

TEK TALK

VOL. 5 — Number 11

Employee's Publication of Tektronix, Inc.

November, 1958

BLOOD BANK GETS 237 PINT DEPOSIT

Friday afternoon, October 24th, the Bloodmobile from the Regional Blood Center in Portland stopped at the new Beaverton Plant of Tektronix, Inc. for the second drawing participated in by Tektronix employees this year.

Two hundred sixty-one volunteers asked to donate blood at this drawing and only twenty-four were deferred because of current health conditions or other reasons. This brought the record total of 237 pints of whole blood which was loaded into the Bloodmobile for delivery to the Regional Blood Center in Portland. The Bloodmobile was set up in the Beaverton Plant lunchroom shortly after noon and blood drawing began at 1:00 P.M. The drawing continued until 4:30 P.M. Ten beds were set up to accommodate the donors who were cared for by volunteer Red Cross nurses at five blood drawing stations.



The Tektronix Blood Bank program is now in its seventh year with a very good record of participation. Last year, Don Pratt, Tektronix Blood Drive Chairman accepted a Certificate of Appreciation from the Red Cross on behalf of the employees of Tektronix for cooperation shown to the Blood Program. Until this year, space has not been available at Tektronix to set up a blood donating station and employees have participated with either the Beaverton or Cedar Hills community drawings. With nearly 1800 employees, close to a 1000 of which work in the Beaverton Plant, the problem of transportation and waiting lines have been minimized by bringing the Bloodmobile to the plant area.

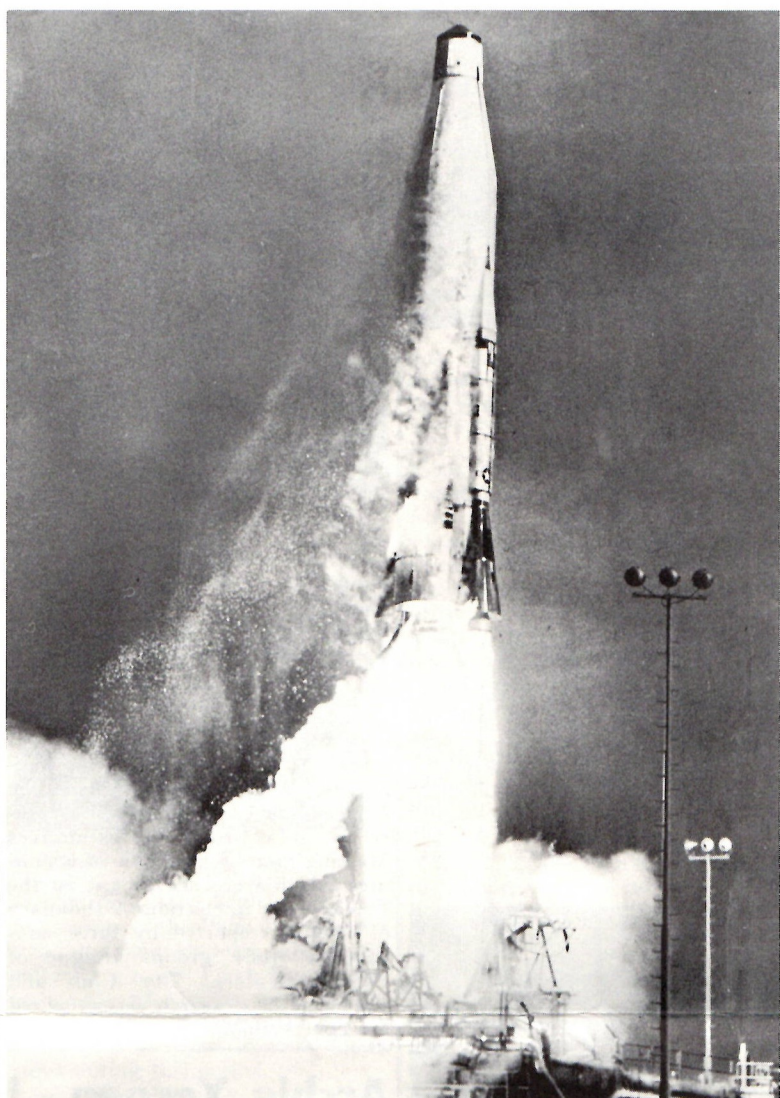


Temperature & pressure rising

All volunteers at Tektronix were given time appointment cards that scheduled their arrival at the lunchroom. This scheduling and the proficiency of the Bloodmobile staff and volunteer aids contributed to the successful drive.

Note received from Betty Ewin September 22, thanked Tek for extending the facilities of the Blood Bank to her during a recent illness.

Betty is the wife of Bill Ewin, Field Engineer in our Philadelphia Office.



THE BIG ONE FLIES—The mighty Atlas intercontinental ballistic missile rises majestically from its launch pad at Cape Canaveral, Fla. The Air Force's "Sunday punch" weapon, standing as tall as a seven-story building, is boosted into space by the fiery thrust of three huge rocket engines. Frost encrusting the liquid oxygen tank is shaken off as the missile rises, falling in a swirling cloud of ice particles. This shows the successful launching of Aug. 2, 1958, when an Atlas hurtled more than 2,500 miles across the Atlantic. The missile is built at San Diego, Calif. by Convair (Astronautics) Division, General Dynamics Corporation. Atlas contains more than 40,000 parts, supplied by firms in 32 states.



Tektronix instruments played an important part in the Atlas project. The Type 531 oscilloscope is shown here in use in the Convair-Astronautics Standards Laboratory where new electronic equipment for the Atlas missile program is tested.

CUSTOMER TELLS OF TEK IN PUBLICITY OF ATLAS PROJECT

In a recent press release by Convair/Astronautics, Tektronix was one of four Oregon firms listed as suppliers to the Atlas project. The others were: Electric Steel Foundry, Electro Measurements, Inc. and Osborne Electronic Sales Corp.

