

# TEK TALK



VOL 2 NO 5

JUNE, 1953

## SIGNS OF CHANGING TIMES



BOB HERREN, among a handful of others, remembers Tektronix in its infancy, and has contributed much to its growth. As we grew, and part-time duties became full time jobs, and jobs grew to require additional people, Bob's broad interest in the overall picture was narrowed down to supervision of the Test Department and a number of necessary technical services such as construction of special test equipment for our own use, and a certain amount of "trouble-shooting" and adjusting of plant equipment.

As was inevitable with further expansion,  
Cont'd on P. 8

## GENERAL MANAGER'S MEETING

At the general meeting held last month, BILL WEBBER introduced JACK MURDOCK who told us that an Advisory Board of seven people has been formed to serve in a management advisory capacity as they are closer to everyday details of operation than the officers and directors. They will be rotated from time to time. He also advised that the opinion survey, which was taken immediately after the meeting, is intended to give us a better idea of how everyone, rather than a small number of more outspoken people, feels about particular phases of working at Tektronix.

In order to have a good place to work, he pointed out, policies and decisions must be made in a manner to include the needs of the people - both the advisory group and the opinion survey were initiated with that purpose in mind.

## WILL MARSH REPORTS...

Bi-annual Road Shows are by now a Neely tradition in the Southwest. Our distributor in California, Nevada, Arizona and New Mexico, Neely Enterprises brings the showroom to customer's door in the pattern of the old theatrical one-night stand.

The Spring Road Show is set up to cover all of California except the extreme southern part. This Spring we started at Palo Alto with two trucks and four station wagons, loaded with equipment representing Tektronix, Hewlett-Packard, Varian Associates, Sierra Electronics, Gertch Products, Brown Electro-Measurements and several others. Seven factory men and from 8 to 10 Neely men made up the complement.

After a well attended show at Palo Alto, we tore down the exhibit and stowed the equipment in the six vehicles. The first impression one gets of this operation is one of coordinated chaos. This condition gradually resolves itself into complete consolidation by a process of toil, tears, blood (yes, skinned knuckles, yet) and sweat. The handling of quite a few kilobucks worth of scientific e-

Cont'd. on P. 7

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## CASSIDY RIDES AGAIN...

to open the new Philadelphia Branch office on June 1st and provide more concentrated service to our customers in eastern Pennsylvania, southern New Jersey and the State of Delaware.

FRANCIS FROST, native of Portland, veteran of the old stamping grounds, and since April of last year Field Engineer in Baltimore, is taking over the reins in Philadelphia with newcomer DOROTHY BENNETT's secretarial assistance.

Congratulations to JACK CASSIDY and the Eastern Field Engineering Division -- the best of luck, Francis and Dorothy.

The new Tektronix address is 7709 Ogontz Avenue, Philadelphia 38, Pennsylvania, and the telephone number WAverly 4-5678.

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EDITOR Irene Garvey

## CONTRIBUTING REPORTERS

Marian Arnold  
Vern Bartlett  
Kay Bartmess  
Faye Brown  
Lorenzo Brown  
Jack Clark  
W. K. Dallas

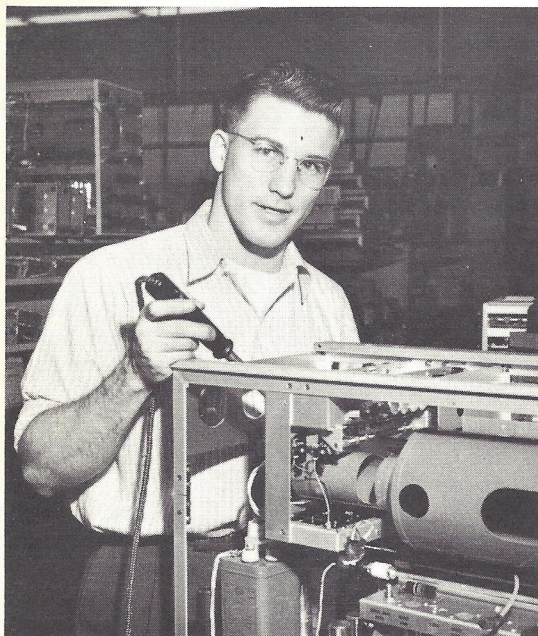
Charles Jay  
Will Marsh  
Scotty Pyle  
Dick Schmidt  
Helen Thome  
Miles Tippery  
Cy Woodworth

PHOTOGRAPHER - Ed Egan

## TEKTRONIX TWOSOMES

## THE KEN BEALS

By Faye and Rennie Brown



Another one of our ball and chain couples in the Tektronix family is Delores and Ken Beals. Ken has worked on the 517 and 524 instruments as well as final assembly on the 513 with which he is most familiar. Delores is at home on the 315 but also helps out on the 514 occasionally. Ken and Delores joined Tektronix in the summer of 1952, and have since proved to be solid citizens of our community. All this is on the surface, though, and what we don't know is about their past. Yes, they have a past, so let's pry.

