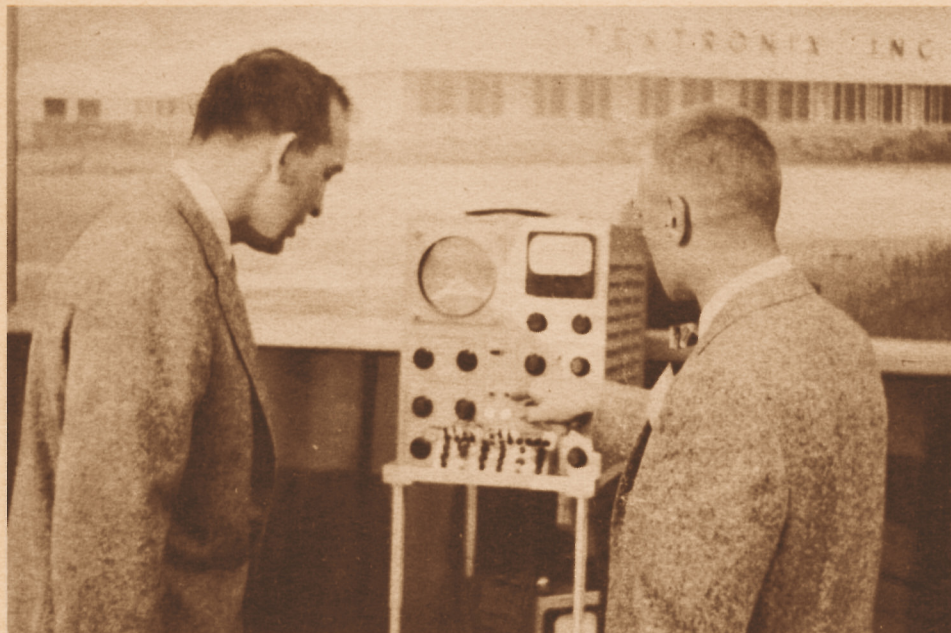


Western Electronics Show and Convention Takes Tek to Frisco



Checking Tek's scope with Ed Bauder at the WESCON show is John Davis of Neely Enterprises.



Tektronix scopes score an interest as Jack Zilhavey, sales manager of Varian Associates and Noel Edred, sales manager of Hewlett-Packard view our instruments.

July Profit Share Hits 30 Per Cent Retroactive Action to be Added

Tek Talk, in line with its promise last month, will attempt an explanation of July's 30% current profit share, unchanged from June. You received half of this in your August 5 paycheck, and the other half was retained to be paid in December.

Shipments and sales in July were slightly less than in June. However, there were about ten less employees, and one less working day. Since the amount of overtime was about the same each month, the smaller sales were offset by the smaller payroll; thus 30% both months.

Shipping Ahead In June

In June more instruments were shipped than were completed by either test or assembly. During July test completed a little more than was shipped, some instruments waiting for export clearance. Assembly reported completing 40% more in July than in June, tho many, especially the 540 series and the 517's lacked parts. There were approximately 200 "540" series scopes that "looked" ready for test at the end of July.

This indicates that assembly has gotten over the "hump" with the new "540" series, but that test is just getting its chance to develop smooth efficiency on them. New instruments, the lifeblood of Tektronix, reduce output the first few weeks. As soon as several of these nearly finished instruments are shipped in addition to all current production, the current profit share should have some higher months.

Expansion & Profits

Profit share calculation and explanation are more complicated than this and last month's Tek Talk articles indicate. Uncle Sam and Congress and the Oregon State Legislature can manipulate it in a rather mystifying way. If you consider your future to be with Tektronix, you realize that money paid out in taxes slows our expansion and in some cases reduces our profit share. In spite of the pleasant working conditions, friendly attitude and feeling of participation, Tektronix would not be a good place to work unless it were profitable and able to use a share of these profits left with Tek-

tronix to expand. It is this profit left, which is used to hire more engineers to create new products, build more buildings, buy more efficient machinery and provide more higher paying jobs over the long pull.

Part of the tax law Congress passed in 1954, called "accrual of estimated expenses and prepaid income", brought business taxes more in line with good management practice. It allowed Tektronix to pay a little less tax, and retain a little more for expansion.

Retroactive Law

This year Congress repealed that part of the law, and for the first time in history, made it retroactive to a previous year. This repeal had the effect of increasing Tektronix income, requiring Tektronix to pay more income tax for 1954. As a result Tektronix then has to pay more to current profit share, as well as to the retirement trust, for last year.

Before the end of the year, the Retirement Trust account of each of last year's employees will be increased. The contribution from Tektronix will be increased from the announced 8.37% of 1954 pay to 8.64%.