Because Convair is a user of Tektronix oscilloscopes as well as auxiliary equipment such as generators, and preamplifiers; a few facts about our customer and their project should be of some interest to those of us that often wonder where oscilloscopes are used and what function they perform in this space age.

The SM-65 ATLAS is America's first intercontinental ballistic missile. With associated ground equipment it comprises the Air Force weapon system WS 107A-1. The missile is in pilot production at San Diego by Convair (Astronautics) Division, General Dynamics Corporation. This customer of ours is called on by Ken Dellinger, Field Engineer in San Diego area. (You may recall that Ken and Eddie Richmond from the Portland Field Engineering Training Department gave a series of training sessions to Convair (Astronautics) engineers on the use of oscilloscopes during the last year.)

The Atlas is designed to deliver a thermonuclear warhead 6,325 statute miles. It is powered by a cluster of liquid propellant rocket engines, burning liquid oxygen and RP-1, a kerosene-like hydrocarbon fuel. The missile is approximately 75 feet long and 10 feet in diameter. Weights and thrust are classified.

Conventional long-range missiles consist of two or more rockets, one mounted on another. The bottom or booster rocket furnishes all power until it burns out. Then it drops away and the next stage is ignited. The Atlas system—so called "one and one-half" staging—is unique in having two sets of engines but only one rocket tank structure. This permits lighting the upper-stage (sustainer) engine on the ground. There is no risk that the missile will abort through failure to achieve ignition many miles in the air.

The goal of Project Atlas is a dependable missile that is "producible and operable"—one that can be manufactured with assembly line techniques and operated by regular military personnel.

Atlas missiles assigned to ground testing are sent to two California facilities, Sycamore Canyon, near San Diego, and the Missile Static Test Site (formerly Edwards Rocket Base), to be expended in a rigorous and exhaustive program of captive testing by Convair. (A new plane can be repeatedly test-flown, modified and flown again. A missile cannot be. Hence much development testing is done on the ground, with the missile tied down but otherwise simulating flight operations as nearly as possible.)

Convair's associate contractors, in addition to Rocketdyne, (Division of North American Aviation) in-



clude General Electric Co. and the Burroughs Corp., radio-inertial guidance (to be followed by American Bosch Arma Corp., all-inertial guidance); General Electric Co., nose cone; and Sunstrand Turbo Division (formerly American Machine and Foundry), development of an airborne accessory power supply.

The Atlas is scheduled to achieve initial operational capability by the end of 1959. The buildup to this achievement including construction of Atlas complexes at four bases—is directed by the Strategic Air Command, commanded by Major General David Wase, with headquarters at Vandenberg Air Force Base, Lompoc, California.

Construction of the first complex at Vandenberg is well advanced (summer 1958) and work has started at Francis E. Warren Air Force Base, Cheyenne, Wyoming. The third and fourth Atlas Bases will be constructed at Offutt AFB, Omaha, Neb., and Fairchild AFB, Spokane, Wn. Convair also will assist the Air Force in the installation of training facilities at other bases.

The Atlas and Space Convair space studies started in 1952; in 1956 the directors of parent General Dynamics Corporation appropriated \$20,000,000 to build a plant for a new Convair division called Astronautics. This division was created to carry on Project Atlas and specialize in space technology.

In January of 1958 Convair was able to submit an integrated space development plan to the government when the first Russian satellite was launched. The plan was based on use of the powerful Atlas booster to place satellites considerably heavier than the Sputniks in orbit; to enable men to operate in a recoverable satellite or permanent space station to land instruments on the moon, or send instrumented "artificial comets" into interplanetary space.

Information used in this article on the Atlas Project was furnished by the Editorial Section of Convair-Astronautics and has been previously cleared with the Military for publication.

This then is one of our customers, a company considering engineering developments that may carry man across the threshold from experiences confined to one world and into an era of exploration of the universe.

The Tektronix oscilloscope, the excellence of which is generally accepted in the electronics industry, is an instrument of exceptionally high quality and great utility. Tektronix strives continually toward this aim of producing high quality instruments—with high employee morale as one of its greatest assets.

Tek Talk

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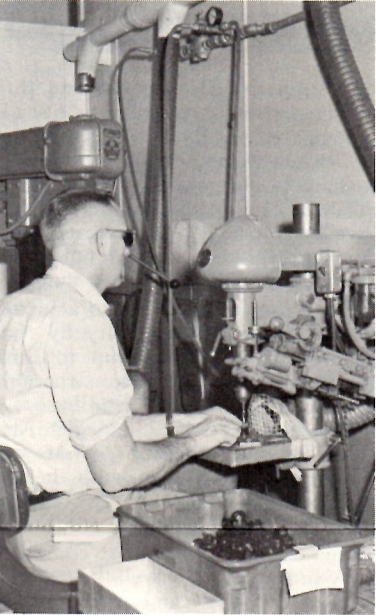
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HANDICAPPED? ...perhaps



Since Sept. 15th, Glen Mathewson has been an employee of Tektronix. Some months before, an interested friend persuaded Glen to apply for work here. He had interviews with Don Kepler, our personnel director who heard Glen's story and was impressed with his courage, work attitude, and self confidence. Glen was told that there might not be work here that he could do, but if he was sincerely interested in coming to work here and had the patience to wait for a possible opening—he would hear from us.

Duncan Bergeron, in charge of Plastics Department, thought he might have something that Glen could do and was willing to give him a try. Thus far the move has been a wise one for Glen and for us, and this is not merely an end to a story but a beginning—each day seems to show more promise for the full utilization of Glen's ability.