Delores was a student of the Mankato, Minnesota grade schools and then was transplanted to Pullman, Washington where she graduated from high school in 1948. After a temporary job as a restaurant waitress, she spent the next four years as a "hello" girl at Interstate Telephone Company in Pullman.

Delores' waitress career was a brief three months -- just long enough to attract the unsuspecting Ken from his service station next door. Seems he has a weakness for a good cup of coffee.



Ken remained more stationary geographically, spending all his grade, high school and year of college in Pullman. He managed a service station, managed a lunch counter, and was a salesman for a Ford garage before the summer of 1952 when the Oregon country called.

Besides their employment interests, Delores is taking sewing lessons evenings, and Kenny is a trained watchmaker, an "automotive" bug, and enjoys fishing. Delores also likes to fish, and keeps scrapbooks. Married since August, 1949, they are active, happy -- and enjoy television in their own little home in Beaverton.

\* \* \*

Change isn't necessarily improvement. Sometimes the old setup is better than the new upset.

\* \* \*

## VISITORS FROM THE SUNNY SOUTHLAND

For the purpose of renewing old acquaintances as well as making new ones, Norman B. Neely and Robert L. Boniface of Neely Enterprises dropped in for a visit Monday, May 25. Norm is the owner of Neely Enterprises with headquarters in Los Angeles, and has functioned as distributor of Tektronix instruments for the States of California, Nevada, Arizona and New Mexico ever since the very first day that actual production of our instruments began. Bob Boniface is General Manager of the Neely organization, and is kept plenty busy riding herd on the needs and looking out for the welfare of their group, now expanded to thirty-six persons operating from five branch offices in the four states.

Norm and Bob were very favorably impressed with the expansion in Tektronix activity and facilities which was so noticeable to them since their last visit of approximately a year ago. They are firmly convinced that our advanced engineering activity and the superior Tektronix instruments, those that are current as well as those projected, will materially aid them in doing an even better sales job in the future than they have turned in in the past - which has been "tops". Welcome anytime, boys.

\* \* \*

## BONNETS AND BOOTEES

NEPPIE SWANSON, everyone here is happy to hear, was blessed with a baby girl on May 14, and is feeling fine. Marta Marie weighed 8 lbs. 1 1/2 oz. without booties.

Charlene and HARRY ALLISON's firstborn is a 6 lb. 11 1/2 oz. boy named Robert Clyde born May 14.

DICK PHILLIPS, also of Test, happily announced the arrival of 8 lb. 11 oz. Richard Elmer on May 12.

Test - again. ROD KENNEDY's wife presented him with a lovely little girl, weighing 6 lb. 12 1/2 oz. on May 15.

JEAN PEARSON called us from Emanuel Hospital when her boy Kevin arrived on May 19. A 17-inch, 5 lb. 6 oz. featherweight, but punching a mean wallop.

KAY ALLEN's boy Leonard Gerald was born on May 24, weighing in at 6 lbs. 8 oz. Leonard will be getting plenty of attention from his big brother and three sisters.

ORVILLE RIGGS was pleased as punch to announce the arrival of James Randolph on May 31st - weight 5 lbs. 2 oz. Daddy Orville says the boy is in fine voice.

Ingrid Elizabeth, over 7 lbs., arrived on June 5 to the joy of ANA HAAS.

## ASSISTANT TO PERSONNEL MANAGER



Since DON KEPLER'S move to the Administrative Department last February, he has been located in the Personnel Department, preparing a handbook for Tektronix people.

It was inevitable that Don's fine spirit of cooperation and matching ability would draw the appreciative attention of the Personnel Department -- so that unit "latched on" to him as of June 1st to act as assistant to the Personnel Manager, MILES TIPPERY.

