a cubic inch in which to build a complete self-powered f-m broadcasting station, first priority was naturally given to simplicity. Electrically speaking, the entire pill comprises only seven components; the variable inductor, a transistor, two capacitors, two resistors, and the battery.

### ANSWERS TO TAX QUESTIONS

1. Tektronix paid in excess of \$70,000 in Unemployment taxes to the State of Oregon in the last fiscal year. An additional amount close to \$20,000 was paid in Federal Unemployment taxes and to other States where we have field offices.

2. The answer to the second question is of course "0". Employees do not contribute to the fund although it is solely for their benefit.

An interesting note on this subject: During the entire year July 1 1957 to June 30, 1957 not one claim was made by former employees that was chargeable to Tektronix's Unemployment Insurance account.

Owing to the unemployment conditions in Oregon during the past year, Tektronix payments into the fund will be still higher this year.

## Women in Science

The Philadelphia Field Office sent us the following clipping of a news release that gives us a good example of one of the many applications and uses of Tektronix oscilloscopes. The story should have a two-fold interest to our women readers. The Paoli Research Center is serviced by Chris Christensen, Bill Ewin, Dorothy Bennett and Ann Elliot.



A Tektronix Type 535 is used here by Lucille Mott, mathematician and design engineer of Burroughs Corporation Research Center in Paoli, Pennsylvania. She is checking the efficiency of a section of a giant electronic computer at the Research Center.

During the depression years a little girl used to sit on the beach at Atlantic City and draw childish designs in the wet sand.

The same girl is still drawing designs—but they're a far cry from her funny little sand pictures.

The girl is Lucille Mott, daughter of a former owner and operator of Atlantic City's Traymore Hotel.

Today she is a topflight mathematician and heads a group of scientists and engineers at the Burroughs Corporation Research Center in Paoli.

### Basis for Secret Devices

Her designs—done on a drafting board now instead of a beach—are the basis for a number of secret and highly technical devices built by Burroughs for SAGE, the U.S. Air Force continental air defense system.

"Lucy," as she is known to her co-workers, and the eight men she supervises are responsible for the logical analysis of the complex computers—the high-speed electronic brains—developed by the firm.

The "logic" of a computer is the sequence of steps it takes in solving a problem. Burroughs' large-scale computers are capable of handling up to 136,000 mathematical steps per second.

None of the eight men in Lucy's group had ever worked for a woman before. But the team functioned harmoniously and Lucy reports there was no "fight of the sexes" among its members.

"I don't think men in this field mind having a woman boss if they respect her technical ability," she said.

No one doubts her ability.

### Sees No Female Monopoly

Although she is a good example of how more and more women are entering technical fields, she doesn't think the time will ever come when woman will monopolize the electronic sciences.

"You might say we are invading this new technological industry," she remarked, "but the number of women employed has only increased proportionately to the expansion of the whole electronics field."

No stuffy intellectual, Lucy finds recreation in skiing, sailing, shooting rapids in a canoe and listening to Dixieland music. In school she played basketball, managed the baseball team and even had the lead in an all-girl presentation of a Gilbert and Sullivan operetta.

"I sang bass," she said with a grin.



## TWX TELLS A TALE



Eleanor Ross in our TWX Room.

One of the great needs of a customer-minded corporation like Tektronix is continual communication with Field Office personnel and customers. Urgency is many times the determining factor in how communication with them is handled. Sometimes a letter, other times—a telephone call or telegram is used to relay awaited instructions, confirmations, etc. to distant points. When a confirming wire or teletype message is indicated, contact is made with the TWX room and full-time TWX'r Eleanor Ross.

### Eleanor, "Old" hand at Tek

Eleanor has six and one-half years of Tektronix training; four of them were spent in Unit Wiring. "Assembly experience was a great asset for my present work," said Eleanor. It helps her visualize parts requested for hurried replacement in an inoperative scope. She is able to route requests for information to the right party because she understands the pattern of oscilloscope manufacturing.

### A Marketing Division Function

The TWX room is located at the present time in the Marketing Division's office area, just a jump and a holler away from the elbow of Dal Dallas, Byron Broms, Will Marsh, Ron Goard and Ed Kellogg, and connected by telephone to Engineering, Production, and Administration functions throughout the plant. The room is conditioned to reduce the noise level by having a carpeted floor, acoustical tile ceiling, and fibreglass insulated walls covered with a rich brown sack cloth.

