

# Management Group urges a 'YES' vote on tax bill

(This statement, prepared by the Management Group, explains its stand on the forthcoming Oregon tax referendum.)

We strongly recommend a "yes" in the October 15 referendum, which would put into effect a bill to increase taxes. Your "yes" vote is important even if the measure is defeated. A close vote will have a more constructive effect on the governor and the legislature than an overwhelming defeat.

The measure, passed by this year's legislature, was a compromise among many tax views. According to Treasurer Don Ellis and Tax Manager Bob Newberry, who worked with local and legislative tax committees before and during the 1963 session, the bill is as big a step in the direction of our goals as could have been expected in the political atmosphere existing at Salem.

The bill's enactment would be in the best interest of Tektronix, its employees and the state, and is preferable to either of the alternatives facing the governor: Cutting the budget or calling a special legislative session to work out an acceptable tax law (which also might be submitted to a referendum).

We believe these points should be understood:

1. More than one third of the needed increase in tax revenue is to maintain the previous level of expenditure. Most of the increase in expenditure is to relieve local property tax in supporting local schools.
2. The bill makes some improvements in the tax struc-

ture, aimed toward increasing state prosperity, employment stability, investment attractiveness and employees' incomes.

3. The alternatives appear unattractive: A budget cut would be drastic — possibly disastrous — and a special session is unlikely to increase Oregon's prosperity.

If Oregon had adopted a sales tax—or if it should—a large percentage would be paid by businesses and employers. As Tektronix employees and shareholders, you would notice the effect on your profit share of increased costs of construction, machinery and supplies.

For some time, Oregon's budget has been in line with tax revenues, with a surplus carried over to each succeeding budget. But last biennium, tax revenues were nearly \$30 million less than the budget. Thus this year's budget must raise that extra amount, in addition to other increases.

Of the \$45-million budget increase, \$30 million is for education—to keep pace with greatly increased enrollments, particularly in higher education. The attorney-general has ruled that basic school

support — over one-third of the budget — can't be cut by the governor. What's more, any reduction in education money would result in requests by individual school districts for increased **PROPERTY** taxes.

The proposed tax law includes these features:

1. It increases corporate taxes a little.
2. It broadens the tax base by asking a minimum tax of \$5, or 1 per cent of adjusted gross income, from persons who earn more than \$500. (Many low-income people now pay little or no tax for their share of state services.) It no longer allows an individual to deduct federal tax payments, but balances this somewhat by reducing his tax rates. It replaces the \$600 dependency and exemption allowance with a \$20 or \$22 tax credit, which benefits lower-income taxpayers.
3. It improves the taxation of capital gains. It eliminates the provision that gains must be reinvested in Oregon to obtain special tax treatment. It provides a maximum rate of 5 per cent. By doing away with federal tax deduction it

means capital gains would no longer be taxed at a higher rate than the same amount of ordinary income—an unattractive feature of Oregon's tax law for years.

The Management Group and Bob Newberry have based their recommendations and actions on the following goals:

To make a larger percentage of Oregon's employment stable (rather than seasonal) and to enhance the state's economy, by making the state competitive with its neighbors in attracting and retaining stable employers—particularly businesses which manufacture products to export, thus bringing in outside income to support retail and commercial businesses.

Second, to make the state a more attractive residence for investors. Our high tax on gain from sale of businesses has caused owners to move elsewhere before selling. Oregon thus loses tax on the gain, plus future taxes on the person's income and estate. (Owners of several Oregon firms, including four of the five early major Tektronix shareholders, now reside outside the state). What's more, this tax has discouraged reinvestment of the gains in Oregon.

Third, to improve employees' income, thus enabling them to pay a share of state services more in line with that paid by employees in neighboring states. Oregon taxes low-income people much less than California or Washington, and makes up for it by higher taxes on middle-income persons and investors.

—Tektronix Management Group



Tektronix, Inc., Beaverton, Ore., Oct. 11, 1963, vol. 4, no. 26

# Consolidation of engineering operations announced

A Tektronix Newsletter sent out to managers Monday by Bob Fitzgerald (Vice-president, Operations) announced that all product design and developmental efforts had been combined into a single organization. Bill Polits has been assigned the responsibility for overall Engineering activities.