This also increases the current profit share for the period ended May 31, 1955 from 40.4% to about 42.47%. This additional amount will be added to the December profit share check of those who worked last period. Since the law was not repealed until June, those who terminated before the end of May will not receive this increase but it will be added to those who stayed.

Bave Boy Lost

Tek Talk expresses its sincere condolences to the Milton Bave family who lost their four year old son, Grant, on August 27th in a tragic drowning accident at their home in Vancouver, Washington.

Milton Bave was one of the original founders of Tektronix in its beginning at Hawthorne Electronics. A minor stockholder, he sold his interest to our company two years ago.

Tek's Teletype Diane's Debris

Most unusual teletype dispatch in recent weeks was received on August 29th from the Boston Office as follows:

TROUBLE CALL

TYPE 315D — S/N 1598 — VERT. AMP. — (Boston-VF-8/17/55)

Complaint: No vertical positioning of the trace.

Remedy: Replaced V12 (12BY7) tube.

August 18

Spent the day in the office as hurricane 'Diane' was starting to make herself known. Roads were starting to wash out so I was unable to make any calls.

August 19

Spent the day sweeping water back out the front door of the office as the waves came over a curb when an occasional car or truck would pass by. We dismally surveyed about a foot and a half of water in the basement here. Were informed by the police, fire and sewer departments that we warranted a call from them only if the water was six feet deep or more. The only damage resulting was three dozen shipping cartons, three changes of clothing, and a well-soaked secretary. (Wet, that is!)

August 20

Came down to the office to check for any further damage from the storm. Everything was still intact.

Short Form Catalog

Many of us at Tektronix are located in spots where it's not easy to get a good overall picture of the instruments that are the result of our corporate effort. We see some of the instrument here and there, but we don't have any way of comparing one with another.

With this issue of Tek Talk is one of our short-form catalogs, and each one of our products is described briefly. All the instruments are included with two exceptions, the 123 and the 515.

Annual Wescon Show Attracts Many 570 Exhibits in All-Industry Show

The 1955 WESCON (Western Electronic Show and Convention) was held in San Francisco on August 24, 25, and 26. This year the event was in the Civic Auditorium and a huge portico adjacent to it. Convention headquarters were at the Fairmount Hotel.

WESCON is one of the two big annual shows participated in by Tektronix each year; the other, is the IRE show in New York. Each year prior to the event, many weeks of overtime and concentrated work are put in by Dick Ropiequet and his crew of design and development engineers; and, each year these efforts are rewarded by the excellence of Tek's products, performance and display.

This Western show is held on alternate years in San Francisco and Los Angeles, is co-sponsored by the San Francisco and Los Angeles Sections of the IRE, representing the 7th region, and the West Coast Electronic Manufacturers Association. It is set up to promote the interests of the electronic and nucleonic industries and operated on a non-profit basis.

This year the exhibit space was enlarged to take care of more than 570 exhibits, the greatest number in

the history of WESCON. Displayed were the products of more than 650 manufacturers and over 20,000 engineers, technical personnel, and business executives attended.

An all-industry show, WESCON represents a cross-section of electronic manufacturing and research throughout the nation. All facets of industry were included: Production, distribution, sales representation and government participation. Admission is by registration only and only persons in the field of electronics or its allies are allowed to register.

Tektronix exhibited its entire production line with special emphasis on the instruments recently introduced which included the 541, the 545, the 570 vacuum tube curve tracer, 123 pre-amplifier and the 515 oscilloscope in both bench and rack mount versions. Much comment was also received on the always popular 531 and 535.

Attending the WESCON show from Tektronix were the Howard Vollum's, the Dick Ropiequet's, the Cliff Moulton's, the Chuck Nolan's, the Jim Morrow's, the Bob Davis's, Jack Murdock, Earl Scott, Roger Haight, Dal Dallas, and Ed Bauder.

Farewell Presents Terminating Tek

Farewell gifts were reluctantly given to Tek personnel in August — and we always hate to say "goodbye." Donna Kidd and her air force husband were sent a table lamp; Geri Duyck a duster and cologne; Dwight Loomis, cuff links and a tie clasp; Ruth Faber, a blouse; Monica Van Munster, a steak knife set; Omar Sommer, a gift certificate for fishing equipment; Vivian Brown, a 2-year subscription to "Changing-Times"; Dick Macneill, a billfold; and Bill Rusca, a billfold.

Eleanor Ross is being welcomed by 'all hands up front'. Eleanor has been in assembly since June, 1951 and has recently been transferred front office way.

First Aid Center In Assembly Two

All first aid problems have now been centralized in the new room at the east end of Assembly 11. Norma Caufield is the person in charge from 7 am to 3:30 each day. This will relieve Barbara Lawson from active duty but she is being retained on a First Aid committee. Doctor and hospital forms and any questions about insurance are also being handled by Norma. Please get your forms at this new centralized location.