### Automatic Tape Transmission

Equipment includes two teletypewriters. The teletypewriter (TWX) is a machine we rent from the Bell Telephone System which transmits the written instead of spoken word in a two-way long-distance conversation. It is much more personal and satisfactory than the telegram, since it is speedy and no third party is involved. Long distance connections (between TWX points) are made by the Bell operator, then the TWX'rs are on their own. Typical situations such as conference calls occur when someone wants to talk to several people simultaneously. This setup was used by Dal to inform our Field Offices of the stock gift on December 31st.

The keyboard of the TWX, altho similar to a typewriter, has a different character arrangement that leaves the novice with his little finger wondering what his thumb is doing, after typing on a standard typewriter. Sometimes things come out looking like..... DON'T SNILE— SMARL! One teletypewriter is equipped to cut a tape—actually a paper with punched holes instead of letters. This operation can be done while another message is being received, during transmission, or on an off-line basis, just by pushing a few levers to cut out the tape cutting circuit. The tape can be easily corrected if there are mistakes and can then be transmitted at the speed of 60 words per minute. The TWX cannot be manually operated over about 50 wpm and as so many technical terms and num-

bers are used, the tape is more expedient, accurate and economical.

### Overseas Calls Handled

Eleanor talked on her first overseas call recently (this is called TEX to indicate an overseas call), when she handled a communication for the export department with our representative in Koeln, West Germany. This overseas TEX call was handled by RCA Communication overseas network to New York and Bell Tel to Portland.

A WUX or Western Union transmitter and receiver for regular wire service and to destinations not served by a teletype is also in the room. You can imagine that someone working over a hot keyboard would have difficulty answering the phone at the same time. To solve this little dilemma; and make it possible to query people in the plant for quick answers to a TWX message, Eleanor uses her speaker-phone (sounds like she is in a well). By the use of this gadget she can converse with anyone who can be connected by phone—and do it, "no hands".

### Business Tempo Felt

The traffic in messages allows her to know a little bit about a lot of things occurring nationally. She says that, in a sense, she experiences the tempo of enthusiasm over business activity and feels a particular closeness to the Field Office personnel and customers. Whatever the message: shipment delayed, parts expedited, technical information, availability, price quotations, or service requests, an effort is made to get the correct information immediately. Other important messages are handled, like: What's the Profit Share? How many scopes were shipped? and tell Blanche Cook we had a baby boy! (Eleanor explained that such ad libs are easily interjected into other transmissions by proper timing and rarely add to the cost. At 60/wpm a lot can be said in a three minute time slot.)