Fitz said the new Engineering group will include the activities carried on in Research and Future Products and will embrace the Cathode Ray Tube Design Engineering now carried on within Manufacturing.

Engineering will now consist of



Bill Polits      John Kobbe      Jack Rogers      N. Winningstad      Jean Delord      Lang Hedrick

five departments. "Because many individuals are involved in these changes and it will take time to firm up responsibilities within these groups," Fitz said, "Bill Polits has asked me to announce for him appointments of the managers of the Engineering departments."

**Advanced Circuitry (John Kobbe, manager)**—Will be responsible for investigation and development of new circuits. It will explore developments and demonstrate their application to new products. Products resulting from this activity will be transferred at an appropriate stage of their development to Instrument Engineering. This group will also have

an important role in planning products and programs and will fulfill a technical staff requirement for Bill Polits.

**Instrument Engineering (Jack Rogers, manager)**—This group will be responsible for the design and development of all products including instruments, accessories, cameras and Scope-mobile carts, and the technical content of the related manuals. It will have a primary responsibility in product planning. It will contain its own supporting facilities. The group will have the responsibility for a product from the idea to the stage where it is suitable for manufacture.

**Cathode Ray Tube Engineer-**

**ing (Norm Winningstad, manager)**—Cathode ray tube development (continued on page 2)

## CONSTRUCTION DETOUR

The Watson street railroad crossing between Broadway and Farmington road in Beaverton will be closed from 8 a.m. Monday, October 14 to 4 p.m. Tuesday, October 15. Employees who use this intersection should substitute another route.

## POLLING PLACE IN BLDG. 45

The large cafeteria, Building 45, will be Washington county polling place #137 for the special election next Tuesday, October 15.

Space will be in use from 8 a.m. until 10 p.m. that day. Equipment will be set up Monday evening.

## TEKS . . . . in the news

**Walt Durham** (Salary Administration) was elected as a director of the Portland chapter of the Pacific Northwest Personnel Management Assn.

One of the instructors for the Portland Continuation Center, University of Oregon, fall quarter evening class entitled "International Trade" is **Fritz Neisser** (Legal staff).

President **Howard Vollum** has been named to the legislative committee advisory council on Technological Employment, according to Sen. Don S. Willner, chairman.

**Bill Myers** (Research, Semiconductor Devices) attended the Electrochemical meeting in New York, September 29 through October 3.

**Dick Pooley** (Facilities staff) has been named chairman of the Industries committee for the Beaverton Chamber of Commerce; **Ken Walling** (Printing manager) is chairman of the Education committee.

**Doug Hubbard** (Data Processing Operations manager) will present a talk entitled "Organization & Control—Heartbeat of Data Processing" to the Data Processing Management Association next Tuesday evening at the Sheraton hotel.

### Swedish engineer visits

**Finn Schjerven**, an engineer from Morgenstjerne & Co. (our Norwegian distributor), arrived here Monday for a three-week stay. He will spend his time getting acquainted with new instruments. This is the last leg of a six-month US tour.

## Teks asked to update auto register

Over 4000 cars are parked daily on Tektronix parking lots. The problem of finding a car owner is sometimes critical. There are fires burning lights, flat tires, etc., that drivers should be told about.

The card file at the Switchboard is a **must**. Switchboard operators like to make a personal call, rather than use the paging system to reach the owner of a "polka-dot '50 Ford with no fenders . . ."

Use the form below; fill it out and mail it to delivery station 19/516. For further information call central paging, ext. 7601.

DRIVER

COLOR

YEAR & MAKE

LICENSE NO.

## Engineering consolidation forms five departments, one operation

(continued from page 1)

ment efforts formerly carried on in Future Products together with design efforts in the present Cathode Ray Tube Engineering group will be assigned to an overall Cathode Ray Tube Engineering group. This group is now responsible for the design and development of cathode ray tubes and display devices. Some projects with Research relating to cathode ray tubes will be continued there until they are completed or until it is determined that they are best reassigned to Cathode Ray Tube Engineering.