Contributions for Tek Talk are now to be put in the box in Norma's new room. Norma will continue to coordinate these efforts along with the editorial committee soon to be announced.

Tek Talk

Published by Tektronix, Inc., 9450 S. W. Barnes Road, Portland 7, Oregon, by and for its employees. Published the first pay day of the month, the 5th, or nearest working day. Printed by Tektronix, Inc.

Tek Talk Adds Contributing Staff

Beginning with the October issue of Tek Talk, we will list our contributing reportorial staff who each month gleans information, bits of gossip and news of special interest to Tektronix employees.

The staff consists of rotation reporters who are selected and contribute in much the same manner as the group representatives.

Present members are: Engineering, Margie Guthrie; crt, Clara Knox; mechanical engineering, Armon McDowell and Slim Sorenson; manuals, Audrey Duyck; field engineering, Will Marsh, Fran Egan, Jack Day; front office, Yvonne Hoffer; export shipping, Orpha Enmark; cables, Margaret Clymens; mechanical assembly, Margaret Ryan; unit wiring for assem. 1 and 2, Reggie Green, Betty Jones, Wilma Stapleton, Corky Hymes; stock, purchasing, Phil Mallery; test, Sandy Sanford, Pius Scheer and Lloyd Sharp; shop, Al Foleen, Duncan Bergeron and Hank Jones; transformers, Jane Tomkin; ceramics, Helen Rohwer; panelcraft, Lois Rieschel.

The Tek Talk box is in the new first aid room. Norma Caulfield will assist in coordinating news reports.

Credit Union Adds Staff Member Hours Change to 11:00 to 4:00 p. m.



In charge of the Credit Union office is Sylvia Bean who took up her multiple duties in mid-July. Credit union hours will be from 11:00 to 4:00 p.m. each day. Sylvia previously worked with the Southern California Gas Co. and has been in Oregon for this past year.

Tek's Credit Union like all of it's brother organizations exists to promote thrift and savings among its members and to provide a service of low cost borrowing for productive and provident purposes.

Although its functions are many, the credit union is constantly used for short term emergency loans, car

financing, hospital expenses, consolidation of debts, vacation money, home repairs and the financing of furniture and appliances. Loans are made after application to the credit committee who meet weekly to consider all requests.

It is easy to save and to pay back by means of payroll deduction which also makes possible easy withdrawals. The credit union is protected by loan protection insurance and life savings insurance. In addition it offers for free the services of a notary public.

In the last six months, Tek's Credit Union has shown a phenomenal growth. Assets have increased 18 and one half per cent; loans, 46%; and shares, 14%. To date the Credit Union has opened 565 accounts.

Dividend expectations payable annually are approximately 4%.

Dick Schmidt, treasurer of Tek's Credit Union will continue to supervise CU operations. Dick is really CU concious this year. He has just completed organizing St. Peter's Parishioner Federal Credit Union, is secretary of the Oregon Mutual Credit League and is on the board of directors of the Oregon chapter of Credit Unions.

Personnel Dept. Loses Liason



A sorry area of emptiness toward the front of the building will soon be noted by all of us. For those who can't somehow identify it, this void is left by one of the warmest personalities that radiate among us. Anticipating a new arrival, Irene Garvey is taking a leave of absence for a space of time not yet defined.

Since September '52 many an apprehensive applicant has been made to feel at ease by those laughing brown eyes, and many an article for Tek Talk pried out of a reluctant writer when Irene was editor.

We see her leave with mixed emotions, for, while we need her badly, we know how glad her husband Jack, daughter Pat, and son Mike will be to have her at home. Anyhow, Irene, all the best!

Scopes Shown In Italian Exhibit

Tektronix is represented in Italy through CESA-Elettronica headquarters in Rome. Closing on July 10 was the Rome International Electronics Exhibition whose pictures

were sent to us by Mr. A. Suglia for use in the current issue of Tek Talk.

Eight foreign countries were represented, 100 industrial concerns displayed their products, 14 foreign delegations, and over 50 scientists of international renown attended the exhibition which also attracted 200,000 visitors.

The electronics show was also attended by many political dignitaries. In the shot shown below, the three gentlemen watching some of the instruments are (from left to right) Mr. Tremelloni, former state secretary of finance; Mr. Mastromattei, M.P.; and our Mr. C. Albanese. In another part of the picture is Mr. G. Gronchi, president of the Italian Republic and our Rome representative, Mr. A. Suglia.

This event is the second international electronics display to be given in Rome. According to our Italian representatives, CESA-Elettronica, it afforded them an opportunity to demonstrate many of Tek's instruments.

