

TEK TALK



VOL. 2 NO. 9

OCTOBER-NOVEMBER 1953

Our First Thanksgiving

LINCOLN'S WORDS APT— THIS THANKSGIVING

The words which Abraham Lincoln used in issuing the first Presidential Proclamation for a nationwide observance of Thanksgiving Day on the last Thursday in November, 1863, have a special significance for us today.

"The year that is drawing toward its close has been filled with the blessings of fruitful fields and healthful skies. To these bounties, which are so constantly enjoyed that we are prone to forget the source from which they came, others have been added which are of so extraordinary a nature that they cannot fail to penetrate and soften the heart which is habitually insensible to the ever watchful providence of Almighty God.

Needful diversions of wealth and strength from the fields of peaceful industry to the national defense have not arrested the plow, the shuttle or the ship... the country, rejoicing in the consciousness of augmented strength and vigor, is permitted to expect continuance of years with with large increase of freedom.

No human counsel hath devised, nor hath any mortal hand worked out, these great things. They are the gracious gifts of the Most High God, who, while dealing with us in anger for our sins, hath nevertheless remembered mercy. It has seemed to me fit and proper that they should be solemnly, reverently and gratefully acknowledged as with one heart and one voice by the whole American people..."



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CERAMICS DEPARTMENT PERSONALITIES

By Jack Clark

One of the newer, but vitally important divisions of Tektronix, is the Ceramics Department, headed by genial and capable TED GOODFELLOW. Porcelain strips, posts and turrets are produced here for use in Tektronix instruments, wherever high quality, highly resistant insulators are required.

It was through the foresight and efforts of Bob Davis that the Ceramics Department was organized.

Ted insists that the growth of his department has been possible only through the adaptability and skill of the people working with him in producing porcelain parts, and through the cooperation of many in the plant who helped create special machines and equipment required for this work.

Ted came to Tektronix in August, 1950, starting in Assembly, later taking charge of sub-assembly on swing shift.

When special pieces were needed for cathode ray tubes, Ted provided them in porcelain. He had good background for this work, as he had studied for four years with the late Dr. H. L. West of Stoke-on-Trent in England, a locality famous for producing the finest porcelain in the world. Dr. West was a retired British ceramics engineer, and an expert on Bone China and Belleek ware.

Ted's ceramics training with Dr. West was invaluable and was further augmented by many years' experience in this field, including five years at DeLake, Oregon, where he was engaged in making pottery, stoneware, and designing and building porcelain firing kilns for sale. He made and sold over two hundred kilns while at the Coast.

The various clays used in ceramics have different properties, and these clays must be mixed in the proper proportions to produce the best results. Ted evolves the formulae for the mixes, using thirteen ingredients, so that the best possible porcelains will be produced.

Probably few people realize the varied sources of the materials used. There are silicas from Illinois, kaolins from Georgia and Florida, ball clays from Belgium, feldspars from Arizona and California, nepheline syenite from Eastern Canada, cobalt from India, and all have a place in the ceramics picture.

The department is continually striving for greater efficiency. Each piece is rigidly inspected following each operation, and all pieces are constantly being tested for porosity, mechanical strength, warpage and shrinkage in order to maintain and improve quality.

With the exception of drill presses, all of the dozen or more machines used were designed and built by Tektronix people, such as the ball mill, silvering machines, silver kiln, firing kiln, plaster vibrator, horizontal drilling machines, sponger, belt sander, double-edge sander, sawing machines, sand blaster and soldering pot. Some operations, still performed by hand, will eventually be done by machines as they are built. Ted is presently designing a larger kiln to meet greater production requirements.

In the quonset hut the powdered ingredients are mixed in a powered tumbler, then wet ground in a ball mill. The thick, creamy mixture is then screened and aged for at least two weeks. The fluid mixture is then

poured into single and multiple molds and allowed to set overnight. Shrinkage during setting allows easy removal of the ceramic pieces from their molds.

Following casting, the ceramics people in the new building take over for finishing, including machining operations and firing of the pieces.

The pieces are extremely fragile before firing and require skill in handling. All the girls in the department are familiar with every operation and, according to Ted and Jack, have most capably carried the delicate prefired material through various production operations.

The cast pieces are sponged and sanded to remove all rough edges, and holes are drilled for the mounting studs. By means of a cleverly devised wire holder, four pieces at a time are carefully dipped by hand into a glaze. The glaze is made from a mixture of clays and fusible materials that result, during the firing process, in a hard glass surface on the porcelain increasing durability and enhancing the appearance of the porcelain.

After glazing and drilling, excess glaze is sponged off, and notches are sawed in the parts and they are fired in a kiln to nearly 2500 degrees F., on a 24-hour cycle.

Silver is applied to the notches, and a second firing at 1400 degrees F., takes place. The silvered notches are sand-blasted to remove oxidation preparatory to tinning, which is done by dipping each individual piece into a molten silver solder pot. Mounting studs are cemented in place and heated overnight to set the cement properly.

These high-grade porcelain insulators are now ready for Assembly for use in the instruments.

Production at present runs about 600 pieces daily, and is still in the embryonic stage.

JACK GAETH joined Tektronix in April, 1951 and worked in assembly until November, 1952 when he went into the ceramics department as group leader.

Born in Everett, Washington, Jack came to Portland when he was eight years old. His home is in Portland, is married and has a year-old daughter. Although Jack likes golf and music, and has played a hot E-flat alto sax and clarinet, he firmly avers that his family is now his main hobby.

(Continued on page 3.)



Left to right: Ted Goodfellow, June Ruyle, Jack Gaeth, Ruby Evans and Laurel Zirschky.