Glen was born in North Carolina, coming to Oregon in 1936 at the age of 17. Two years later, the accidental discharge of 94 blasting caps in a logging camp at Valselt, Oregon drew the curtain shut permanently on Glen's sight. Two operations were attempted but neither of his eyes could be saved.

Like many other sightless people, Glen Attended the Blind Trade School at 84th and Glisan in Portland. This was during 1939 and 1940. It was here that Glen met his wife Evelyn. She is also totally blind. They were married on April 20, 1940 and are now a full-fledged family, having a daughter, Helen, who is nearly 15 years old.

Indicative of his independent spirit, Glen bought a confectionary stand in Salem and had seven people employed. At the start of World War II he lost this business, and worked at unloading trucks, in cannerys and doing construction work.

In 1946, Glen and his family moved to Portland where they now

An introduction to a new Tek in recognition of National Employ the Physical Handicapped Week—Oct. 5 to 11.

make their home, at 6006 S.E. Woodyard. He started a coat hanger business called Wire Specialties which prospered until the start of the Korean War, and this was lost also. Never giving up, he started a repair shop in his basement where he repaired and rebuilt lawnmowers and bicycles.

Since coming to Tektronix, Glen has already successfully run the vacuum forming machine which makes plastic front covers. He works on knobs, putting in the inserts. He runs the automatic drill press, drilling top holes in knobs and probes. He also runs a semi-automatic assembly machine which makes latch nuts, and operates the multi-drill press which is used for drilling filters, and gratitudes. He also does trimming on smaller plastic parts.

In the words of those who work with Glen. "There isn't a job he's been on so far that he hasn't done as well or better than the rest of us".

This is certainly proof enough that a blind employee is not necessarily handicapped.

There are a number of others in the Tektronix family that are also limited in some of their activities and are performing very well at the jobs that they can do. Most of them are so well adjusted to their jobs and are so much members of the working groups that it would be difficult to determine, by a casual look around, which of our people are playing the occupational game with a handicap. Each of them, (we know), would probably have an interesting story to tell; some of them possibly more dramatic than others.

Let this suffice for now—that Tektronix is glad that there are jobs here that they can do on which their performance can be measured by the same values used for all Tek

In reference to the NEPH program Howard Vollum said, "The real credit for the success of the NEPH program goes to the handicapped themselves. It is not difficult to be enthusiastic when you realize that so-called handicapped persons equal or excel other workers in abilities and skills not affected by their prsnonal handicap. Their job stability records are generally superior."

Ed. Note: It has been said that it is what a person can do, and will do that is far more important than what he could do, but does not.

Here's
An opportunity to see a
Tektronix Oscilloscope on display!
There will be Tektronix instruments displayed at the Benson Polytechnic INDUSTRIAL TOOL SHOW, DECEMBER 12-13.

10 YEAR CLUB

Felicitations, that is, on the occasion of his tenth anniversary as an employee of Tektronix. John Taylor was surprised at a well manouvered coffee-break on October 22nd in the Beaverton Plant lunchroom. On hand to make the moment a memorable one were all members of John's Assembly Department and as many more of his close associates as could crowd into the lunchroom.



Bob Davis, Jack Murdock and Howard Vollum said a few words to honor John before the cake was cut.

Timing was just right to make it possible for Jack Murdock, Howard Vollum and Bob Davis to join the festivities that were coordinated by the Assembly groups. Bob Davis gave John a snappy verbal salute and promised that his twentieth year could be even better. Congratulations and expressions of sincere acknowledgement for John's contribution to company growth were extended to him by Howard and Jack. Everyone seemed to get a lot of enjoyment out of sharing coffee and cake with John on "his day", while he took his bows and admitted that for once he was speechless.



Marybeth and John celebrate his 10th Tek Anniversary.

John's wife Marybeth was present to enjoy the surprise with him.

John is a native Oregonian, living in Portland most of his life. He attended public schools here and graduated from Franklin High School in 1942. He worked with Western Electric as an installer before and after his service as a pilot in the Army Air Corps during World War II. John came to Tektronix in October 1948.

John is now Head of the Assembly Department which is responsible for taking fabricated and pre-punched metal chassis, wires, electronic components and hardware and assembling them prior to Test and Cal.

John, participates in the Men's Bowling League and Golf Club activities. He is still interested and active in a life long hobby of building model aircraft.



The 2 o'clock coffee break was a big one that day!

ELECTION INTEREST STIMULATED



Incumbent Governor Robert D. Holmes, Bill Webber and Tektronix employee, Betty Nichols (aspirant for the office of Washington County Treasurer) met in the lobby of the Sunset Plant prior to a pre-election tour of the Beaverton Plant.

In the interest of helping employees become better informed on measures, tax levies and candidates before the election, some positive steps were taken this year at Tektronix.

Jack Day discussed measures at a county level that he felt were of particular concern to us as employees and voting citizens. The high points of his discussion presented at a Group Representatives Meeting were reported in the minutes which were distributed on the Friday prior to election. A summary of findings reported by three non-partisan study groups League of Women Voters, City Club and Oregon Tax Research was prepared by Tom Williams and released in a

Scope Scoop distributed at the same time.

A casual tour of the Tektronix plant was made earlier by the governor-elect, Mark Hatfield, guided by Scott Foster. And then on Friday, October 31, Governor Robert D. Holmes was also taken on a tour, by Bill Webber accompanied by Betty Nichols from our Manuals Department who was running for the office of Washington County Treasurer.

We can be justly proud of the many employees who have taken the time to be personally interested in social welfare, health, cultural, civic, educational facilities and political affairs of the community in which they live and work.

Archie Yergen - in Tenth Year



Things mechanical have been the stock in trade of this Tek who recently clicked his vernier another notch to read a big 10. Archie Yergen began his tenth year at Tektronix on October 18th.