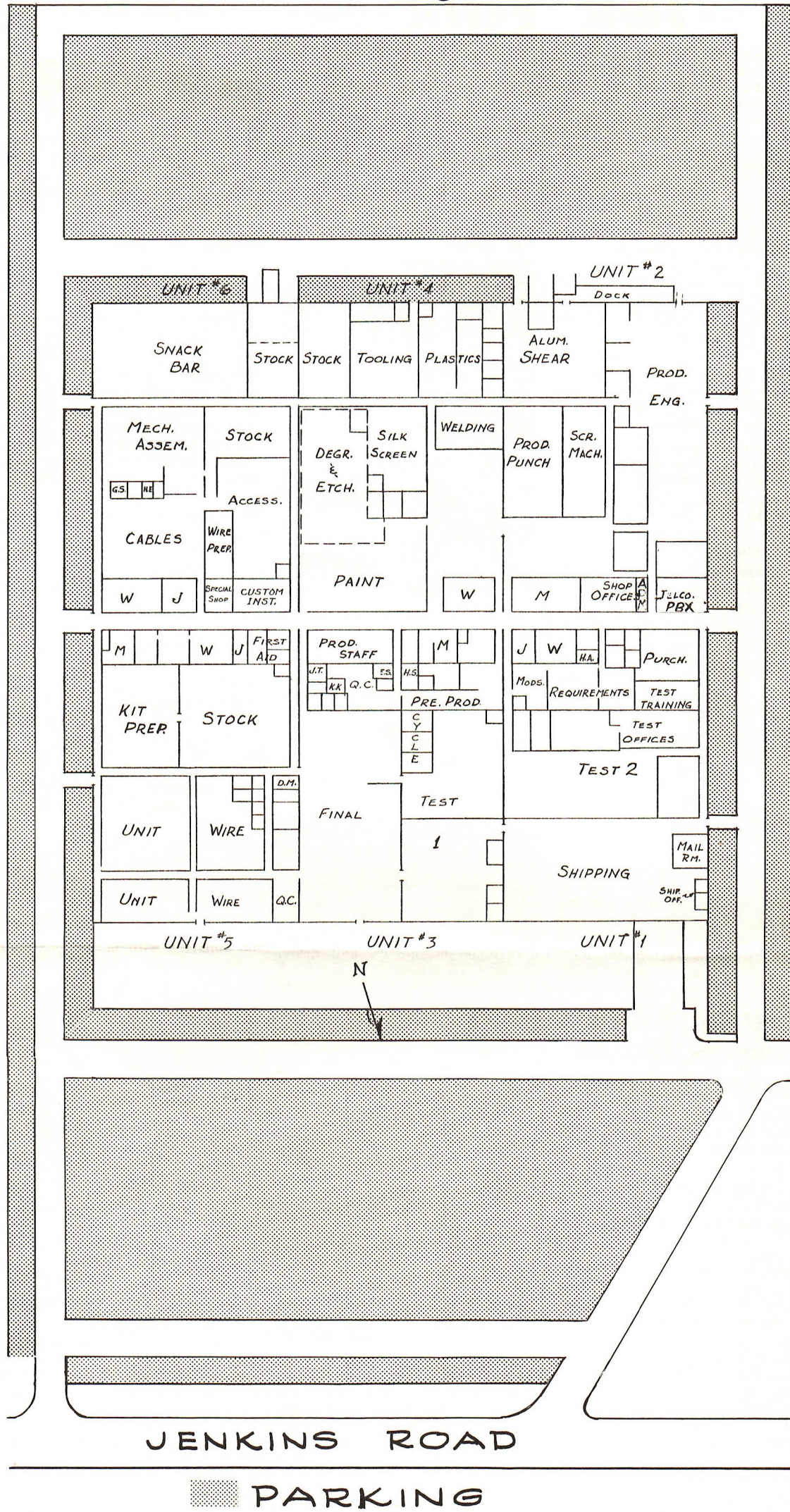
If you're around the TWX area some day about 11:00 am or so, peek in the door and watch Eleanor make with the keys. Sometimes everything opens up at once and you may think she ought to be twins to be able to do so much at once. Her communications system is backed up by her ability to keep her wits when all around her things are humming.

Assisting with TWX relief is Bette Barnard who attends the TWX room in Eleanor's absence and also daily from 3:30 to 4:30 pm. Her full-time job is invoicing in the Orders and Billing group. Bette is the cute little gal everyone wishes they were as young as. She graduated from Hillsboro High School in 1957.



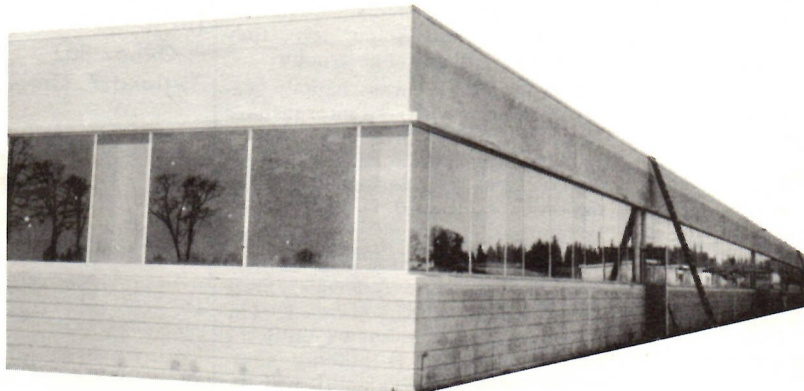
Bette Barnard

## Internal Layout And Parking Area Sketched



This sketch, not a scale drawing, will serve to indicate the general arrangements within the new building when it is fully occupied. Keeping in mind the external dimensions of 120 x 180 ft. for each module, you can get a good idea of the immensity of each area within the building. Parking around the building will be ample, and well within a reasonable distance from each person's work area. It is planned that the area

closest to Jenkins road and the area to the south of the building will be paved parking strips. The area to the east and west of the building will be graveled. The ten foot corridor that runs the full length of the building from East to West leads to the entrance that will serve as the "front door" to visitors. You will note that the plant telephone equipment, and receptionist, are located at the entrance.





## WIRE TERRIERS

Doug Taylor placed second in downhill and fifth in combined standing in the Far West Kandahar Race at Mt. Hood March 1st and 2nd. This makes him one of four to represent the Pacific Northwest Ski Association at the National Alpine Championship at Snow Basin Utah, March 14-16.