TEKTRONIX AT CHICAGO

By Dick Schmidt

The National Electronic Conference was held in the Sherman Hotel in Chicago on September 28, 29 and 30. On hand at the Tektronix' booth were W.K. DALLAS, DICK ROPIEQUET, DICK RHIGER, DICK SCHMIDT, and GEORGE EDENS, our New York Branch Manager. George was on his way back to New York after visiting Portland for ten days. Our representatives in the Middle West, Everett Associates and The Satullo Company, were on hand to learn more about our instruments and to provide a "breather" for the Tektronix men.

The new Type 535 Oscilloscope was the principal attraction at the booth. With its three plug-in pre-amplifiers, particularly the dual-trace unit, and wide-range sweep circuit, the 535 attracted much favorable comment. Everyone was impressed by the possible versatility, appearance and construction of the scope.

Other new instruments shown were the Type 190 Constant Amplitude Signal Generator, Type 163 Pulse Generator, and the little 315 scopemobile. These instruments were the subject of considerable interest.

Early on the opening day we were visited by many engineers and management people who were also exhibiting. A comment from one ---- "Well, it looks like you've done it again." -- should provide a source of satisfaction and pride for every Tektronix employee.

From trade shows, such as this one in Chicago, it is easier to understand the problems of our scope users. Complaints received -- few compared to compliments -- enable us to improve our instruments. In addition technical information is gained from papers presented at the conference. From listening to many, many people, we begin to understand why Tektronix is the leading oscilloscope manufacturer.

Effect of Jan. Tax Cut on Income

How will the January personal income tax reduction affect take-home pay?

According to law, almost all taxpayers will get a rate decrease of about 10% as of January 1, 1954. It would take Congressional action to change this, and the President has stated that he will not request such action.

This reduction means that a married man with two children and a monthly salary of \$225 will have a take home pay increase of 10 cents a month, the amount by which his tax was increased in 1951. If he makes
(Continued on page 8.)

(Ceramics Continued from page 2.)

RUBY EVANS was born in Calgary, Canada, but lived most of her life in Albion, Nebraska, before coming to Portland in 1942.

She lost her husband when the "Shark", the first U.S. submarine lost in the last war, went down. Ruby worked at the Oregon Shipyard during the war and later sold Avon products before coming with us in May, 1951. Here she wired sweeps in the 512 group and started in the ceramics department in June, 1952.

Ruby's chief outside interest has been to make a

good home for her fourteen-year old daughter, Karen. She has recently become engaged to Bill Norton of Portland, and they plan to be married New Year's Eve.

HELEN ROSS started with Tektronix in 1948, when there were about thirty people in the plant. She has worked in assembly as a group leader, in shop in the bakelite department, and for the last year and a half in the ceramics department, presently casting molds.

She worked at Willamette Shipyard during the war doing sheet metal work and layout on aircraft carriers and inspecting lagging on piping systems.

Born in Carthage, Missouri, Helen went to school, college and business college there. She came to Portland twenty years ago, and with the help of her dad, who was a carpenter, she cleared land and built her own home.

Two years ago she won the Tektronix Golf Trophy, one of her most prized possessions.

Helen likes fishing, hunting and camping, as well as golf, and has also done oil painting. This versatile lady at one time helped build her sister's home and installed the wiring and part of the plumbing.

Helen first heard of Tektronix through her cousin, MEL LOFTON, when she was invited to join in a Tektronix treasure hunt, and she feels she has been taking part in one ever since.

LAUREL ZIRSCHKY arrived in Ceramics in October, 1952, and her background story appears in this issue's *TEKTRONIX TWOSOME*.

JUNE RUYLE has been introduced in an earlier Tek Talk story -- suffice it to say here that Ted considers her a most valued department member.

In conclusion we should mention that Ted himself has a ham radio station, WZEYP, and is an accomplished arranger and composer of chamber music. At the moment amateur frequencies and stringed harmonies are waiting while he and his able crew are busy building the Ceramics Department up to even bigger and better accomplishments.

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Teacher: "Now, Johnny, if I lay two eggs here and three over there and six more on that side of the room, how many will there be altogether?"

Johnny: "Personally, I don't think you can do it."



**WHEN ENTERING OR LEAVING
PARKING LOT GO WHERE YOU
ARE LOOKING.**

Whether they are a treat insted of a treatment, fully packed, filtered or coool, they have sent.....

BOYS AND GIRLS TO SUMMER CAMP

By Bill Webber

Do you think frogs can hear? If they could, certainly they would try hard to jump farther and faster under the frantic exhortations and loving care of their proud owner, and trainers. The boys in the picture were at camp this past summer and you see them starting a race of frogs they spent all morning catching. Of course the owner of the winning frog is a big man around camp and mighty proud on top of winning a prize.

Your money made this possible for a group of four girls and four boys who otherwise could not have gone to camp at all. \$96 from the sale of cigarettes handled through the help of our Shipping Department Gang was contributed to give each of these boys and girls one week of camp. Already there is \$71 in the bank toward an even greater number of children to enjoy a camp experience next summer.

The benefits of this camp experience are much deeper and longer lasting than just breathing fresh air, swimming and having fun other ways including racing frogs. We understand a detail story about each of the eight campers you sent would be too lengthy. However, perhaps you can gain an insight into the lasting benefits of the experience by reading the Camp Directors report which reads in part as follows:

"Glenn was a ten year old boy who had been adopted by foster parents. The foster parents had three other children, and although legally adopting him, showed very little affection toward him. Glenn had been a problem, not only in the home, but in school, and the parents had even tried taking him to the Child Guidance Clinic for psychiatric treatment. Fortunately, we had this information before he came to camp, and when he arrived, our best counselor was assigned to his group. The first few days Glenn was sullen and unwilling to participate in any of the activities, and broke camp regulations as fast as he could. Obviously his actions were all to gain attention, for so intense were his desires for attention and affection, he would

go to any extremes to satisfy this need. The counselor was instructed to adopt a "big brother" attitude toward Glenn, encouraging him to go along on all the trips that the counselor was assigned to. Almost within hours, this paid dividends. Glenn started taking an interest in camp activities, stopped breaking camp regulations, and began getting along with his fellow campers, whereas before he had had nothing but animosity towards them. By the end of the season, Glenn was a completely changed boy, and was what might be called an ideal camper. We talked to his foster parents, told them what we had learned about the boy, and what action had been taken. I am happy to report now the mother is having very little trouble with Glenn around the home and he is getting along well in school. Glenn's case was by no means original or exceptional—we have many similar cases each year".