**Electron Physics Research (Jean Delord, manager)**—Research will now be called Electron Physics Research. It will have a similar mission to its present one. The group will be responsible for investigation of the basic physics of new devices and the exploration and development of basically new devices. They will do physics and materials research on a project basis in support of other programs. Programs relating to physics of display devices will be carried on in Electron Physics Research and be implemented at the appropriate stage of their development in Cathode Ray Tube Engineering.

**Pre-Production Engineering (Lang Hedrick, manager)**—Will assist Instrument Engineering in the preparation of products for production. They will be responsible for building engineering models, preparing drawings, performance specifications, parts lists, reliability studies and environmental testing. They will contain component evaluation and have cognizance of component design and see to the assurance of their specification and availability to new products. They will provide the major liaison between Manu-

facturing and Engineering regarding products. They will provide design for custom and special instruments.

"Although there are specific departmental responsibility assignments for basic research and advanced circuits," he continued, "it in no way is intended to exclude investigation into advanced products and methods from other groups. Each group will be expected to carry on exploratory work."

Consolidating our design efforts, Fitz explained, means combining all product design and development efforts into a single organization. The success of the new Engineering activity is highly dependent on our ability to bring out advanced products at the right time, he said. Engineering will have a prime responsibility for product and project planning. Hence, planning activities within Engineering are being established.

"In light of these changes," the Newsletter read, "the Product Planning Strategy Group will be reassessed. Howard Vollum, Bill Polits and myself will form the nucleus of a group that will re-evaluate the activities of the Product Planning Strategy Group and provide during the interim a review of our technical programs."

In addition to the five managers listed above, Bill Polits will have an administrative staff. Soon Bill will announce Engineering assignments among these five departments and elaborate on the goals of each group.

## Insurance men speak to Teks

Two representatives of Employer's Mutuals attended the regular meeting of the Safety Committee September 13 to discuss with Dick Kenyon (Safety, Health & Workman's Comp. mgr.) and eight safety chairmen from areas throughout the company the benefits provided under our workmen's compensation.

Art Carlson (F&M), Slim Sorenson (Inst. Mfg.), George Burton (Facilities), Clint Cooper (C/S), Chet Schink (CRT), Hank Sturtevant (MSE), Don Sherrod (Mech. Design), Bob Doster (Facilities), Tek safety chairmen, heard Mark Bellanger, Employer's Mutuals claim manager and Ray Hanks, claims investigator, explain compensation agreements and the advantages of Tek insuring through our private carrier (Employer's Mutuals) vs. the coverage provided by the State of Oregon.

## PLEDGES DUE

Managers have until next Wednesday (October 16) to collect United Good Neighbors pledge cards from employees.

## Tek 'ready to go' for PI exposition

Tek's booth at the PI (Pacific International Livestock exposition) opens tonight for a nine-hour stand with a working display of scopes, a five-minute film of Tek's manufacturing activity and a photo display of scope applications and production processes.

The exhibit, located at Booth A-9 near the main entrance of the PI building, will be part of numerous displays by industrial firms emphasizing the theme, "Pacific Northwest—Future Unlimited".

Manning the Tek booth through Sunday, October 20 are these employees from all areas of the company:

**Dave Spinks, John Byerly, Jessie Bollinger, Tom Cox, Lucille Wendte, Pete Melhuish, Jeannette Adams, Paul Parks, Madeline Shultz, Marybelle Rash, Irene Parsons, Al Hayes, Jerry Baldwin, Dave Nelson, Jean Workman, Marge Guthrie, Ralph Pratt, Mary Lou Coe, Gordon Long, Ken Jacobsen, Sandy Richards, Betty Peterson, Ann Molek, Dick Winn, Ev Stiles, Joan Bailey, Margaret Wittmayer, Jim Averill, Patti Jo Olson, Dale LeBarron, Bob Kaufman, Thelma Hetrick, Roger Carter, Vurda Lee, Al Foleen, Ken Knox, Jean Baldwin, Clai Hill, Jean Ford, Howard Lewis, Rod Peloquin, Bill Hardin, Joanne Edstrom, Bert Fleskes, Mildred Washburn and Tom Williams.**

## Job Postings

**Tektronix employees should contact Alice Kida, ext. 7620 (8-7620 from Sunset), to apply for positions listed in JOB POSTINGS.**

**MESSENGER:** Woman to work day shift for the Messenger Service of the Plant Supporting Services department of Central Staff Services (J.P. no. 3570).