"Tek-Tones"



"Give us the key, Gene" — that's the beginning of Tek's new harmonious four who go by the label of Tektronix "Tek-Tones." Left to right are: Corwin Hymes (inspection), bass; Bob Duhrkoop (stock and purchasing), first tenor; Gene Cavanaugh (purchasing), second tenor and melody; and Bob Jackson (finaling), baritone.

To the strains of "Old McDonald" had some scopes — Tek — tron — ix" and the annual Haymaker picnic listened and applauded to our new quartet's first public appearance.

"Tek-Tones" are hoping to become an established quartet. Marybelle Rash has consented to make arrangements for the "barber-shop" four. To gain experience, confidence

and develop a technique, they are now courting engagements before organizational groups.

February is their goal with the famed Forest Grove Barbershop Quartet Contest. If they feel that they are good enough for the competitive field, Tek Tones will enter. In the meantime, we'd like the opportunity to hear them practice on us. Good singing!

Tek Gains Twosome Purch & Test Merge

Tek gained a new twosome on August 20 as Barbara Lawson marched down the aisle to say "I do" to Lloyd Sharp (test) at a 10:00 am ceremony in the First Congregational church in Portland.

Acting as flower girl was "Sandy" Sue, Barbara's small daughter. The family affair continued with Lee Stanton, Barbara's sister-in law as her matron of honor and Lloyd had as his best man, Ted Ranck, his brother-in-law. Byron Witt and Harry Stewart of Tek's test department were ushers. Giving the bride away was Dick Stanton, Barbara's brother.

Also on hand to give a ship-shape inspection was Stanley Sharp, Lloyd's son who has just finished his 'plebe' year at Annapolis.

Additions Welcomed

Crt is now boasting over the additions of Elinor Tuttle and Doris Uhrich.

Marcela Treglown and Marcelle Buel (sister of Mollie Robbins assem.) are now in capacitors.



That long awaited blessed event finally happened in the Fitzgerald household and Bob and Jane became parents of Mark Stephen on Aug. 7.

Passing out cigars for the the junior parade is Bill Lee in stock. On August 15, Bill became the father of Rodney William Lee, weight 45 pounds and age, five years.

Number three, and three boys it is for the Byron Witt's as David Warren weighing in at 6 lbs., 8 1/2 oz. joined the ranks on July 31.

August 11 is the birthday of Cynthia Marie, newest to the Miller Duris (capacitors) home.

Stock claimed another proud papa in Dale Tyson. Roger Dale arrived August 2, 1955 at 7 lbs. 14 oz.

Slim Riggs (shop) is taking all congratulation on the arrival of Robert Jay on August 4, 1955.

July 31 was the birthday of William Kenneth, newest arrival to the Francis Frost's in Tek's New York office.

Tektronix Exhibits At Rome International Electronics Exhibition



THE BIN --- 'SCOPES AND SCOOPS'

Haymakers Have Hoedown At Picnic

First, hats off to a swell crew who did a bang-up job at the picnic. A special thank you to the picnic committee of Bill Barnes, Harlow Loucks, Don Sherrod, Earl Pahlka, Irene Wilson, Bob Cogan, Corkey Hymes, Norma Caulfield, Hallie Todd and Reva Strong. Generous assists were given by Jim Cook, Jim Strickland, Nellie Anthony, Kay Barker, Rhoda Chalupa, Helen Clark, Elaine Kinsman, Helen Riley, Lois Scott, Dave Shelton, Vera Sigler, and Helen Sherrod.



The Get Away

Everett Knox lets the greased pig out as the starters eagerly await the signal "Go". The good-sized porker gave the junior field a run for their money picking an obstacle course fit for the U. S. Marines. After a battle of near misses, "I almost had him" and squeals that matched his own, the piglet was trapped.



The Winner

It was a family affair, as Everett Knox helps Tommy bring home the bacon. Officially christened Elmer, our porker is now living happily at the Knox's two acre farm with all the other animals — first treatment included a bath.

In a field of 20 "kissin' couples" — Jim and Helen Morrow came through the marshmallow and several yards of string to record the stickiest kiss on record.



For Women Only

Most widely participated contest at the picnic was the rolling pin throwing contest with each and every contestant eager to prove her skill. Entrants were required to use the same technique needed in pitching horseshoes — but here the rolling pin took over and its destination was a wobbly produce basket. No 'ringers' were allowed and Mrs. Harry Stewart won the honors.

Mountain Climbers

Dave Spinks, Supervisor of the training group, left August 11th for vacation. He and his wife, Joyce, made an unusual trip in Monument Valley, Southern Utah, by jeep. Then up to the Tetons to meet friends and do a little mountain climbing. Photography is Dave's most important hobby, and he probably has well over a hundred pictures of their trip. Perhaps, he'll bring them to work some time so we can all see them.