Ours isn't the only group which subsidizes camp experiences for boys and girls who otherwise couldn't go. Campships, Inc. is a United Fund organization which provides the greatest amount of funds each year for this purpose. Your United Fund contribution will also serve to help this and other worthwhile programs.

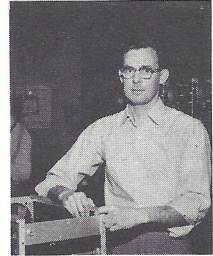
CREDIT COMMITTEE



Ray Greco



Ida May Norby



John Siddens



Frog Race; campers hunt all morning for frogs, then frog races are conducted in the afternoon, with prize winning owner of frog.

PEOPLE HAVE BEEN ASKING...

to whom do we go to see about a loan from the Tektronix Federal Credit Union. See anyone on the Credit Committee—RAY GRECO in the Cathode Ray Tube Department, IDA MAY NORBY in Accessories Group in Assembly II, or JOHN SIDDENS in Final Assembly in Assembly I. If more convenient, you may contact the Treasurer, DICK SCHMIDT, Field Maintenance Engineer in the front office, who keeps regular Credit Union hours from 3:00 to 4:00 P.M. daily.

The board of directors of the Credit Union are: SCOTTY PYLE, KEN WALLING, DICK SCHMIDT, JANE GRACE and DON CALNON.

TEKTRONIX TWOSOME

By LuCille Kain

One of the newest and happiest of our Tektronix Twosomes is Maryellen and Les Stevens.

Maryellen is the pretty, smiling "greeter" of all who cross the threshold of Tektronix, as well as being the cheery voice we hear via telephone and "squawk box".

Les is also in a pretty important spot — Accounting — better known as the "Pay Check Department".



Maryellen is a local product — born here in Portland and attending Beach Elementary and Jefferson High Schools. She's the ambitious type — working in an insurance office after school during her junior and senior years at Jefferson. After graduation she worked at Montgomery Ward and then in the Accounting Department of Pacific Tel. and Tel. During this time she also attended the Patricia Lee Modeling School and later went to business school to brush up on typing and shorthand. Maryellen came to Tektronix in June of 1952 and after working in various spots in the front office fell "heir" to the Switchboard and has been saying "Tektronix" and "Office" ever since!

Les is the travelled member of this team, having been born in Butte, Montana and attending school in Seattle, Denver and Salem. His education was interrupted at this point by the U.S. Navy. He was happy to spend a little more than a year for this — ahlih — Outfit.

In 1946 Les came to Portland to continue his education at Vanport College and then on to two years at the University of Oregon graduating in 1950 with a degree in Business Administration.

Prior to his coming to Tektronix in October of '51 he was in charge of the Finance Department of the Salvation Army in Portland.

Maryellen and Les met while she was on a date with his brother! But after that — well, as Maryellen puts it "Les seemed to take up all of my time". This went on for almost three years before the "I do's" were said.

The Stevens' now have an attractive apartment in Beaverton and spend their leisure moments in front of their TV set. Both enjoy sports and music, attending many football games, and Les plays his Euphonium (That's what I said) in the Salvation Army Band. One evening a week they go to evening classes at Portland State U. (This ambition is catching!)

As all newly married—they have their domestic troubles. Like the time Maryellen asked Les to take the Sunday roast out of the oven while she attended to the rest of the dinner. She handed him the platter and

went on with her work. When she turned around—he had taken the roast out all right—pan and all were setting on the platter and Les was back with the Sunday paper. Husbands!

Then there was the time Maryellen stood in the middle of the kitchen screaming—"Les, the toast is on fire"! Les strode in, pulled the plug on the toaster and put out the fire. Wives!

By Tress Van Diest & Jim Lilly

Sailing into the Tektronix Twosome view are the Zirschkys — Laurel and Gene.

Gene started working with us on July 31, 1951 in the Probes Department, which is currently part of the Accessories Group. He has just recently joined the Inspection Group.

Previous to coming here, Gene spent over five adventurous years in the Merchant Marine. He has toured around the world twice, seeing such places as Shanghai, Bombay, Calcutta, Egypt, Palestine, Australia and many other countries too numerous to mention. Once his ship was torpedoed off the Coast of Okinawa — luckily all aboard managed to be saved. He is quite adept at telling of his experiences, and as a result we were oft times on many journeys far from our work benches, visualizing the many adventures of life on the high seas.

While in port in our own fair city, Gene went out on a "blind date" with a Portland gal named Laurel Grover, and, yes, you guessed it, she managed to clip his sails. And so they were married.

LAUREL ZIRSCHKY came with us in October, 1952, going to work in the ceramics department. Previous to joining Tektronix, Laurel was a bookkeeper with the state civil service welfare department for two years.



For two years during the war she worked for the Northern Pacific Railroad as a telegrapher in various towns in Washington after learning the Morse Code in the N. P. Telegrapher School in Jamestown, North Dakota.

Born and raised in Portland, Laurel married Gene in 1947. Their home is in S.E. Portland, and Laurel's hobbies are crocheting, fancywork and ceramics — she hopes one day to have her own kiln in her home.

They spend many happy hours building their own home and enjoying hobbies of swimming, dancing, gardening and woodworking. A nice little cabinet shop is their pride and joy.