Ted Buckley is back with us after three weeks at Salem for Morrow Radio. Surprised they'd let you leave, Ted!

Bill Webber conveniently "slipped" into Stan Saety's group's potluck on Feb. 28th. (He said the mud he brought with him came from the new plant.) It was nice to have Bill with us, he even volunteered to wash all the paper plates!

Della Fortin is back after a week at home with a broken ankle. Careful Della—it isn't the fall that hurts, it's the sudden stop!

Some of the girls from Marshall Jackson's and Stan Saety's groups have been roller skating at the Oaks Tuesday nights. Most youngsters won't be left home, but Coral Mayor's daughter just can't bear to miss Cochise!

Someone once said, "If you can walk, you can skate," but how can you believe that?

Doris Flynn and Stella Bryant showed some films of last year's Tek picnic (complete with beards) and Jim Kurilo's group's Christmas potluck. Possible overlooked movie talent—Jim Kurilo and Bob Duhrkoop?

The new social hostess in Bill Hardin's group, Alta Persons, planned a nice smorgasbord Friday, Feb. 28th for Nancy Harding. Nancy is expecting the stork in the middle of March.

\* \* \*



From left: Mickey Kokich, Irene Parsons and Helen Riley watch as Nancy Harding unwraps her gift.

\* \* \*

New faces and new places have been occurring in Bill's group. Helen Morgan, Kathy Bryan, Lillian Kott, and Betty Eoff transferred from swing to days. Also several wirer's have transferred to other departments. Maxine Hall, to accounting; Jeanie Stafford to office in Capacitors; Mickey Kokich to Capacitors; Irene Parsons to Test; and Hazel McGee to Kit Prep.

Wedding bells are in the air. Carolyn Brejcha is wearing a sparkler from Ray Hines. Ray is a former Tektronix employee now serving with the U.S. Army in Virginia. Bob Williams, our utility man, is getting shaky nerves awaiting his wedding on March 22nd.

Eula Van Veen, from Cables, has spent the past month in our group. She is learning more about cable dress and wiring in the cables.

Our supervisor, Bill Hardin, has a choice stream for trout around Yachats. Just ask him directions, and if these aren't clear, he'll give you the game warden's name, who knows where the stream is—that's where he and Bill met.

Hazel Tillman returned this week after spending two weeks in San Francisco with her husband while he underwent surgery.

**Have A Happy & Joyous Easter**

## INFANTASY

Doug and June Dwight, Shipping  
Paul and Norma Bennett, Test  
Ray and Lavada McGinley, Accounting  
Don and Lurene Lange, Shipping & Unit Wiring  
Al and Rose Briggs, Production Tooling  
Ted and Cindy Anderson, Chicago Office  
(I guess Spring hasn't sprung yet!)

Girl 2-14  
Boy 2-14  
GIRL 2-21  
Girl 2-21  
Boy 2-21  
Girl 2-21  
(Their fifth!)

## WEDDINGS, NONE—

The Gift Fund attended to 5 farewells, 3 funerals and sent flowers to 27 of our members who were ill at home, or hospitalized during Feb.

## KIT PREP



Mollie Robbins was surprised with a cake and "coffee tree". Mollie has been our coffee gal for six years.

Neva Edwards, ex-mechanical assembler, visited our gang. She lives in Tacoma now. We were all very glad to see her.

Arlene Swanson Schmit came over from swing to be with us on days. We like that.



Harry Eklof was given a surprise pot luck on St. Valentine's Day. He received a Valentine from everyone.

## THE JAMES GIRLS

Quite a lot of activity in Feb. Valentines night was the scene of a delicious potluck, and a box of valentines for Wayne and Burt.

On February 18th the girls presented Wayne James with two very nice shirts for his birthday. Cake was served at coffee break.

Norma Martin was absent for a week and is back with us after a good rest at home.

Lila Linker has left our group and transferred to Capacitors. All the best wishes go with her to the new job.

The stork has been on the job lately. Word was received that Dorothy Pratt became the mother of a boy and June Gunderson also has a baby boy. Congratulations!

## CAPACITOR CAPERS

Kathryn Bartness and Evelyn Brown became grandmothers in the month of February. Kathryn made a quick trip to Red Lodge, Montana so she could be with her daughter, Lenora. Both of the children were girls.

Ruby and Roger Carter had to make an unexpected trip to Becida, Minn. Ruby's father had passed away rather suddenly. Although the weather was below zero, they made the trip without trouble.