Like other pioneers of the Tektronix family, Archie came to work when each member of the organization was called upon to do a number of things. Archie has worked continuously in the mechanical end of the business, having first worked in the shop over in the Hawthorne plant. Then, on to making jigs and templates for instruments and when the Model Shop was born under Jim Morrow, Archie moved to that department where he did instrument mock-up and mechanical work.

Archie has been responsible for several improvements in our instruments. A couple in particular are the new cabinet design and the fan mount. The most recent effort on Archie's part, with the help of his co-workers, was the scope display rack artistically conceived by Ken Ireland and fabricated in metal and plastic.

At present, Archie is in the Mechanical Services group headed by Slim Sorenson.

Archie is a native of Oregon and lives with his wife, Joan, and 6-year old Carl in Aloha, Oregon. It may be a matter of interest to know that Archie and Joan's marriage was the first between two Tek employees in March, 1951. At that time, Joan Richards was Dal's secretary in Marketing.

During World War II, Archie worked as a mechanic for Columbia Aircraft in Portland; following the war, he came almost directly to Tektronix after working briefly at the mechanics trade in interim jobs.

You'll probably recognize Archie as the gentlemen that lured some of our fishing friends to the mountains with the display of his catch on the front page of Tek Talk earlier this year. Archie is an outdoorsman who enjoys hunting, fishing, boating, and camping. Exploring is part of Archie's success as both a fisherman and a hunter. He likes to find new trails and wilderness areas.

Auto-engineering also comes second nature to Archie who enjoys any thing mechanical.

Tools of the trade, a T-square and compass decorated the tenth year anniversary cake that Archie shared with his group.

OUR AUTOMATIC PAINT SYSTEM . . .

In last month's Tek Talk we described the Shop's new automatic etch. In this issue we cover Tektronix' new automatic paint system in the Shop.

Fed by 630 feet of continuous link belt conveyor trolley, the system consists of a two-stage power wash, convection drying and baking oven and a twenty foot water wash spray booth.

Located just North of the automatic etch, the automatic paint booth system presents an impressive sight to the viewer. We first notice a ceiling hung conveyor system that is steadily moving hundreds of parts hung from hangers into a large two-stage power washer.

The following paragraphs describe what is actually happening while this elaborate and impressive equipment is in operation.

First, Leonard Miller hangs parts to be processed on hangers onto the conveyor trolleys. Next, these parts enter the first stage of the power washer with the two portholes. Going into the first stage, of 1400 gallons capacity tank, the parts are subjected to a wash and an iron phosphate coating treatment. The coating or "Pre-fos" gives a "tooth" to the metal and acts as a binder between metal and subsequent paint.

Spray nozzles are adjusted to apply a maximum pressure of 22½ pounds per square inch to the largest parts and about 5 psi to smaller, lighter pieces. To insure good phosphate coating, low foam blanket and best cleaning action, a temperature of 155° F to 160° F is maintained in the wash stage.

Next the parts enter the rinse stage containing a tank of 700 gallons capacity, which is operated at about 125° F and up to 18 psi pressure, and which thoroughly rinses the washed and iron phosphate coated pieces. The portholes are viewing windows for observing the action of the wash and rinse stages. Tanks are heated by coils attached to the plants hot water system.

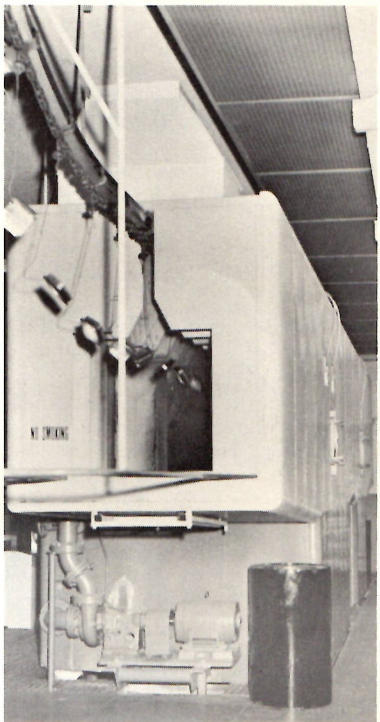
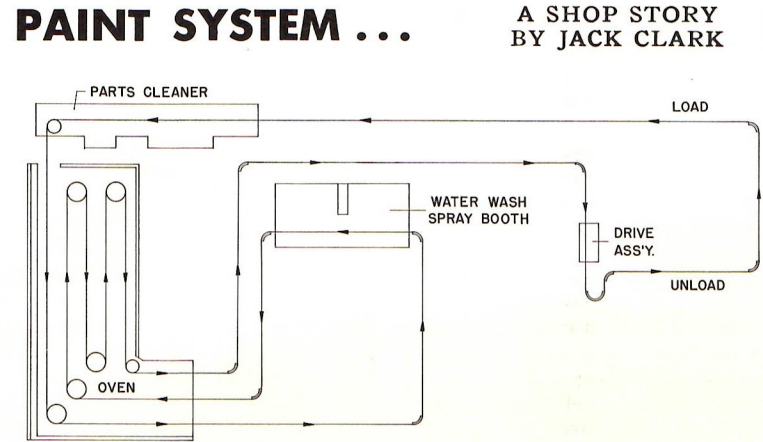


The Paint Crew: Bernice Lucas, Warren Bybee, Mel Ludwig, H. B. Lee, Bud Ward, Luke Crumly, Leonard Miller, Clyde Feitush, Bill Dunken and Walt Zoucha.

Now the washed, pre-fosed and rinsed parts enter the vast oven, which is a convection type and is a combination dry-off and bake oven heated by high pressure hot water supplied from the central heating plant. Heating is accomplished by means of two independent coil and fan assemblies, which are operated by two switches that control the three H.P. fans and Johnson controls. The Johnson controls are automatic and can demand heat only when their respective fan switches are in the "on" position. Temperatures are adjusted and maintained by a central control system and are based on conveyor speed and type of material being sprayed.