\* \* \*

Experience is what you have when you are too old to get a job.

\* \* \*

## SCOPE CLASS

As the design and construction of the first Scope Class instrument becomes a reality, considerable interest has been indicated by those anticipating a second class. The class, composed of people interested in electronics, was organized on April 12, 1952, to design and construct an oscilloscope that would meet the application of the greatest majority of the class members. It was intended that the first class do the planning work while subsequent classes review the problems and their solutions, but not attempt a complete design. The benefits gained from an understanding of the problems related to the design and production of oscilloscopes would accrue to the individual, and indirectly to Tektronix by having people with a wider practical experience.

Now with the first class completing their project, it again becomes desirable to bring to your attention the fact that there will be a second class starting soon.

A tentative estimate on the cost of building a three-inch instrument about the size of the 315-D, is one hundred dollars. A final cost breakdown may vary this slightly. If you are interested, please sign your name on the list attached to the bulletin board.

## SHOP TALK

A Forward by Vern Bartlett

Relief (temporary, at least) from the shop's "growing pains" came with settlement of its people and equipment in larger quarters in the new building. The shop has been transformed into a "mechanical laboratory" with the sunny brightness of its decorations (white, yellow and green), fluorescent lighting, new equipment, well cared for older equipment -- and a swell gang a perfect complement. Most proud of its new setup, the shop wants to share the details of its expansion with everyone. It's too long a story to cover in one issue, so a series of articles is being written to appear regularly in Tek Talk.

### SHEAR TABLE AND HYDRAULIC CRANE

By Jack Clark

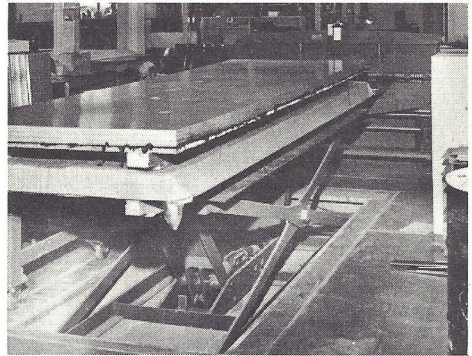
An interesting and advanced feature of the new shop is the equipment used to handle large aluminum sheets and other heavy supplies received into the shop.

The big Wysong power shear (Tek Talk, Dec. 1952) has been mounted on a separate floor pad to quiet its operation.

Behind the shears a hydraulic lift table (2-cylinder scissors type) has been added. The table may be raised to a proper working level as high as 36" above the floor by means of an electric pump and foot control. Sheets of aluminum stacked on the table are fed, sheet at a time, to the power shear for cutting. An 8 3/4" deep recess in the floor permits the table to be lowered flush with the floor to provide, when required, the floor space normally taken up by the table, and to facilitate cleaning.

Above the table a traveling overhead crane is mounted on a 24" steel I-beam across the raised ceiling, eight feet inside the large, chain-operated roll door at the north end of the shop. The crane is equipped with a four horsepower motor and is operated with a suspended control box. It has a lifting capacity of 4,000 lbs. by means of stranded steel cables on a drum, and is supplied with heavy grab hooks for lifting large loads. The crane, when raised to maximum height, has a safety device with an automatic shutoff to prevent snapping of the cables. It travels 25' by means of two chain-operated, spur gear driven wheels riding on the lower flange of a smaller I-beam rail beneath the large supporting beam.

Trucks are backed through the vast doorway into the shop under the crane, and heavy



SHEAR TABLE

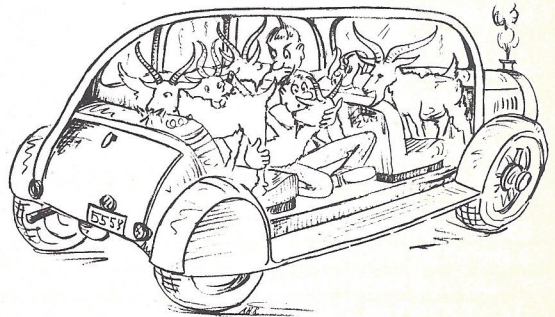
loads are quickly and easily removed for storage or for transfer to the shear table.

A section of floor by the north wall is made of 12" thick concrete, reinforced with 3/4" rods; on this 20-ton capacity floor area as many as ten 2-ton skids of aluminum sheets can be stored at one time. Extruded materials, rods, bars and tubing are also stored in bins in this area of the shop, and a nearby power saw is used for cutting the material to required lengths.