Pop-drinkin' "Pops"

Real competition developed in the handicaps presented in the pop drinking contest. Warm soda pop capped with baby nipple tops proved as explosive as home made root beer. Ivan Arnold came in first.

Competition in a field of three gave Emil Evan's (carpenter) the first prize in the beard growing contest and now our favorite punster has only one remark — "For 'Evan's sake, please shave it off."

Paul Wright came through and won the poster contest. Production won the soft ball game versus the engineering building although there is still some dispute, we understand, as to the final score.



They're Loaded

Water-filled balloons with the distance growing each throw provided many a laugh and quite a number of soakings.

One of the best ideas of the day came in the "getting acquainted contest" labeled "friendship". Everyone was given a blank sheet of paper and via introductions, each collected signatures. Gaining the most friends at the end of the day was our charming French import, Collette Herrick.



"Time Out"

Big ones—little ones—even medium-sized haymaker's made hay. Vital statistics included 2880 bottles of soda pop, 350 pounds of barbecued ham and beef each, 50 gallons of coffee and 1200 ice cream bars and dixie cups.

Grand door prize winner was Vern Walker (tech. production) who won the deep fryer; the first door prize went to Helen Riley (shop) who won a barbecue set.

Aloha Oe!

According to Jean Berlack, her two-week trip to Hawaii was worth every penny. She's already started saving for another.

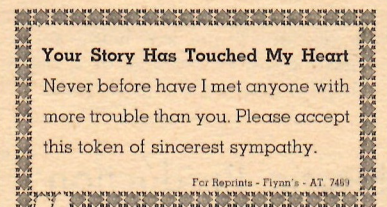
The first-class trip over on the boat took four days, but she was so busy having fun there was no time for 'relaxing'. Tours of three islands took up all the available time during her stay in Honolulu. Then a flying trip home by air on Sunday, and back at Tektronix on Monday. There is still a lot to see and more things

to do on her next visit, says Jean. She is a real source of travel information, so don't be afraid to ask her for ideas about things to see, where to stay, etc.

Henry Scott of the instruction manual department is sporting a brand new haircut. This "scalping" is the result of illegally camping overnight on an Indian reservation while in Canada on a 2-week vacation with wife Betty, and son, Gary.

Really Sorry!

Complaints to purchasing regarding out of stock items are now receiving "sympathy" cards from gagsters in the department. On the oc-



casions of future complaints, be sure to bring your card. All cards are acknowledged and punched. Recipients of punched out cards are promised free crying towels.

Crt Travels

Crt vacations have found Vern and Florence Walker in east and central Oregon finishing up their trip in Idaho. Ella Hanson elected to spend a backyard vacation. Clara Knox and her six youngsters had a week's vacation at Cape Lookout. The following weekend found the Knox's back at Newport for a weekend of fishing where they landed a Royal Chinook.

Adding to the decor in the crt department are two rock specimen's from Rose Duane's collection. An August vacation trip took the Duane's to northern Idaho where Rose an ardent rock hound found a desert rose and a snake agate in Rome, Idaho.

Tek Talk extends it's sympathy to Martha Hanson on the death of her father in Belgrade, Montana.

A weekend trip to Vancouver, British Columbia and Washington has convinced Henry Bahrs (drafting) of two tone styling. Poster paint experimentation has resulted in flamingo red and sandpaper tan — and it looks like a new V-8!

'Jalopy' Racer



Entering the 'Jalopy' races at the Speedway and Jantzen Beach is Bob Carroll, finaling. On August 7, Bob won the first heat against a field of six cars. One more race is scheduled this year. Next season, Bob intends to make an entry in the 'stock' car division.

Front Office Junkets

Greeted back from vacation in the front office include Helen Helmick who took a part of her vacation for 'necessary household chores' — a family beach trip is next.

A welcome sight was Em Langdon who came back after two weeks with her family vacationing and camping through Yellowstone Park and the Grand Tetons. A stop-over also included Sun Valley.

Grace Gibson and family spent a

few days at the beach which included playing, relaxing, swimming, fishing and added Grace, "washing dishes, sweeping, cleaning, cooking, etc!"

Jean and Vern Hanson spent part of their vacation visiting in Redmond and eastern Oregon. The rest included "window shopping" for a house and "taking it easy."

The Jack Day family chose Victoria, Seaside and Long Beach where they visited friends.



(Everything's wonderful, they just are going to miss her!)

The switchboard vacancy will be filled by the combined labors of Ada Mae Wilson and Yvonne Hoffer. Relief's have been temporarily provided by Margie Miles.