The parts, now passing through the oven in the dry-off stage, emerge from the Northernmost opening or "silhouette" at the North end of the oven and down past the spray paint booths. The term "silhouette" means special openings for the parts to enter or leave the equipment, such openings having baffle plates to prevent loss of hot air to the room atmosphere.

The parts now having been washed, pre-fosed, rinsed and dried are moving through the paint booths at about 6 feet per minute; and the pieces are now spray gun painted by two painters, the first painter applying the first coat and the second applying the final coat.



Entrance To Parts Cleaner

According to Walt Zoucha Supervisor of the Paint Department, two relief painters work through the coffee breaks and lunch time so that spray painting is maintained continuously from 7 A.M. to 3:30 P.M. and the conveyor system never stops during this period.

Clyde Feitush, Unit Manager over finishing operations, tells us that larger parts are painted three times as fast and smaller parts about twice as fast as by the old non-conveyor method.

Maximum conveyor speed is 18 feet per minute, but blue wrinkle, which constitutes the majority of the painting, is run at about 6 feet per minute.

The paint crew, composed of Warren Bybee, Jim Meeker, Bill Dunken, Bud Ward and Luke Crumly work alternately in teams of two. The parts have now been spray painted and will next travel from the spraying booths through a long stand off tunnel that sets the fresh paint.

From here the pieces move into the center of the three silhouettes, back into the oven where they travel 334 feet in the oven during the baking process at a temperature of 270° F. The diagram accompanying this article shows how this is affected.

Finally, washed, pre-fosed, dried, painted and baked, the parts emerge from the Southern most silhouette at the North end of the oven and travel about 200 feet in room atmosphere in order to cool them off before completing their cycle in the assembly section of the paint department. Here they are removed from the conveyor trolley hangers, ready for the assembly group of Aloha Jernigan, Bernice Lucas and Hutton Lee or Stock as the case may be.

Walt Zoucha told us that the 630 foot conveyor trolley contains 418 hanging hooks, and the time required for a complete conveyor cycle is about 135 minutes. He also added that around forty gallons a day of blue wrinkle paint is used in normal operations.

Many of the parts coming off the paint line require careful wrapping before leaving the paint department, and this work is expertly done also by the assembly group.

Besides the paint conveyor system the paint department also has an air dried touch-up paint booth for handling special jobs, and also a section devoted to hand dipping of rectifiers, this work being performed by Melvin Ludwig of Walt's crew. Melvin also works as an assembler when he is not engaged in dipping rectifiers.

It should be stated that the automatic paint system is a highly progressive example of modern industrial technique which came about through the combined efforts of Frank Maniatis, Marlow Butler, Ken Catto, Ash and a local manufacturing concern headed up by W.W. Ebmeyer (TempControl) and does a great credit to "Ash" Ashenbrenner's Shop Department.

The oven itself is the only one in the United States of the Plenum type that is heated with high pressure hot water. In the Plenum type oven, air is drawn from a chamber in the bottom of the oven and applied under pressure through numerous small orifices in a chamber in the top of the oven down onto the parts to insure an even application of hot air to the pieces. We are using a blue synal wrinkle paint that is one of the toughest and most durable of this type of paint manufactured.

In conclusion, the Shop's automatic painting system is worth ones time to visit and view in operation.

It is another outstanding example of what a combined group of Tek employees can accomplish through its efforts and ability to create a most noteworthy addition to Tektronix manufacturing equipment—for producing the best with the best.

ACCOUNTING AND IBM

We have a proud new parent in our midst this month. Mr. and Mrs. Dale Tyson had a baby boy on Oct. 20, 1958. The new arrival was dubbed Steven Allen Tyson and weighed in at seven pounds and eleven ounces.

During the last week of August, Bob Leipzig journeyed to San Jose, California for IBM training. A highlight of his trip was the evacuation of the IBM plant's two thousand occupants because of an anonymous phone call stating a bomb was hidden on the premises. While in California, Bob also enjoyed a visit to our field office in Palo Alto.

Late in August, Norma Jean Samuells and family became the happy possessors of a lovely new home in Forest Grove. Tones of green and pink predominate in the color schemes and the result is beautiful.



WIRE CLIPPINGS— FROM UNIT WIRING

Carolyn Brejcha shot and killed a 250 pound black bear while hunting near Mill City.

Dixie Ensinger is moving to Boise, Idaho. We will miss our little redhead.

Alta Persons is taking a leave of absence until "next year", during which time she will undergo major surgery.

Aase Rhodes, Versa Eveland and Marilyn Caven are moving to Marvin Sprecher's group. Sue Savely goes to Norm Hardy's group.

Doe Harkleroad and Marilyn Caven spent two weeks "helping out" component test.

Vivian Peer, Hazel Peterson, Irene Phillips, Virginia Gilbo, and Martha Wood are leaving Marshall Jackson's group for Marvin Sprecher's group. Come back and see us.

New girls in Marshall's group are Doris McClure and Carolyn Wolgammott.

The pot-luck Jim Kurilo's group had November 5th was to say goodbye to Jim who will be a supervisor in Finals and Terry Pearson, Pat Dinger, Dorothy Grober, Marie Weisenback, and Bernadine Bradley who will be in Marvin Sprecher's new group. This, too, was "hello" to Al Peecher who is replacing Jim in Unit Wiring. Jim was given a billfold with a \$2.00 bill for good luck and a desk set including two pens and a calendar.

Marge Furnukawa was honored at a pink and blue shower at Dorothy Grober's home.

A shower was held for Phyllis Brandt who is also expecting a blessed event.

Vi Mills is with us now from Cables.

Jo Ann Binkerd and Pat Dinger have replaced their temporary cards with permanent ones.