Considering that one 4' x 12' sheet of .125" aluminum weighs 86 lbs., the value of this time and labor saving equipment can readily be recognized.

Next month will be featured The Scopemobile Department.

\* \* \*



Who in Shop brought home five goats in his car? -- and we're not "kidding"

\* \* \*

### POSTSCRIPT

What we didn't tell you last February was that GEORGE AITKEN married a wee Scottish lassie on Christmas Eve who was able to join him here on June 5th. Her name is Elizabeth Henderson Kinloch Hastie Aitken.

Congratulations, and many happy years together, George and Elizabeth.

### FOR COMPARISON WITH YOUR PRESENT EDUCATIONAL INSURANCE COVERAGE

If a member will save as little as \$5.00 per month, regularly, for a period of ten years in the Credit Union, and provided that the rate of return averages 3 percent or better (last year's was 4.8 percent) he will accumulate \$697.94 in cash. If, with no additional investment, the savings remain in the Credit Union for another ten years (figured at 3 percent), he will accumulate \$937.92 in cash.

The life savings plan is a group life insurance plan which applies to all share balances up to a maximum of \$1,000.00. The premium is paid by the Credit Union as an expense and does not interfere with dividends.

Only eight years are required to build up an insurance coverage in excess of \$1,000.00 with a cash value of \$541.41. If the plan shown in the table below is followed, the average weekly investment amounts to less than 58 cents a week and accumulates a life insurance estate of \$1,875.84 in a period of twenty years.

#### CUMULATIVE TABLE TO INDICATE YEARLY BALANCES

SAVE \$5.00 PER MONTH	YOUR SAVING	TOTAL EARNINGS END OF EACH YEAR	CASH VALUE	INSURED VALUE
1st year	60.00	.90	60.90	121.80
2nd year	120.00	3.62	123.62	247.24
3rd year	180.00	8.22	188.22	376.44
4th year	240.00	14.76	254.76	509.52
5th year	300.00	23.30	323.30	646.60
6th year	360.00	33.70	393.70	787.40
7th year	420.00	46.51	466.51	933.02
8th year	480.00	61.41	541.41	1,082.82
9th year	540.00	78.55	618.55	1,237.10
10th year	600.00	97.94	697.94	1,395.88

#### IF YOU STOP SAVING, BUT ALLOW EARNINGS TO ACCUMULATE

11th year	x	118.87	718.87	1,437.74
12th year	x	140.43	740.83	1,481.66
13th year	x	162.65	762.65	1,525.30
14th year	x	185.53	785.53	1,571.06
15th year	x	209.09	809.09	1,618.18
16th year	x	233.36	833.36	1,666.72
17th year	x	258.33	858.33	1,716.66
18th year	x	284.08	884.08	1,768.16
19th year	x	310.60	910.60	1,821.20
20th year	x	337.92	937.92	1,875.84

Start an insured savings account with us today for your son or your daughter. The entire family may share in these benefits.

\* \* \*

#### PLAN NOW

to save a portion of your bonus. As a convenience to you, a payroll deduction card may be filled out in advance to place a portion of your bonus in your Credit Union.

Your savings will earn you an additional dividend. Even with a very modest amount, you've started on the road to a sound savings program.

Your Credit Union Treasurer will be glad to help.

\* \* \*

## BOWLING RESULTS

FINAL SESSION, 1952-53



l. to r. f.r. Kay Bartmess and Al Briggs  
b.r. Dick Tollison, Bob Johnson, Bill Degner.



Ida Smith (High Game-168)  
Kay Bartmess (High Series-492)  
Bob Johnson (High Game-216)  
Dick Ropiequet (High Series-554)  
Gladys Koch (not pictured) (High Game-168)

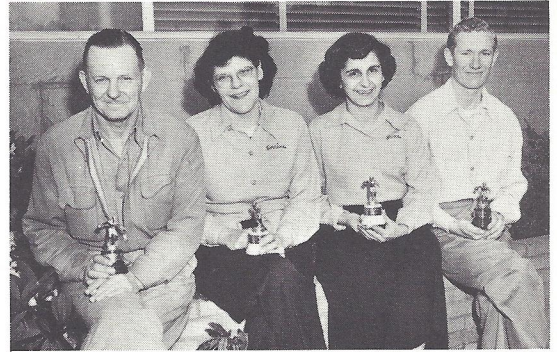
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### TODAY'S ODDITIES

A man has to make around \$20,000 a year before he can afford to hire all his wife's work done, insurance counselors say.