Scientific Tours

Still talking about the WESCON show are some of Tek's engineering staff who combined their vacation time to coincide with the show. For field trips, wives were allowed to attend. They included a visit to the University of California Radiation Laboratory in Berkeley, a tour of the scientific division of Beckman Instruments, the facilities of Eitel McCullough, Inc., Ampex Corporation and Hewlett-Packard Company and a visit to the Stanford Research Institute in Palo Alto.

Lorraine McNiel's daughter Joyce returned last month from the state softball finals in Klamath Falls. Joyce plays shortstop for the Forest Grove "Meadowlarks". Oswego won the championship this year and an invitation to the world tournament in Portland this month. The "Meadowlarks" are Marybelle

Rash's favorite team. Marybelle has played first baseman for the last six years up until this year.

Sailor's Delight

Taking off on a unusual vacation August 24th was Hawkin Au who with a friend signed on as part of a crew of 8. Cruising on a chartered 58-foot schooner through the San Juan's with their start being Deer Harbor is the order of the ship's log. One of the top cruising areas of the United States, we envy Hawk this trip — we even like the name of the motor-sailor — "The White Cloud."

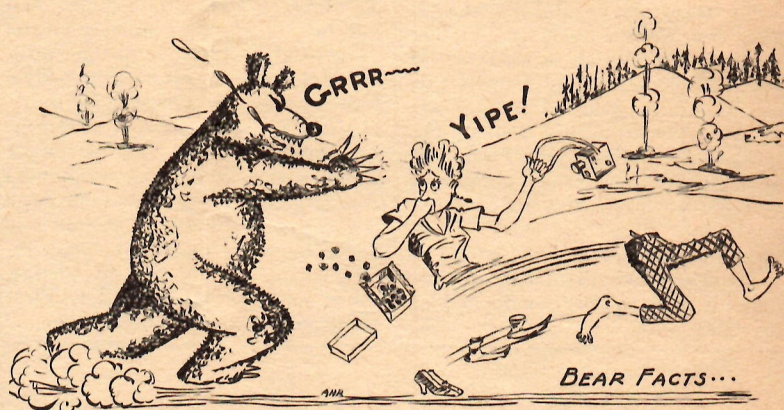
Just getting back from an exploration of the northeastern part of Oregon was Gale Sikler's choice of vacations. Photo fan, Gale recorded the trip in black and white and color. For beauty and the fun of exploring in a primitive area, Gale recommends the route between Imnaha and Hot Point on the Snake River. Roads are not the best but the layover at Wallowa Lake makes the trip worth while and Gale added that between the fish and the bathing beauties in the lake that a choice of sports was difficult.

Tek rejoices with the Bill Webber family in the fortunate recovery of their son Bob, who was stricken with polio on August 19th. Bob is still in Emanuel hospital but is making satisfactory progress.

"Hanky" Shower

Cheering up Mrs. Brown who is still convalescing from August surgery were Barb Ekstrom, Clara Knox, Marybelle Rash and Alvina Fry who organized a handkerchief shower. Clever gals made up a booklet of paper doilies for holders, had our good-natured printing department punch the holes and put a plastic binder over it all. Next stop was Good Samaritan.

Harriet Anderson (capacitors) has just returned from a vacation to Reno and California. Harriet's report was that a misplaced cow on a public highway is apt to slow up any vacation.



Just back from a Yellowstone vacation is Aldean Feitush (capacitors) who has always gone on the theory that I love "nature" and in return "nature" loves me. Aldean has blithely calmed and patted stray animals of all descriptions but her theory

has now exploded. A bear is simply too big and Aldean admits that they have more wind and stamina than she possesses. Her last encounter took the services of 3 Yellowstone park guides to divert the bear in order that Aldean could escape.



Throughout America, citizens of all races and faiths ... over 15 million of them ... are uniting now in a great humanitarian undertaking. Men and women, boys and girls ... all are volunteers in a mighty fund raising campaign.

Dependent upon their efforts are over 21,000 welfare services ... services that protect babies and and children, give guidance to boys and girls, and bring peace of mind to older people, care for the sick and handicapped and help troubled families.

United Fund Campaigns, held each fall in behalf of local and national voluntary health welfare and defense services, are everybody's business.

Be a volunteer in your town's United Fund campaign. Multnomah and Washington county's United Fund month is October.

Photo Fans Have New Film to Try

by Ed Egan

Eastman Kodak, during the past year, has come out with several new films. Among these is one film of special interest to the snap shooter as well as the serious-minded amateur or professional. This new film, called Tri-X, is a high speed film ASA 200 without the usual drawback of high speed film; that is, excessive graininess. Though twice as fast as Super XX it has much finer grain. It is, of course, not as fine grained as Plus X, but Plus X is an extremely slow film by comparison.