If you're collecting recipes, ask Jim Kurilo about salted cake.

Rose Hankins is new in our group and Donna Wojcik is back with us.

OUT OF STOCK

The Stock Department would like to take this opportunity to thank all the departments involved for their patience and cooperation during the last few weeks while we have been shifting stock and trying out new automatic stock-keeping methods. If there are any complaints, please feel free to let us know—just as you have in the past.

Many people will be pleased to know that Paula Klahn, who left us about the end of October, is getting along nicely on her new job as X-ray Technician Trainee at Physicians and Surgeons Hospital in Portland.

There is a post card hanging on the bulletin board out in Unit Wiring that has a post script addressed to the stock department; it says, "I'm sorry I left before picking up the clip board I ordered, but I'll pick it up in about six months." The return address on this card is. Fort Ord, California.

HAPPY BIRTHDAY AL

Al is the man with the banging cans
Who is seen around our halls,
He is cheerful and gay
As he wends his way
To the tune of the Tennessee Waltz.

Twenty eight cards bearing 882 names wished Al Maxwell a Happy Birthday in the Beaverton Plant in mid-October.

Al wished to thank everyone for the beautiful birthday cake, nice gifts and Happy Birthday wishes that were given to him to honor his birthday. He said he feels the people he works with are the finest.

Myrl Sveta and Elvira Guild are the new girls in Stan Saety's group. Joe Maples is our new utility man.

Shirley Buzzell has a new baby girl, Julie Ann, born October 29th.

Louise Tuller and Edith Gross treated Stan Saety's group to pumpkin pie as a farewell to Harriet Virell, Lila Harrison, Irene Sherrick, Orpha Dailey, Flo Kociemba, and Vi Estabrook, who are transferring to Marvin Sprecher's group and Mary Cowden who is going to Norm Harty's group.

Edith Gross is the new social representative.

CABLEGRAMS

If you have noticed that the cable girls walk more sedately—it is known as the "requested" walk. No more "slipping around". We have a wide variety of shoes—but all with non-slip soles. We have no intention of letting valuable help be lost thru bad falls. We do thank the company for their concern and help along this line.

Our new girls are coming along just fine and I have heard it said that every month we get younger and prettier girls. If you fellows haven't strolled through our happy home lately better happen down some coffee break and get acquainted. There is Elizabeth Szarka, only 2 years out of Hungary. Her husband, Bill, works for Oregon Chain and Saw, and they love America. We are real anxious to get acquainted, Elizabeth, and hope you like us too. We have Jane Huffman and DeAnne Seaman, both 18, blonde, and unattached. All real sweet girls and nice to work with.

Well, we celebrated only two birthdays in October. Kate Hitchcock and Grace Hamlin. So far, we have not heard of a girl who has a birthday in November. No birthday—no cake!—and we have had 14 new girls this summer.

Social Highlights for the month included a "bachelor dinner" at Tai Ping for Fran Gamon Bull, (we had a gay time), and a Masquerade Halloween Party at Ruby Miller's home. Such a lot of really clever costumes! We are all agreed that Doris and Leonard Lewis should turn professional clowns. Their talents aren't especially underdeveloped even now.

ACCESSORIES

"You Name It, We Make It"

Joanne Everest spent her vacation in California. Had a wonderful time.

Bob Kaufman and wife spent their vacation around Heppner. They got a deer too.

Mildred Deardorff and family went to Eastern Oregon for their vacation. They got a deer and was it cold.

Grace Sherbeck took some lico-rice from Edna Horine's bench and pulled out two of her front teeth. Santa will have to get you some for Xmas.

Larry Holsey and Rudi Delakowitz are new members of our group. We're glad to get some guys. Girls, one is single.

We must be hard on the utility men. We had Jim Tennyson but he left so Norman Hardy took over for three weeks and then he took off. Now we would like to welcome Bill Stout. He is a little guy so girls be good to him so he will stay awhile.

Elnore Jacobsen's parents from North Dakota are visiting her. She is happy and hopes they stay until Christmas.

Barbara Burke is a relative of the Mayor of Beaverton now. A good person to know.

A banquet dinner was held Oct. 28th, at the Country Kitchen. Accessories and Wire Prep employees attended. A good turn out of 48 people. Fun was had by all.

TEST NOTES

Currently featured in the Test office, is an informal showing of oil paintings by Chet Murphy. These paintings were inspired by a stay in Silver city, a ghost mining town in Idaho. This town, quite isolated by the high altitude and lack of a good road, is watched over by an old resident, now functioning as caretaker. He safeguards the furniture and other antique items still preserved intact in the buildings—says Chet.

Mickey McKay, who was sent off last Sept. 16 with coffee, cake and good wishes for her wedding, is back all happily married and trying to get used to answering to the name of Mrs. Virgil Howard. In fact we're trying to get used to it too.

Among those who feel that a woman's place is in the home is Paul Bennett, who had a sobering experience while out hunting over the weekend of Oct. 19. Though he was armed with his brand new 300 Weatherby Magnum rifle with custom made stock and Bausch and Lomb scope, it was his wife with a mere little old 30.06, that landed a big four point mule deer.

A record for one of the earliest starts to work was hung up recently by Jack Gaeth—one known to be alert and bright in the morning and usually awake ahead of the alarm clock. On this particular morning he heard familiar noises, looked at the clock, noted that it was twenty after, and got started. The newspaper (which usually arrives a bit late) was early—preserving the illusion of normalcy. And it was not till Jack was well on his way to the plant that he realized he had misread the clock and was a whole hour early. Needless to say, he beat a hasty retreat back to that second cup of coffee and a more detailed examination of the funnies.