If he makes about \$5,000, then the wife is contributing more to the family income than he is -- just by running the house and taking care of the children.

### SWING SHIFT "JETS"



l. to r. Bill Johnson, Corrine Johnson, June Bass, Don Burkey. Bill Hutton was unable to stay for the picture, but also holds a trophy.



Bert Eberly (High Series-571)  
Carl Helmer (High Average-159)  
Helen Thome (High Game-182)  
Don Pratt (High Game-216)  
June Ruyle (High Series-430)  
Corrine Johnson (High Average-126)

\* \* \*

### TROUT DERBY UNDERWAY

Seven people have entered the Trout Derby so far - hurry and get your name and dollar in to CLAIR KIDD. Prizes to be awarded for the longest trout caught this season will be cash awards - first place winner gets half the kitty, second place thirty percent and third place twenty percent. A 16-inch fish (trout?) has already been entered.

Flash - BOB POULIN has edged ahead in the race with a 16 1/4-inch Rainbow.

\* \* \*

A Communist is a fellow who has given up all hope of ever becoming a capitalist.

Will Marsh on Neely Road Show...Cont'd  
 quipment at ten different comings and goings is not something to be done without plan. Every carton is numbered, and fits into a particular spot in a particular vehicle. This is the only way a road show can be completely dismantled, packed and stored, ready to roll, in thirty minutes. One important requirement is that the equipment perform properly at the next stand.

The next stop was San Francisco, where we showed at the Hotel Whitcomb. Most of us know San Francisco as a place of many interesting historical spots. Well, there are other interesting spots.

After San Francisco we set up at the Claremont Hotel in Berkeley, an exceedingly interesting stop. Very many engineers and physicists from University of California Radiation Lab visited and discussed equipment operations and requirements. It always seems strange to encounter a man from one of these big activities who doesn't know Tektronix equipment; perhaps they lose themselves in some dusty corner of a remote lab, coming out for food and haircuts at sporadic intervals.

From Berkeley we had a long, pleasant ride to Sacramento for an introduction to Rudy Poucher's constituents. New activity at McClellan Air Force Base was evidenced by a number of question-asking engineers. Sacramento at night can be quite pleasant.

After Sacramento, was the really long trek to Fresno, where we finally holed up in an establishment which boasts the most flavorful-some roast-chicken-in-wine that ever graced the gums of a giddy gourmet. Oh, tender juicy bird, oh, noble chef.

The show at Fresno State College was an example of Neely Enterprises' foresight. Showing only to a group of students who are potential engineers and physicists, we can expect no immediate return, but we can make lasting impressions on men who will some day require the best in instrumentation. It was a refreshing experience to talk with young fellows who were eager to see, learn, and know.

On Friday night the safari headed for Los Angeles, and we draw a modest veil over Saturday and Sunday.

Monday morning found us driving through the cactus and sagebrush of eastern Los Angeles, where there is no housing problem (no people). We set up at National Bureau of Standards in Corona where there is a large requirement for electronic gear. This establishment seems like a millionaires' coun-

try club in the middle of the desert, and twice as exclusive, but we made more friends and answered more questions.

Tuesday's desert sun soon shucked off coats and neckties as we rolled through Mojave's vast emptiness to Inyokern. Dry and dusty but not defeated, we unloaded our boxes of wheels and parameters at the U. S. Naval Ordnance Test Station (you can see why they don't alphabetize this name). This was a busy entertaining afternoon. People could and did, talk about unclassified aspects of their work. Many questions were asked and answered on both sides, and approaches proposed to several problems. An interesting unit collected together here in a closed corporation consisting of a Type 512, a Type 112, and a dual-beam CRT. Apparently the fellows keep it very much in use to satisfy a dual-beam scope requirement.

The stops at Culver City and Point Mugu were more of the same: interesting but not outstanding.

The last station, at North Hollywood was like the grand finale of a comic opera, with everything but a Swiss bell-ringer. Everybody was there. People were asking about every instrument Tektronix ever made and wanted to know why's and how's and when's, a real bang-up finish with ruffles and flourishes and everything but sideboys. A thousand people, and nine hundred of them talked about our gear.