Extreme Latitude

One of the outstanding qualities of Tri-X, other than its high speed, is its extreme latitude; that is, its ability to record detail in the low level shadow area as well as the brilliant high lights. With most films, an attempt to record some detail in the shadows, usually leads to such over-exposure that the resulting print yields little or no detail in the high lights. With Tri-X, however, over exposure accomplishes two important things with only one slight disadvantage. First, it allows the film to receive sufficient exposure to record detail even in extremely dark shadows while the high light density does not build up to an extreme. Second, this effectively lowers the contrast of the original scene which is desirable where the range of the original scene varies from dead shadows to extreme high lights. However, along with this same over exposure goes a slight increase in graininess, though not objectionable unless extreme enlargements are anticipated.

Shoot like Plus-X

For those who have been shooting Plus-X film and getting lots of negatives too thin in the shadow areas to make satisfactory prints, it is recommended that you use Tri-X and shoot it as if it were Plus-X; that is, consider its speed to be the same as Plus-X and shoot accordingly.

No Flash Needed

This over exposure technique is not, however, the only advantage of this new film. Quite oppositely, its use is extended to scenes where the maximum light intensity of the scene is far below the capabilities of ordinary fast films. Tri-X can be successfully exposed at an index of 800 and over developed by 3 times normal in a fine grain developer and yield very satisfactory prints. Pictures under normal room light, with no flash are now easily obtainable.

It is also interesting to note that this same film has been found through a series of tests here at Tektronix to be the most effective film for high speed waveform photography.

Income Tax Aids Working Students

In a recent addition of Portland's dailies, appeared an item of interest to all Tektronix parents and to our summer student help.

R. C. Granquist, district director of internal revenue reminded parents again that they may claim an exemption for a working son or daughter even if the child does earn more than \$600. Many queries have come into the revenue service in these summer months and Granquist stated that children could work right up to the reopening of school if they wish.

Parents may claim working children as exemptions provided they furnish more than half the total cost of the child's support for the year.

For the benefit of our summer student help, they are reminded that they are subject to a withholding tax on Tek's payroll and in order to get a refund, they must file an income tax return.

The district internal revenue office will answer question regarding individual cases. Tek's Don Ellis will also be glad to answer any cases pertaining to employees of Tek.

Posies For Patients

Sending flowers this month to Tek's convalescents included Lou Thomas, Lucy Benton, Beulah Veatch, Lee Penson, Charlene Goodman, Jack Henderson, Betty Hull, Vivian Brown, Donna Wojcik, Dick Phillips, Edna Ulrich, Ron Wold, Mart Kubarsepp, Maxine Edgerton, and Lois Aulger.

Blood Bank Gains 85 Plant Employees

Tektronix would like to extend its "Thank you" to all employees who have donated blood to the Blood Bank for Tektronix. There have been two occasions recently on which the 'Bank' has been used by families of Tektronix employees. They are sincerely grateful. We all feel better knowing the protection is there, and ours, should we have the need.

So far, over 85 plant employees have donated one or more pints to the Bank. More have pledged and will be called upon in the future. Norma Caufield has the pledge cards, and is making an effort to schedule donors ahead for a month or more. The Red Cross furnishes transportation upon request, and to make things easier, Tektronix employees usually go on Tuesday of each week at 1:45 p.m. and get back at 3:30 p.m. If you have any questions about donations or would care to pledge, please call her on Ext. 221, First Aid Room, or go in and see her.

Flying Club Plans Filters From Our Field Offices

The Tektronix Flying Club plans a reorganization to attract new members. Plans discussed at a recent meeting include the purchase of a newer airplane, a move from Hillsboro to a more convenient location, Barnard Airport at Beaverton, and opening the club to people not employed at Tektronix.

The Flying Club wants anyone interested in joining to have a voice in the selection of the airplane. If you are interested, please ask president, John Taylor to let you know when the next meeting will be held.

Also underway are plans for a ground school starting this fall. Other activities, such as social gatherings, group trips, and educational meetings are planned for the fall season. Steps are being taken to assure the availability of a flight instructor for beginning flyers.

Plastic Production Shows Big Increase

Starting two and one-half years ago, Tek's plastic department has grown and expanded into many phases of our production. The beginning saw 7 parts produced on two presses.

Today, plastics are producing a total of 90 parts on five different presses. In a three month period of May, June and July, 22 new parts were put into production.

The plastics used in this work are urea, alkyd, nylon, tenite, vinyl, polyethylene, polystyrene and plexiglass. These plastics are used in different ways such as compression, molding, injection molding, plexiglass, fabrication and forming. One of the more interesting operations is plexiglass forming wherein the material is heated and bent or actually molded to a shape.

The department is now producing 35,000 parts per month and can see no end to the use of plastics in the electronics field and especially at Tektronix.