TRANSFERS FROM TEST To Field:

Jack Banister, Bob Southard

To Manuals:

Bernie Marek

To Instrument Repair, Staff Engineering:

Dick Winn

To Semi-conductors:

Lloyd Sharp, Larry Shelly

Friends are congratulating Dave Robertson upon receiving his ham license. His call is W7GJQ.

Byron Witt has been trying to maintain a weekly radio schedule in contacting John West of our Bronxville field office. John has a mobile rig on 15 meters. Illness and other intrusions—such as an electrical storm have kept the record to one good contact, so far.

FINAL SHORTS

A Birthday party was given, Oct. 29th, for Rohda Chalupa. Her 21st.

We were all glad to get Betty Spohn back from retirement.

Don Burkey has entered into the "Too Far Gone Club". He became engaged this Month. A winter wedding is planned.

Roger Noyes will never forget this Halloween we bet. He and his wife were expecting a visit from the Stork. The best of luck Roger, we hope the Goblins didn't interfere.

Things have been looking brighter for Jerry Gillaspay, this is due to his new Horn-rimmed, Personality Glasses.

A Farewell Party was given to Don Pratt the 27th of October. He has taken a job in Instrument Control. We'll miss you and your wit, Don. Bill Daily has taken Don's old job in Finals.

Others who have left us are; Bob Wruble, to Customer Service, and Walt Lowy to Circuit Design in Engineering.

John Shaw and Howard Bingham have been given a New Job title: "Junior and Senior Interdepartmental Co-Ordinating Engineers." Sounds good fellows!

SHOP SWEEPINGS ...

Ray Wismer recently returned from a two weeks vacation that took him to San Francisco, Los Angeles and Phoenix. He covered about 3500 miles in real good weather. However, Ray was in Los Angeles when the temperature reached 111° setting a record for that time of the year. He said it was just a little too much like being on the inside of a frying pan.

With apologies to "The Ancient Mariner", "water, water everywhere, and not a drop to drink."

Jerry Smith, one of our shear operators, who lives on 5 acres about one-half mile South of Beaverton, had his original well go dry this last summer.

He started drilling a new well with a post hole digger, but hit rock at 22 feet and said, "brother, I've had it!". So he hired a professional well digger with full drilling equipment to sink a hole in old Mother Earth.

They had to go down 172 feet to strike water and this required almost three weeks of drilling time. A new submersible motor and pump was installed under water with power cable and outlet pipe leading down the well to the equipment.

Incidentally, the motor is sealed in water at the factory and the

SWING SHIFT SHAVINGS

We've got some more new faces on Swing Shift—Ron Rogers, Jack Taunton and Jim Fagnant. Ron and Jack were recently with Iron Fireman but are happier here. Jim is a Physics major at Portland U now after putting in a stint as a junior engineer with the navy in a civilian role in missile tests.

Maybe Joe Demke trains his crew too well—someone comes along and grabs 'em. Don Miner has gone on days in etch—Don Mulvaney is on days in screw machines. So is Byron Flint but look for him back on swing. He misses us screwballs. Now we may lose Dot DeChand to Pre Prod Silk Screen. She's been bouncing back and forth between swing and days lately and we've been wondering what the attraction is! But seriously hope she gets the better job as she can do it.

Small note—that Larry Wells is still single—says he is working on it tho.

First Saturday nite swing shift has had off for quite a while saw a few guys gathered at one of the local spots. I saw one man dance with his own wife! Commendable for this crowd.

Hey now, circle Dec. 13th on your calendar for the "Shop Xmas Party". Swing is going 100%. Let's all go and make it the best event of the year. You know, if Aloha Jernigan has anything to do with it, it'll be a bang-up affair. Let's go!

Joe Demke's remedy for parts falling on the floor: "Sit on the floor and if anything falls up, we'll hand it down to you".

Come to the Beaverton Swimming Pool on any Wednesday night between 7:30 and 9:00 and enjoy a Swim with the Final Gang, on "Adults only night." See you there!

On the 27th of October twelve brave men, our Glorious Tek Talk Reporter, Jim McGill included, started on swing shift. These men were led by the brave Elk Hunter Dick McKinnon. The remainder of these night Fighters, er, I mean Finalers, are: George Bernert, Carrol Clason, Art Comstock, Ted Eisenbraun, Dick Fox, Ben Grossen, Jim Hardisty, Roy Hyde, Bob Rockwell, and Frank White. Jerry Eastman will join these men on his return to Tek, the first of next month.

Some of our more Fortunate Deer Hunters this year are; Gayle Cutlip, Carroll Wright, Don Reeves, Dave Lohr and wife. Al Peecher and Harry Tomkins got themselves two nice bucks, and last but not least, George Scott a "FOUR POINT doe".

water cools the motor and lubricates the bearings.

About every five years, motor and pump are raised up out of the well for inspection.

Everything is fine now, but Jerry says the first water pumped up was too thick to drink and too thin to plough. Lee Penson and Forrest Schuh, we understand, also had to sink wells so Jerry was not alone with water problems.

What was Clyde Feitush doing on Walker Road at 3:00 A.M. with a smelt net? Chasing wild ducks, or was it butterflies?

Edna Patterson is a new gal added to Etch. Also, three more into Silk Screen—Imogene Skye—Pat Behncke and Kathy Kyle.

Mary Lulow came back to work after a leave of absence and into Silk Screen. In the meantime, she has bought a new home. Frank Ball of the same department just purchased a new home. Good Luck and Congratulations to both.

Frank Amer's mother passed away and he left for Kansas—just returned.

Forrest Schuh got his "deer" and promised everyone in the department a steak.

"Hot Shot" George Riley hit a '176' on the nose for a free wash job. (In bowling, that is) What was the nights average?

The Shop Finishers were 100% for the United Fund. Every person contributed. It averaged \$13.00 per person. Isn't that something to blow about?