Lloyd Morris was happily received back with a smorgasbord Monday, March 3rd. We are all so happy to see Lloyd back at his usual place. He has spent a long time recuperating in the hospital and at home.

Six of the Capacitor girls went to Seaside for the Woman's State Bowling Tournament March 1. The outcome will be unknown until the next Tek Talk. If nothing spectacular was done, it still will be unknown.

## FRONT OFFICE FABLES

We have elected our new group representative, Charmalee Henning in Export; and Maurine Warneking in Field Service will be her alternate. They should do a wonderful job of representing all of us.

Margaret Wittmayer, relief on PBX, has been missing from our ranks. She decided she liked having the nurses at Emanuel Hospital wait on her so has had quite a stay there. We'll be glad to have her back.

Does something look different about Leanne Garfield? No glasses! Yes and no—she's now wearing contact lenses!

Ruth Pasley has joined us. She transferred from Production Requirements to Administration.

The husband of one of our girls, Barbara White, likes polka dots. We are hoping that the 'measle-bug' won't get her and a few of us, too.

Em Langdon's daughter, Dian, looked a bit puffy and rosy the other day when she came to the plant. It seems she had stayed a little too long under a sun-lamp. And speaking of sun-lamps, Dorothy Van Maren has acquired herself a nice tan by using one.



Dorothy had a Birthday!

## OUT OF STOCK

The stockroom basketball team scored another victory, this time over a mixed team from the plant. Is there no end to this?

At any rate, the trend of conversation at coffee breaks is veering away from basketball and leaning towards golf. It's Spring again.

Overheard in the stockroom. "I need a volunteer to ride with me in my boat from Astoria to Portland". That sounds like a lot of fun for somebody.

Some Stockroom dirt our reporter missed was this: Don Wilson, Stockroom's "Gentleman Farmer", was very pleased not long ago to receive from Bob Prickett's farm, a very aromatic trailer load of reasonably fresh fertilizer. Don said his flowers were very grateful to him—he wouldn't mention his neighbors reactions!

Tektronix, Inc.  
P. O. Box 831  
Portland 7, Oregon

Warren Dixon  
2029 Marnel  
Houston, Texas

Form 3547 requested

## Cablegrams - We Celebrated!



Joyce Hall was feted at a birthday luncheon by the Cables group during their lunch period recently. The Poodle Room was filled to capacity. Joyce is at the far end of the table. Gerd Schwerin, the lone 'wolf' in the group, is a bit to the right.

## Tek Radio Club

## News Bulletin from K7AUO

T.E.R.A.C: The first anniversary meeting was held at the new shack just west of the new plant on Jenkins road, behind the Carpenter Shop, Saturday, Mar. 15, at 3:30 pm. Needs for equipment for the new shack and many future plans were discussed. Refreshments and lots of QRM.

## Investment Club

Members of the Beggar's Dozen Investment Club will testify that the past year has had its ups and downs as for as the stock market is concerned. The club watched in awe as it saw more than \$900 of its money eaten up by the great bear market of 1957.

Treasurer John Durecka pointed out that the news was not all bad, however. John reported an increase in club value from \$1866.62 to \$2840.84. A decline in share value from \$11.71 to \$11.42 was more than offset by reinvested earnings of 72 cents a share. Thus, in a year when the Dow-Jones Industrial average was falling 11.2%, the club was able to report a profit of 3.7%.

Vice-president George Roussos reports that the club has openings for two additional members at the present time. Anyone interested should contact him for further information. The club meets regularly on the second Tuesday of each month at 7 p.m. Visitors are always welcome.

The Women's State Tourney at Seaside, Oregon on Sunday, March 1, was entered by the Tek Women's Team which included Artie Nelson, Jean Jackman, Wilma Stapleton and Evelyn Mayer. As of that date they were 12th with 2628 w/h. Artie is in the money all-the-way so far. Better in the singles with a 550, she shot doubles with Betty Butler who does not work here. Jean Jackman and Wilma Stapleton are tied for 7th place with a 1047.

We had quite a grudge game at Beaverton Bowl Sunday, Feb. 23rd when the Swing Shift Bowlers challenged the Day Shift Bowlers. They rolled five games with handicaps. For Swing: Pete Unger, Elmer Woods, Bob Baugman, Cathy (dead eye) Meyer, and Wayne James. The Day bowlers were Ash Ashenbrenner, Ken Hogatt, Bunch Dixon, Joe Reeder and Roy Eckelman. Swing won—4775 to 4615.

## PHOEBE X SEZ:



## BULK RATE

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