Tiny Tyke Gifts

The Les Kiesling's received a yellow corduroy creeper set with pants clearly embroidered "Don't Spank" and a sweater set.

Shirley Steven's baby received creepers and sleepers.

The Bob Herren's preferred a dress and polka dot diapers for their baby daughter. The Fitzgerald's are now admiring Mark in sleepers and plastic pants; the Miller Duris's received a 3-piece sacque set and polka dot diapers; and the Slim Riggs', a yellow blanket.

Wedding Gifts

Congratulating our newly married couples, Tek's Gift Fund presented the Cy Woodworth's with a kitchen clock and a Tahitian torch for their garden.

To the Lloyd Sharp's went an Osterizer.

To them both went Tek's sincere congratulations.

Tour and Retour

Who in all Tektronix has the most miles behind him? If Dal had continued in a straight line, and not stopped off to waste time eating and playing golf, he could have reached the moon and already started back.

United Airlines recently presented Dal with a gold pocket card, a pin, and a handsome plaque attesting to his 200 thousand miles of air travel. His actual total is on the order of 260 K miles and does not include the milage in his own plane.

Filters From Our Field Offices



Scotty Pyle

Well known for those famous Scotch headresses. Lives in North Syracuse, N. Y. about 10 miles from the office. His wife, Jane and three youngsters, Linda, Randy and Cathy make up the household. Rumor has it that he just blew himself to a new set of golf clubs.



Ann Dwinelle

Lives about a mile from our Syracuse office with a couple of working

girl friends. She owns and drives a 1950 Studebaker and on many occasions has dropped Tek people off at the Syracuse airport. She says she skis at skiing and golfs at golfing!



Gordon Allison

Lives in North Syracuse near Scotty. His wife Evelyn, and one daughter, Cheryl, man the home front while Gordon is in the field. Same rumor has it that Gordon has new clubs also.

Best rumor we know is that we understand Scotty Pyle will be at the home office in September.

Wedding Bells

Wedding bells rang out also on August 20 for Cathy Rolphe (assem) who married Robert R. Grammer in the South Tacoma Baptist church in Tacoma, Washington. Congratulations!

Stockholders Buy Geiger Counter For Uranium Vacation Prospecting

Latest device to hit Tektronix is the acquisition of a Geiger counter by a select group of stockholders that include: Vern Walker, Bob Leipzig, Nancy Goodman, Ken Walling, Jack Henderson and Les Stevens. The Geiger counter is jointly owned and should any of the owners hit uranium, profits are evenly distributed among the ownership. The stockholders have also agreed that they will rent the Geiger counter should a weekend or vacation period arise where none of them will be using the instrument.

Vern and Florence Walker have just returned from their vacation in the Steen Mountain area with the Geiger counter and a week's prospecting in the area. They were also in the Trout Creek mountains where they reported one scenic spot whose lofty elevation looked down and across the states of Idaho, Nevada, and California. Did they find uranium — well, no — but they got a lot of experience!

Vern quite willingly shared his observation in "how to do it." Mainly, he said that you look for any unusual rock formations and those are tested. Uranium ore does not look like ordinary rock and color is an important clue, along with weight.

From the U.S. Atomic Energy Commission, Vern received some more valuable information on the Geiger counter's use. The counter has three calibrated ranges approximating a high, medium and low. A rise in the reading may be caused not only by the presence of uranium but also by other factors, of which the most important are: (1) the background count; (2) the "mass effect;" and (3) the presence of thorium.

The background count is the count

that is always registered by the instrument, even at a distance, from radioactive ores, because of cosmic rays and random gamma radiation. The prospector must remember to record this count and subtract it from the total count. Most rocks have some degree of radioactivity, and some have more than others. For example, the background will be higher above or near granite or rhyolite, than above or near limestone or dolomite.

"Mass effect" means that a large mass of weakly radioactive rock may have, as a whole, enough radioactivity to affect the counter, although the radioactivity of a small piece of the rock is slight. When this is the case, the prospector may find that his counter shows a noticeable reaction near the large rock mass but a sample removed from the mass will have little effect on the counter.

The presence of thorium is the most confusing. Thorium is a radioactive element like uranium, and a number of minerals contain thorium. The radiations emitted by uranium and thorium register on most counters in the same way, and chemical tests may be necessary to determine whether the radioactivity is coming from uranium or thorium.

These three factors must always be kept in mind. But in general terms, if the Geiger counter registers a recorded count two or three times the background count, the prospector should study the region more closely and should attempt to locate the precise source of the radioactivity.

Now, all you have to do is arrange far a camping weekend, with rich uranium deposits near by (not thorium, remember), rent the Geiger counter and on the multiple proceeds, retire for life.