FRINGE BENEFITS

So many people have asked just what our fringe benefits are that DON ELLIS and DON KEPLER with the help of the Accounting Department have prepared this table so everyone here will know what fringe benefits we receive and of what value they are to individuals in various wage and monthly salary brackets.

We all realize that many of these benefits are provided by other companies—but few of them provide all of these benefits.

Column 1 is the *Base Rate per Hour*.

Column 2 is the *Basic Monthly Rate* figured on an average of 163 hours of work each month, not including vacation and paid holidays.

Column 3 is the *Basic Annual Rate* of pay figured on 1952 hours a year, not including vacation and holiday pay.

Column 4, *Paid Time Off*, includes six paid holidays, ten days vacation and ten days sick leave.

Column 5, *Bonus*, is the annual bonus paid in dollars based on the average amount paid since the beginning of 1949, which is 50%.

Column 6 *Social Security Tax*—the amount contributed by Tektronix is 1½% of earnings up to \$3600 in one year.

Column 7 covers *Unemployment Tax* amounting to 1½% of earnings up to \$3000 in one year.

Column 8 covers *Group Life and Health Insurance* in the amount paid by the company.

Column 9 is *State Industrial Accident* at the rate of 1 cent a day per person.

Column 10 covers *Personal Services*, such as company parties, picnics, coffee, tea, movies, music, etc.

Column 11 is the *Total Annual Value* of what Tektronix pays to and for the individual, including base pay, bonus based on average of past percentages, and all fringe benefits.

Column 12 is the *Total Average Monthly Value* based on cost to Tektronix, including base pay, bonus on an average, and all Tektronix benefits.

Column 13 shows the *Average Monthly Value* of base pay and fringe benefits, *without* the bonus.

Column 14 is the *Total Average Hourly Value* of base pay and fringe benefits *with* the bonus.

Column 15 is the *Average Hourly Value* including base pay and fringe benefits *without* the bonus.

Base Rate Per Hour	Base Rate Monthly	Base Rate Yearly	Paid Time Off	Bonus	Social Security Tax	Unemployment Tax	Group Life-Health Ins.	State Industrial Tax	Personal Services	Total Annual Value	Total Avg. Mthly. Value	Total Avg. Hourly Value	Total Avg. Hourly Value	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
\$1.05	\$171.	\$2050.	\$218.	\$1134.	\$51.	\$45.	\$52.	\$3.00	\$30.	\$3583.	\$299.	\$205.	\$1.84	\$1.25
1.10	179.	2147.	229.	1188.	54.	45.	52.	3.00	30.	3748.	312.	213.	1.92	1.31
1.15	187.	2245.	239.	1242.	54.	45.	53.	3.00	30.	3911.	326.	223.	2.00	1.37
1.20	196.	2342.	250.	1242.	54.	45.	53.	3.00	30.	4073.	339.	231.	2.09	1.42
1.25	204.	2440.	260.	1350.	54.	45.	53.	3.00	30.	4235.	353.	241.	2.17	1.47
1.30	212.	2538.	270.	1404.	54.	45.	56.	3.00	30.	4400.	367.	250.	2.25	1.53
1.45	236.	2830.	302.	1566.	54.	45.	56.	3.00	30.	4886.	407.	277.	2.50	1.70
1.70	277.	3318.	354.	1836.	54.	45.	56.	3.00	30.	5696.	457.	322.	2.92	1.98
1.90	310.	3709.	395.	2052.	54.	45.	58.	3.00	30.	6346.	529.	358.	3.25	2.20
	350.	4200.	448.	2324.	54.	45.	58.	3.00	30.	7162.	597.	403.	3.67	2.47
	400.	4800.	511.	2655.	54.	45.	58.	3.00	30.	8155.	680.	469.	4.18	2.88
	500.	6000.	639.	3320.	54.	45.	58.	3.00	30.	10150.	846.	569.	5.20	3.49

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A CREDIT UNION DIGEST

To keep new employees informed, and to refresh the memories of the rest of us, the following questions and answers on the Tektronix Credit Union have been consolidated.

How do you become a member?

Apply in writing. Pay 25 cents entry fee. Buy at least one share of capital (\$5.00).

What do you gain as a member?

A savings account (the painless way) which earns dividends annually. The right to borrow quickly and easily as emergencies or desires arise (for provident or productive purposes).

What is the annual dividend?

In 1952 it was 4.8%, our first year of operation.

How does this compare with banks?

Your money earns more in the Credit Union. Present bank dividends are from 2½% to 3%.

How many shares can you buy?

Limit: 10% of total shares, or \$6,500.

Can you withdraw your money?

Yes. The by-laws provide for a 90-day notice in writing of intent to withdraw, but this requirement has never been exercised.

What happens if you leave?

You take your money with you if you want to or leave it in savings here.

MT. ST. HELENS AND SPIRIT LAKE

By Reggie Green

Cerulean skies and sunshine vivified the spirits of Tektronix hikers on the jaunt to Ape Canyon up Timberline trail.

Lunching prematurely (to lighten pack-sacks) at a Spirit Lake camp site were Nellie and MILES TIPPERY and children, Mr. and Mrs. Allison (Nellie's parents), Dorothy and DERROL PENNINGTON and family, WIN BACKSTRAND, LEO WULFF, FRED TINKER, PAUL HANSEN, HAWK AU, Mae Wong, JACK MURDOCK, DON ELLIS, BLANCHE COOK, and daughter Suzanne, HELEN WALKER and myself. Forthwith following lunchtime, these blithe countenances, sun-glassed, steeped in sun lotion and insect repellent, eagerly greeted the serpentine slopes winding amongst Mt. St. Helens' volcanic foothills. Spirits adamant, the valorous group braved undaunted the pebbly volcanic ash, and booted a trail across an extensive glacier. (Incidentally, on the return trip the more fervid ice-enthusiasts, Jack, Win and Derrol, slid, partially banister-style, down this frozen glare.)