**FUNCTIONS:** Pick up and deliver inter-plant mail; post bulletin boards; operate duplicating machines; type.

**QUALIFICATIONS:** Average typing; good memory; enjoy walking; clerical experience helpful but not necessary.

**STOCK CLERK:** Men to work day shift for the Stock-Warehouse of Material Management (J.P. no 5656).

**FUNCTIONS:** Deliver materials from dock to plant areas; maintain and order materials for automatic shelves; perform necessary clerical work.

**QUALIFICATIONS:** Stock or material handling experience helpful; clerical aptitude; physical stamina—must be able to stand most of the time.

**RECORDS CLERK:** Woman to work day shift for the Custom & Militarized Instruments department of Instrument Manufacturing, Plant 4 (J.P. no 4904).

**FUNCTIONS:** Process orders; type memos; post daily activity; prepare weekly reports; initiate and maintain files; contact other areas for information and parts.

**QUALIFICATIONS:** Accurate typing; familiarity with Tek procedures.

## CHILD CARE

**CHILD/INFANT CARE:** daily, hourly or overnight, 1-A play area, 1 blk. west of Melody Park. Mrs. Bauder, MI 6-2978.

**REFINED MATURE WOMAN:** before & aft. school, my home, 1 blk. from Barnes school. MI 4-4805.

**HILLSBORO AREA:** my home, Erlene, ext. 7316 or MI 8-3002.

**BEAVERTON AREA:** my home, home, daily. Mrs. Eva Preiskorn, MI 4-0821.

**BABYSITTING:** my home, Hillsboro. MI 8-6477.

**CHRISTIAN MOTHER:** care for children 2-6 yrs., fenced yd., play equip., playmate, 1/2 blk. west of Beav. hi. MI 4-7666.

## CARS FOR SALE

'61 FIAT: Bianchini 500, orig. owner, 10,000 mi., perf. cond., \$595. CY 2-1348 aft. 5.

'54 CHEV: 1/2-ton pickup, deluxe cab, \$1,400, MI 4-3400, no Saf. calls.

'54 FORD: 4-dr. wagon, \$1095. MI 4-3326.

'59 RAMBLER: American, hydra-matic, radio, w/w tires, make offer. Walt Duyck, ext. 7474 or MI 6-1066.

'59 MG: r/h, wire wheels, two tops, \$1325 or best offer. CH 4-9677.

'59 VW: r/h, w/w tires, carpets, many extras, 1 owner, \$1095. MI 4-0728.

'63 CHEVY II: Nova super sport coupe, auto., tint, w/wh shield, w/w tires, r/h, 6000 mi., \$2245. MI 4-3353 aft. 6.

'59 TRIUMPH: motorcycle, Bonneville v/van Dutch scallop paint job, excel. cond., w/trailer, \$850. Errol, ME 9-4970 aft. 4.

'56 PLYMOUTH: 2-dr., runs gd., \$495. Alma Ward, ext. 395 S or MI 4-4909.

'50 PONTIAC: 2-dr. sedan, hydra., gd. rubber, recent radiator & brake lining, \$150. Gene Paul, MI 4-6940.

'59 RAMBLER: American, super, wagon, o'drive, best of care & cond., \$800. MI 8-3807.

'60 CHEV: wagon, V-8, auto., r/h, new tires, excel. cond., \$1400 or make offer. Ext. 353S or MI 8-4321 aft. 5.

'50 AUSTIN: 4-dr., many spare parts incl., \$125. Dave, ext. 325 or MI 4-8996.

'55 CHEV: Bel Air, 2-dr., r/h, new motor, new tires, stick shift, \$500. EL 7-3571.

'56 FORD: Crown Victoria, V-8, auto., r/h, w/w tires, slightly dented rear end, \$350 cash, trade considered. Helen Osburn, ext. 7696.

'56 PLYMOUTH: 2-dr., htdp., V-8, auto., pwr brakes, r/h, 52,000 mi., \$395. Ext. 7637 or 246-7091 aft. 6.

'56 PLYMOUTH: 4-dr. sedan, V-8, auto., clean, dependable, \$395. Jim, ext. 535 or CY 2-5496.