Well, that was it; rough and rugged in spots, but ripe and rosy in the sunshine. Thanks, Norm Neely, for revelations, great expectations, and, shall we say, some elations?

\* \* \*

#### THEY WERE MARRIED

at St. Helen's, Oregon on Saturday afternoon, June 6. He's George Williams - in the Navy - she's ELAINE SUTTON WILLIAMS in Assembly. Our best wishes to you both.

\* \* \*

#### TRANSFERS

GINNY LEVENS left Ceramics to give assistance in tube assembly in the Engineering Department as of May 18.

JUNE RUYLE is officially transferred to Ceramics from Cables since May 18.

LEO WULFF is now in Test since May 11 after a brief indoctrination period in Assembly.

Leon: Come on, Arnold, time for a cup of break-fluid.

the need for technical services grew to such proportions that Bob, not one to complain, was attempting to "spread himself too thin". Accordingly, Bob is gradually being relieved of supervision in Test by ED BAUDER and will soon devote full time to maintaining such plant equipment as the internal communication facilities, the music and transcribing instruments, and the heating and air conditioning controls. In addition, he will maintain and calibrate various electronic instruments, maintain fire fighting apparatus, and continue the movie program.

Bob's long electrical, electronic and mechanical background, and his exceptional ability to detect and analyze "bugs" in technical equipment make him not only well qualified but really in his element in this latest assignment. In his new position of Technical Maintenance Engineer, heading plant wide technical services, Bob will report directly to general management. Best wishes in your new assignment, Bob.

Well remembered to many is the flurry of a couple of years ago when it became readily apparent that there was a deep-seated need in the Tektronix Field Engineering Forces for Field Engineers with Portland experience. Among the several who were transferred to positions in our Eastern Division was ED BAUDER, who spent an indoctrination period with JACK CASSIDY in New York and then was dropped unceremoniously into the difficult spot of functioning, not only as branch manager but full crew of the Baltimore branch office operation. Having successfully met the challenge, his efforts were aided and bolstered by the addition of JEAN O'BRIEN, FRANCIS FROST and FRED HART.

A short time ago it became equally apparent that the pendulum had reversed its swing; and as a result, a deep-seated need now existed at Portland for Field Engineering experience and firsthand acquaintanceship with actual customer viewpoints.

With added space available and the Test and Calibration Department expanding to embrace Component Test as well as Field Maintenance Repair, Ed was tapped to serve as Test Department Supervisor, reporting to BOB DAVIS.

We are confident that Ed's experiences of the past year-and-a-half will stand him in excellent stead in his new position, and although the Sales Department will keenly feel its loss (temporary loss?), nevertheless their collective best wishes and the sincere expression "Well done" accompany Ed.

## STUDENTS VISIT

Forty Lewis and Clark College business administration students took a shortcut in their studies by setting aside text books and theory for a three-day look into the practical side of business and industry.

On Tuesday, May 26, MILES TIPPERY prepared them for a plant tour with a talk on the history of Tektronix, and conducted a question and answer session.

The tour was planned and carried out by DON KEPLER on Wednesday. While half the visitors toured the plant, the others were shown the Naval training film "The Cathode Ray Tube Oscilloscope" by BOB HERREN, and were given a demonstration of the 512 scope with the 180 time marker generator by BILL POLITS of Engineering.

On Thursday following the tour JACK MURDOCK was asked to address the students to discuss the business and economic phases of our company with them.

One of the purposes of present day society is to coordinate theories taught in school with actual practice in the world of experience. We go along with such thinking and want to assume our share by cooperating whenever possible.

Professor Walter Mead, who had arranged for this program, expressed the high interest that was indicated by the students in what they had seen, and felt that the idea was sound from an educational standpoint.

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## NEW FACES

Assembly: MAXINE BERGERON and DONNA WILLEY. BYRON WITT and WIN BACKSTRAND temporarily.

Shipping: BILL EWERS and CLINTON PARMLEY.

Stock: PAUL TRIPP and BOB RANDALL.

Printing: GISLE BORLAUG.

Office: REVA STRONG and DOROTHY BENNETT (Philadelphia).

Welcome, people - may your association here be a most pleasant experience.

## BACK HOME

LAVONNE HEIMBIGNER has returned to the Cables group after an absence of over a year.

HILDRED SCHMIDLING is back in Transformers to help out for the summer months.

SAM TABSHY will be around this summer in Component Test.