On the brink overlooking Ape Canyon a mettlesome minority climbed hills, the others surveyed halcyon Mt. Adams, resplendent far away.

Nellie Tippery recounted the ancient superstition surrounding the cryptic title of Ape Canyon, reviving timorous spirits (fearful of meeting their counterparts here?) into renewed joviality.

Back at the camp site, merry, wind-blown hours later, boat riding in placid Spirit Lake captivated many. A few with questionable ardor for chilly waters refulgent with the sun's last rays, cast accentuated pleasantness on the boat trip shorewise.

There, strenght-spent, contented hikers prepared for nighttime. Tipperys and Penningtons, Win, Leo and Fred stayed on through Sunday. The latter three skirted further Mt. St. Helens foothills to attest to the restful beauty of St. Helen's Lake and the verdant hillsides ablaze with a kaleidoscope of blooms.

The hike was truly a memory to retain.

Come wintertime and rain, one can ensconce oneself in an armchair before a cozy fire, and recapture the delectable fragrance of a Douglas fir, the cool enchantment of a glacier snowball, and the friendships encountered in a day of summer hiking, all aglow in the silent reticence of one's own prized reminiscings.

VACATIONISTS AT TEKTRONIX

The Shop had five summer employees:

BRUCE RUMMER spent his third summer here this year, lacquering in the paint shop. He is married, has a ten month old daughter, and lives in Newberg. Bruce is a graduate of Oregon State, science major, and entered the Air Force in September.

PAUL MACKKEY has been in the etch department. He is a Sophomore at Portland State, taking liberal arts, majoring in biological science. Paul has no definite future plans, and is in the Coast Guard Reserve.

GLENN MITCHELL worked on scopemobiles. He's a Sophomore at Western States College of Chiropractic and Naturopathy. Glenn is in the National Guard, Sunset Division, Medical Company. After

completing his schooling, Glenn is fortunate in having a practice set-up for him to take over from a retiring doctor.

DENIS KIDD is working in the bakelite department. He is married to Dona who recently left us. Denis is a graduate of Portland University, an English major. He is a lieutenant in the Air Force R.O. T.C. Denis expected to win the golf tournament here — and did.

GEORGE JANSEN is working on scopemobiles, and this is his second summer here. George is a Junior at Oregon State, majoring in chemical engineering. Before returning to school, he and Glenn toured British Columbia.

KEN AUSTIN is working in the Engineering Department, building production equipment for tube manufacture. He is married and lives in Newberg. Majoring in industrial engineering at Oregon State, he will return to school after entering his car, which he designed and built, in the time trials at Bonneville Salt Flats, Utah.

BERT HOWE, another engineer, has a bachelor's degree from the University of California and a Ph. D. from UCLA. Bert taught physics at Reed College last year. He is married and has three little Howes. He had a song recording business at UCLA as a part time job, and also worked for the United Airlines as a flight engineer.

BOWLING FOR TEK AND FUN

By Don Ellis and Dick Schmidt

Tektronix bowling has continued to grow from the original Tektronix League to a League and a team in another league last year, and to a league and two teams this year. Last year's team ended sixth in a ten-team league.

One Tektronix Team bowling every Tuesday evening at 7:00 P.M. in the MEN'S COMMERCIAL LEAGUE at Canyon Bowl, Beaverton is holding up pretty well. It is now in first place, having held that position for five of the eight weeks, and second spot the other three.

The team is well balanced except for Burt Eberly who is carrying an average of 171. The others are Dick Ropiequet — 163, Don Ellis — 153, Roger Carter — 148, and Don Calnon — 147. Needed assistance was given by spares Chuck Gasser — 157, and Carl Helmer — 155.

The other Tektronix Team bowls Fridays at 9:00 P.M. in the TUALATIN VALLEY LEAGUE, also at Canyon Bowl. Members of this team are Chuck Gasser with an average of 157, Don Pratt — 138, Sid Jones — 154, Carl Helmer — 161, and Dick Schmidt — 158. Subs are Don Calnon — 155, and Burt Eberly — 164. The team is fourth in the eight-team League.

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I'd rather be a could be
If I could not be an are
For a could be is a maybe
With a chance of touching par.
I'd rather be a has been
Than a might have been, by far,
For a might have been has never been
But a has been was once an are.
(Submitted by LOIS SCOTT)

UNITED STATES VERSUS THE WORLD IN EARNING POWER

The comparative figures below on the earning power of an auto mechanic and a telephone operator in the United States and four other countries, published by

the New York Journal-American, highlight the preferred position of Americans in the economic picture of the world.

	Butter	Bread	Bacon	Coffee	Radio	Nylons
Auto Mechanic						
United States	22 mins.	4 mins.	16 mins.	23 mins.	1 day 2 hours	30 mins.
Russia	7 hours 15 mins.	51 mins.	10 hours 24 mins.	17 hours 36 mins.	5 weeks 2 days	13 hours 45 mins.
England	48 mins.	6 mins.	1 hour 3 mins.	1 hour 36 mins.	3 weeks	2 hours 48 mins.
France	1 hour 48 mins.	7 mins.	2 hours 9 mins.	1 hour 42 mins.	1 ½ wks.	4 hours 42 mins.
Italy	3 hours 20 mins.	21 mins.	2 hours 36 mins.	5 hours	21 days 1 hour	6 hours
Telephone Operator						
United States	30 mins.	6 mins.	22 mins.	32 mins.	1 day 5 ½ hrs.	40 mins.
Russia	14 hours 30 mins.	1 hour 42 mins.	20 hours 48 mins.	35 hours 12 mins.	10 weeks 4 days	27 hours 30 mins.
England	48 mins.	6 mins.	1 hour 3 mins.	1 hour 36 mins.	3 weeks	2 hours 48 mins.
France	2 hours 36 mins.	9 mins.	2 hours 54 mins.	2 hours 18 mins.	1 week 5 days	6 hours 6 mins.
Italy	3 hours 36 mins.	24 mins.	2 hours 48 mins.	6 hours 10 mins.	1 month 3 days	6 hours 36 mins.