PLASTIC PATTER

A visitor from outer space was found in the Plastics Dept. Engraving Room. Outer space being the large meadows and fields that surround Tek and the visitor was a field mouse. "Take me to your leader." The beast was captured by Walt Leedom, ably assisted by Cecelia Raun. Doris Beck then took over and turned the little fellow loose.

Betty Bohall Bags Buck! First day out Betty captured a two point buck in the Coos County. Congratulations to Betty. How about a steak?

Elaine Henry was officially welcomed to Plastics as a permanent employee by way of cake and coffee snack for her.

Eddie Panian lost a daughter or gained a son or—well, anyhow, her daughter was married and the couple left on their honeymoon accompanied by bathroom tissue and tin cans unselfishly donated by several Plasticats.

Had the pleasure of riding in Duncan Bergeron's beetle, or as the French say "ze Citroen" (or car). I must admit this is without a doubt the finest riding car there is. It's like one passenger (a real cat) said with a look of ecstasy on his face. "Daddy, you know—Man, like riding in a marshmellow."

Several Plasticats went out to see David "Bud" Rogers at his new place of business—Rogers Drive-In—located East of Gresham on the Mount Loop Highway. It is a fine place to eat especially on the way to or returning from Mount Hood.

Bernice Lucas is quite a useful little gal, not only works in the Paint Department as an Assembly Engineer, but has been helping out in Etch as well.

Welding room gals and fellows say no news this time, but we'll try and cook up a corker for the next issue.

Bill Dunken received a letter at Tek. Ask him the contents.

Walt Zoucha reports his operation was a success. Check with him on the details. He also tells us the twins are doing great, but hasn't brought them down for all to admire.

Hauton Lee's problems are almost over with, he's been remodeling and just a little bit more. All he can say is, "I didn't realize things were so darn expensive."

Leonard Miller transferred from Rudy's Dept. and is now a regular 'Chain Gang' member.

Audrey Critchfield was out a week with th old flu bug. Glad she's back.

Bernie Bernard is still fighting the battle as Group Representative and doing mighty good job.

Most of the hunters got their deer this year. Les Purcell got a four pointer. How many points did you say the one had that you got, Grant?

Dorothy and Ray Fornshell (& family) spent two weeks in Minnesota because of Ray's Mother passing away on September 18th.

Domie and Tootie Zoucha had the back of their Olds run into. Tootie came home from the hospital Sept. 26th, but she still has a brace on her back and neck.

Betty Brown, Lorraine Irwin and Bob Wright were appointed at the last group meeting to arrange for the needy Christmas family from this dept.

SHIPPING NOTICES

Arrivals—

Nancy Lynn docked in at Tuality Hospital on Oct. 15th. Parents are Clint and Betty Parmley. She weighed in at 7 lb 1 oz.

Vernon Howe and Vernon Fredrickson joined the shipping crew in recent months.

New racks arrived and were installed to take care of the increasing number of scopes.

Expected Arrivals—

Stewart #6—expecting to dock at the Floyd and Rosalie port sometime in February. Will post notice upon arrival.

Departures—

Vernon Howe, who recently joined our crew set sail for the CRT Department.

Paul Bell, Captain of our crew, received birthday honors during the month. October 15th was the day. Buck Luck—Bud Jones brought home a nice three-pointer from John Day Territory.

Chinook Hooking—Pete Parsons battled a 22-pounder and finally won. This was down at Nehalem Bay.

As for the birds—Doug Dwight brought down two on opening day.

Ham Club Sparks New Interest

At a regular monthly meeting Oct. 29, initial steps were taken by the Tektronix Employees Radio Amateur Club to plan activities for the coming year along channels of highest interest. Four main categories of amateur radio club activities were listed to guide members in answering nine thought provoking questions. Answers to the query will be discussed in future meetings and will be used by club officers and the program chairman in planning interesting activities for meetings and field projects.

Contests, Instruction, Speakers and Social Gatherings listed as main categories were hoped to prompt members to think of additional activities that might create new and continued interest in the club.

The Ham Club has a "shack" near the Carpenter Shop on the Tektronix Retirement Trust Industrial Park property. If membership grows, as expected, they will probably hold meetings in one of the larger conference rooms in the Plant. Deane Kidd's talk on the use of the Type 575 oscilloscope for checking transistors was highly interesting to the group that crowded into the "shack" for their October 29 meeting.

Nominations for new officers to be voted on at the next monthly meeting were: President: Earle Pahlka, Bill Johnson and Chuck Mallison; Secretary: Delle Witt, Al Carpenter; Treasurer: Al Stewart, Leo Heimeck Activities Manager; Byron Witt, Burt Eberly; Program Chairman; Dick Sakkrissen. Vice-President of the Club, Paul Buchco serves a two year term because he is the custodian of Ham Club gear and registration with the FCC bears his name.

Possibilities of club activities offer a variety of activities from technical sessions to family get-togethers. Any amateur radio enthusiasts are encouraged to contact club members or come to the next meeting and contribute to its success by making the club an active employee group.



A rather unusual climb to top slot in the Men's 6:30 Bowling league has been experienced by the EIGHT BALLS. This team draws on the bowling "skill" (?) of six men. Three have averages as of Nov. 1 of 137 scratch, two roll about 145 and only one, Hank Hildahl comes within a respectable area of good bowling with an average of 164.

With an average handicap of about 27 pins, this team has taken enough points to be at the top of the list. It will be interesting to see how long the "breaks" and a high handicap will carry them.

Rodger Carter was the only bowler in the league to bowl over 500 scratch the last week in October with a high game of 231. Eckelman still holds the high game—high series scratch spot.

Everyone in this league gets a weekly report of bowling results thanks to Ed Hopper, league secretary.

Bowling results for other leagues are also posted in the Beaverton Plant and copies are supplied to all bowlers.

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