'60 COMET: 2-dr. station wagon; blue, better than \$1225 book. Top buy at \$975; will take older car. Russ, ext. 7497 or MI 6-2349.

'61 ALPINE: Mark II, both tops, radio, red w/black int., 19,000 mi., \$1850. MI 8-2453 eves.

'58 AUSTIN HEALEY: Sprite, seat belts, roll bar, \$640 or best offer. AL 3-7257.

'59 FORD: 4-dr. sedan, custom 300, V-8, auto., pwr. brakes, new paint, gd. tires, \$1290. Brad Webb, ext. 7110 or BE 5-3746.

'63 OLDS: wagon, 8-pass., pwr. steer & brakes, 5000 mi., excel. cond., factory guarantee, \$3695. Dick, ext. 7490 or CA 3-5930.

'53 GMC: 1/2-ton pickup, deluxe cab, \$395; '57 Ford, 9 pass. wagon, V8, auto., needs fender repair, \$450. MI 4-6478.

'60 CHEV: Impala, 4-speed, 348 cu. in., r/h, w/w tires, \$1750. MI 4-9874 aft. 4.

'59 RENAULT: excel. cond., best offer buys. Ext. 7358 or MI 4-0568.

'54 FORD: Victoria htdp., V-8, auto., r/h, new tires, \$395. Donna, ext. 333 S or 282-5345 aft. 6.

'60 PLYMOUTH: Belvedere, V-8, auto trans., pwr. steer./brakes, 4-dr., wsw, r/h, 36,000 miles, \$1095. Must sell, leaving for Norway Oct. 25. Bill, ext. 235.

## RIDES AVAILABLE

'60 TIGARD: Hwy. 217, 7-3:30. Bldg. 39. Les Mortier, ext. 7352.

## FREE

WAREHOUSE SALE: overstocked w/ female cats and kittens, all items must go. Carol, ext. 7469.

TRADING POST is a free service to Tektronix employees. Mail ads to delivery station 74-298 or call ext. 405. Deadline: Fridays at 12 noon, one week before publication. One ad per employee per week. Ads offering to buy or sell Tektronix, Inc. shares will not be accepted. Prices must be included on "for sale" items and rentals.

## WANTED

OLD BANJOS: flat-top guitars & mandolins. Dave, ext. 7375.

TO RENT: clean, 2-bdrm. house close to Tek. Carol, ext. 7524 am, 7528 pm.

SANDER COMB: belt & disc, 4 or 6-in. belt, 9 or 10-in. disc. Arnold Labby, ext. 7624 or CH 6-6988.

SPARKS OIL HEATER: gd. cond. BE 6-8810 aft. 4:30.

BOYDS COFFEE LIDS: for Girl Scout troop No. 63 for trip to Wash. D.C. Kathy, ext. 316 or MI 4-5830.

SCHOOL/CHURCH BELL: lge., old, suit. for home cupola. Muriel Phillips, ext. 7795 swing or CY 2-6084.

CROCKS: any size, can pay small amount. CH 6-4913.

BABYSITTER: from 7:30-4, needs own trans. MI 6-2280.

SHOTGUN: single or dble. Ext. 325 or MI 4-8996.

GARAGE TO RENT: in Beav. area for 14-ft. boat. Harry Eklof, MI 4-0747.

BOWLING SHOES: for left-handed lady, size 7 to 7 1/2, Don, ext. 651 or MI 4-9034.

BUILDING TO TEAR DOWN: for materials. MI 8-1588.

EXTENSION LADDER: 20-ft., around \$10. MI 4-7460.

COSCO CRIB: with w/o matt., rocking chair. MI 6-2454.

BUILDING LOT: west side, \$1500 to \$2500 cash, also interested in small acreage. MI 4-4188.

FRANCISCANWARE: apple pattern. Ext. 7486 or EL 7-7305.

## RIDES WANTED

FROM HILLSBORO: to Bldg. 71, 8-4:30, Andy Wilcox, ext. 451.

FROM 32ND PLACE: & Salmon, to Plant 2, 7-3:30. Peggy Wallstrum. Page 7201.

FROM 27 & HOLGATE: or Powell, 7-3:30 shift to Plant 4. Lois Ruotsi, ext. 672 or 232-7327.