WORDS OF WISDOM

"If a nation values anything more than freedom, it will lose its freedom; and the irony of it is that if

it is comfort or money it values more, it will lose that too." W. Somerset Maugham

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(Tax Cut Continued from page 3.)

\$300 a month, he will get an increase of \$1.60. If he makes \$375, his increase will be \$3.00 a month.

Social Security Tax Up

However, there is another law that cannot be overlooked when considering a take-home pay increase due to lower taxes. The Social Security tax paid by both worker and employer on the first \$3600 of the worker's annual pay is scheduled to increase from 1½ % to 2 % on January 1, 1954.

The effect of these two laws is in opposite directions for the tax reductions shown in the examples above will be offset by monthly social security increases of \$1.12, \$1.50 and \$1.50 respectively. The*

net results is that the man making \$225 a month will have \$1.02 less in his monthly pay envelope, the man making \$300 will come out with 10 cents a month more, and the man making \$375 will gain \$1.50 a month from the two tax actions.

If you are self-employed, your income tax will be about 10 per cent lower while your social security tax will increase from 2¼ per cent to 3 per cent on your first \$3,600. If you are not covered by Social Security, you will get the full benefit of the January income tax reduction.

*Because the tax is withheld only on the first \$3,600 of income the \$375-a-month man will actually pay \$1.87 a month more for about 9½ months, and nothing thereafter—which averages \$1.50 a month for the year. Reprint from WASHINGTON REPORT Oct. 23, '53



Copacabana Beach in Rio de Janeiro

Reprinted from *BRAZIL*.

SOUTH OF THE BORDER

By Marj Drain

(Continued from the last issue.)

Our next stop after Santiago, Chile, was Buenos Aires, Argentina. From the air, Argentina appears to be very progressive and prosperous—neat little patches of fields below and well kept farm houses. The atmosphere is rather like an icy breeze on the back of one's neck—even aside from the fact that the temperature was down to about 37 degrees. One had the feeling that he had best not talk out of turn or there would be consequences. The high spot of our stay in B. A. was hearing the opera "Don Carlos" at the fabulous Teatro Colon, the largest opera house in South America. The opera was splendidly performed, although the outstanding participant was Jerome Hines of our own Met. In one scene there were approximately 200 people, including principals and chorus, and the huge stage didn't even look cluttered.

Next on our schedule was Montevideo, Uruguay. Montevideo was more like the United States than any other city we visited. There were many people who could speak a certain brand of English, and they enjoyed trying it out on us. We welcomed every attempt, since our Spanish had progressed only to the counting-to-ten stage. The Uruguayans celebrated their Constitution Day while we were there, and we mingled with the crowds, listening to the bands and watching the parade. When it was time for the political speeches—in Spanish yet—we gracefully bowed out. Montevideo, has the easy, languid attitude of a typical resort town, and we enjoyed it immensely. It was a relief after the determined industry of B. A. The Commercial Attache to the American Embassy in Montevideo and his wife showed us around the city, and we could not have asked for better guides. One of the highlights in Montevideo was a performance by

a group of Spanish dancers, unusually skilled and delightfully costumed. The program began at 10:15 in the evening, a perfectly normal hour, since dinner is from 8:00 to 10:00 P. M. I still don't know when South Americans sleep, since most of them, particularly in the cities, don't actually sleep during the siesta time—they merely spend two to three hours eating lunch. Most of them start work at 8:30 or 9:00 AM as we do, take three hours off in the middle of the day, and work till 7:00 P. M., with dinner from 8:00 to 10:00. (I didn't want to get trapped into discussions of food, but this I must mention—in Montevideo we paid two U.S. dollars a day for all our meals and we could have three inch filet mignons for every meal but breakfast if we wanted them—and we did!)

Sao Paulo, Brazil was next on our itinerary. Sao Paulo is a bustling, progressive city with a population comparable with Rio's. It is the coffee center of Brazil. We took a side trip to Santos, the coffee port, and visited the Coffee Exchange, where the bidding sounded a good deal like the famed tobacco auctioneers in our cigarette advertising—about as easy to understand too.

In Rio we were delighted to find that our hotel was right on Copacabana Beach. Even though it's winter-time in Rio, the sun was shining and it was warmer than the Oregon beaches ever are. Going in the surf is a pretty pleasant experience on Copacabana Beach! We toured Rio, traveling through Tijuca Forest, to Corcovado where the famous statue of Christ looks down upon all of Rio, to Petropolis, resort town of the monied people of Brazil, and a number of other places. Rio is a wonderful spot for nature lovers—wish we could have stayed longer.

Our next flight was a long one, from Rio to Port of Spain, Trinidad. Brazil is as large as the United States with an extra Texas thrown in, so we had (Continued on page 10.)

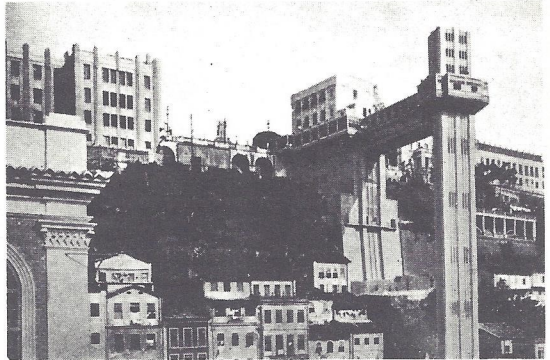
(Brazil Continued from page 9.)

plenty of territory to cover. In Trinidad we saw lots of bamboo, rice, and sugar cane. There were huge herds of water buffalo, and one of the common modes of transportation is by water-buffalo-drawn carts. Of all the places we visited, Trinidad is the only one where traffic moves on the left-hand side of the road. This can be quite awkward when driving a car with a left-hand drive.

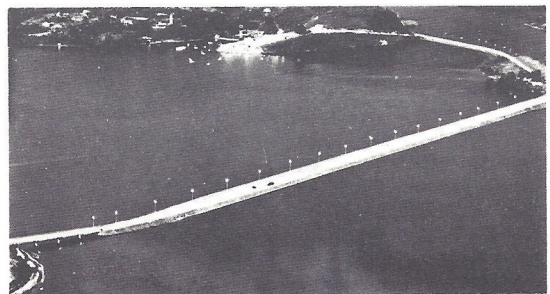
San Juan, Puerto Rico was our last stop before returning to the States. Here too our hotel was right on the beach, but it was too windy to enjoy it the day we were there. It was certainly a relief to get back to the U.S. dollar again! The flora of Puerto Rico is very similar to that of Panama.

While in South America, I had the opportunity of meeting our distributors for Argentina and Brazil, and received from them an authentic story on the difficulties the South American countries have encountered in importing instruments. As an example I'll try to give you a brief story on Brazil. The healthiest economic condition for any country exists when their import and export trade are in balance. During the war, Brazil exported many items to the countries at war, and particularly with regard to the United States, accumulated a very large credit in U.S. dollars, inasmuch as practically all U.S. goods were utilized in the war effort. Following the war, many enterprising Brazilians went into the import business, and imported U.S. goods which quickly overcame the accumulated credit and was completely out of proportion to maintain a normal, healthy balance. Not only was her credit depleted, but she became indebted to such an extent that the Brazilian Government ruled that no more goods would be imported until Brazil could once more get on a solid economic footing. Even automobiles, which we consider practically a necessity, are not allowed to be imported into Brazil, and when a few are sneaked in through the black market, outrageous prices are demanded. A new Chevrolet in the various South American countries would range in price from 800 to 17,000

U.S. dollars. The chances of importing an oscilloscope into Brazil at the present time are even more remote, since electronic instruments are not considered an absolute necessity. However, our Brazilian distributors are confident that there is a good market for our instruments in Brazil, and that the economic situation will equalize toward the end of this year and trade can be resumed on a normal basis. — Any questions?



Salvador, showing the Lacerda elevator which connects the upper and lower levels of the city. Reprint from *BRAZIL*



Brazil's most modern highway, the 35-mile-long Via Anchieta, between Santos and Sao Paulo. Reprint from *BRAZIL*



Church of Bom Jesus do Matozinho in Congonhas do Campo, famous for statues by Aleijadinho. (Reprint from *BRAZIL*.)

EASTERN FIELD OFFICE NEWS

On Saturday evening, October 10, 1953, a group of friends and associates gathered to celebrate the birthday of EVELYN DUNHAM and to wish her many happy returns of the day.

MARGARET JOHNSON and husband John were hosts at their Bronxville apartment. Margaret and Evelyn comprise the Enginrear contingent at the Bronxville Field Office.

All on hand were treated at an early (?) hour to hamburgs (East Coast jargon for hamburgers) prepared by the honored guest herself. The modest number of candles which decorated the birthday cake were confident that her fondest "wish" will be granted, extinguished in a single blow by Evelyn and we are

In attendance were Mr. and Mrs. Johnson; their houseguests and long time friends Don, Zilla and Lisa Deagan; Norma and JACK CASSIDY; DICK ELLSTROM; DAL; ANN DWINELLE, Syracuse Enginrear, and, of course, EVELYN DUNHAM.

A fine time was had by all and the final song was "Why Don't We Do This More Often".

BABY PARADE

A pretty colleen named Mary Jo entered the lives and hearts of Vera and JOE O'MEARA, spray painter in Shop, on November 4. Big brother Patrick Michael, age two, approves.

ED STOWE of Shop, and wife Joyce, acquired a baby sister for Wilma on October 30, weighing 7 lbs. 9½ oz.

PAUL TRIPP and his wife Shirley are first-time parents since September 21st when Kathleen arrived. Joyce presented GENE CAVANAUGH of Purchasing with a belated birthday remembrance on October 15 weighing 8 lbs. 13½ oz. They have Linda Carol, age 5, and Douglas Eugene, age 2—the present addition is Steven Mark.

The last issue of Tek Talk, we are sorry to say, omitted announcing:

Flonence and VERNON WALKER (Stock) had a 6 lb. 6 oz. baby girl on July 24—Anne Elizabeth. She's their first—of the half dozen on order.

A first child was also born to Natalie and JEAN DELORD (Engineering) on July 27—Catherine.

The DON LARSEN (Component Test) household is being bossed since July 15 by the tiny but mighty Donald Robert.

A baby girl joined the JACK HUGHES (Final Assembly) gang on September 28 to total a family of five—Leone and Jack, and offsprings Roger, Jacqueline and Debra Lynn.

Dona and DENIS KIDD (Shop) are trainer and manager, respectively, of Kidd Carl David since September 19 at which time he weighed in at 6 lbs. 14½ oz. They say the Kidd's a champ.

Much to be thankful for have JOHN KOBBE of Engineering and Geneva, formerly of the front office. Their first son was born on November 10, weighing 9 lbs. 11 oz., and will be known as Rick Allen Kobbe.

NEW FACES

in Assembly belong to HAZEL LOVE, Cables, and REGINA COSBY, Mechanical Assembly. Returning to the fold are MONICA VAN MUNSTER, Unit Wiring, and JOHN RIESCHEL in Final Assembly. The Test Department acquired FRANK THOMAS. In Shop it's JOE O'MEARA, the new Janitor is BENJAMIN MORLOCK, in the Printing Department it's ERNIE PLAPP. For Tube Production we have LAURA LUSK, and ANA HAAS has returned. The Engineering Dept. has added "TOMMY" THOMPSON. In Purchasing ROBERT "FITZ" FITZGERALD is back on the scene. The Stock Department has welcomed LLOYD DAVIDSON, "LEFTY" VANDEHEY, "CORKY" HYMES, JOE DIMEO, BILL SEDIG and JOE SCHWARY. ORPHA ENMARK joined the front office in Field Maintenance, and CARLA OPPEN is the new girl in Ceramics. The Transformer Department is happy to have JERRY HITCHCOCK back.

* * *

"There are three sides to every question, Yours, Mine, and the Right one."



If I sought just the good in you,
And you the good in me,
Perhaps within a day or two
We'd find a remedy
For all distrust—suspicion, too,
And we'd quite friendly be—
If I sought just the good in you,
And you the good in me. —Carl C. Helm

* * *

Herky: "How old is you?"
Jerky: "I is five. How old is you?"
Herky: "I don't know!"
Jerky: "You don't know how old you is?"
Herky: "Nope."
Jerky: "Does women bother you?"
Herky: "Nope."
Jerky: "You is four."

* * *

"Consideration, is what a lady shows when she shoots her husband with a bow and arrow because she doesn't want to wake the children."

* * *

Druggist: "Did that mudpack I suggested improve your wife's appearance?"
Customer: "It did for a few days, but then it wore off."

* * *

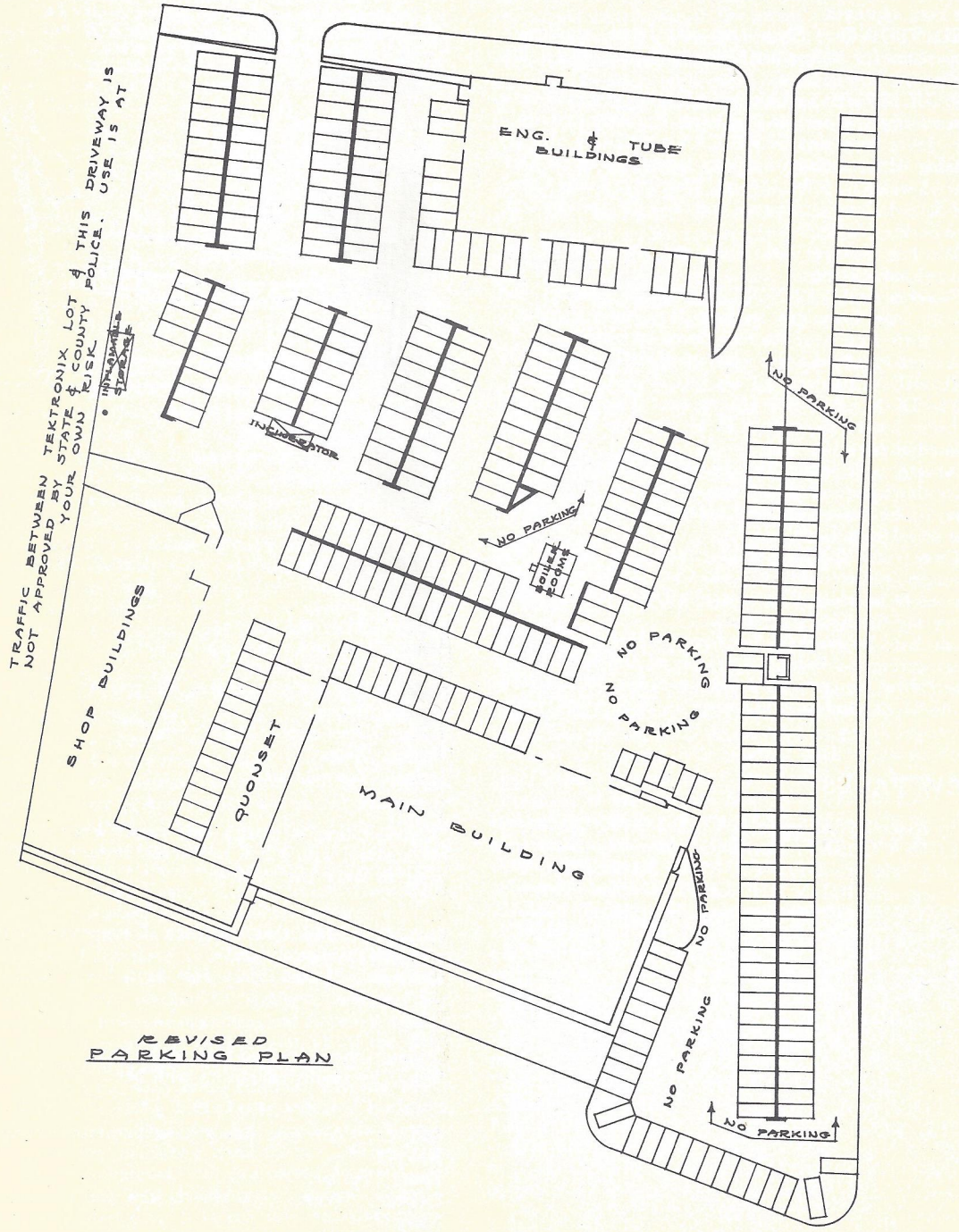
"Waiter, there are two flies in my soup."
"So... he finally caught up with her."

* * *

Officer: "Are you happy now that you are in the Navy?"
Boot: "Yes sir."
Officer: "What were you before you got into the Navy?"
Boot: "Much happier."

* * *

TRAFFIC BETWEEN TEKTRONIX LOT 4 THIS DRIVEWAY IS NOT APPROVED BY STATE & COUNTY POLICE. USE IS AT YOUR OWN RISK.



REVISED PARKING PLAN