FROM FOREST GROVE: to corner Watson & Broadway, 7-3:30 shift. Jonna Sherman, ext. 641 or EL 7-2429.

FROM BURLINGAME AREA: carpool or ride to Sunset plant, 7-3:30 shift. Dave, ext. 300S or CH 4-3934.

## HOUSES FOR SALE

3-BDRM: Raleigh Hills, Bridlemile area, 2 bath, full dylt. bsmt. w/ party rm., plumb. for 3rd bath, \$18,250. CY 2-4813.

3-BDRM: Medallion home, Hillsboro, 1 1/2 blks. from jr. high & grade school, \$14,950. MI 8-3665.

3-BDRM: fam. kitch., builtin appli., drapes, w/w carp., quarry tile ent., ceramic tile bath, 3 mi. to Tek., 1/2 bath in dble. gar., \$19,000. MI 4-4725.

3-BDRM: ranch style, NW 107 in Orchard Hill dist., FHA \$18,750, sell \$17,950. Open Wed.-Sat. 1-7. Les Diehl, AL 3-0683 eves.

3-BDRM: fam. rm., new roof & paint, 2/3 acre, \$13,950. MI 4-5097.

3-BDRM: Garden Home, 2 bath, 2 fp. fam. rm., lge. lot, \$16,900. CH 4-2448.

3-BDRM: hdwd. flrs., 1 2/3 baths, lge. liv. rm., fp, dble. lot, full-sized gar., 4505 SW 165th, nr. Tek, \$14,500 or FHA. MI 4-2218.

3-BDRM: Aloha, 1 1/2 bath, brick house, lge. yd. & garden, fenced, \$15,200. MI 4-0313.

## MISC. FOR SALE

14-FT BOAT: motor & trailer, \$250. MI 8-5059.

WHEEL & TIRE: '62 VW, like new, \$15. 771-3068.

2-WHEEL TRAILER: 4x6, 40-in. high, wooden cover, 6.70x15 tires, lights, \$40. MI 4-5437.

MAHOGANY ROCKER: swan arms, antique style, \$7.50. CH 4-3302.

OIL FURNACE: closet type, complete, suit. small house or trailer, \$35. Betty, ext. 641 or MI 4-1578 aft. 4.

LADIES' ROLLER SKATES: size 8, \$15 or best offer. 292-5089 aft. 4.

REGAL WARE COOKWARE: 12-pc set of heavy alum. waterless cookware, new, cost \$60, sell \$30. BU 9-7097.

FIREPLACE WOOD: few cords left, \$12.50. Ext. 581 or MI 8-6294.

HEREFORD BEEF: young grain-fed, inspected slaughter, 42 cents/lb. Call collect EA 4-2569 aft. 8 p.m.

HARDMAN PIANO: 52-in., mahog., gd. cond., \$175 or make offer. BE 2-7347 aft. 6.

GO-KART: 2-cyl., pwr. product eng., new rubber, \$50. Jay, MI 4-2629.

HOTPOINT RANGE: all burners & oven in gd. cond., \$25. Ext. 360 or MI 6-3971.

VELVET WINTER COAT: size 12 mos., turquoise w/white collar, match. hat, excel. cond., \$10. MI 6-1258.

HAM STATION: trans., rcvr., TR switch, microphone, 110V pwr supply, all for \$175. Dean, ext. 325 or MI 4-8996.

M-I GRANDE 306: sporterized rifle w/ silver inlay, \$265 value, sell \$135. ME 9-4558.

BABY FURNITURE: carbed, \$5; playpen w/pad, \$10, stroller, \$10. MI 8-5864.

HOFFMAN TV: works good, \$50. MI 6-1820 eves.

CHILD'S WARDROBE: 20-in. dp, 30-in. wd, 51-in. tall 2 30-in. doors, 3 bottom drawers, \$15. Jim, ext. 7453 or CH 6-1872 eves.

SLIDE CAMERA: Argus C-3, w/ carry case, flash attach. & telephoto lens, like new, \$45. Trudy, ext. 610 or MI 4-8910.

WINCHESTER: model 70, 338 magnum rifle, Bushnell, 4x scope, case & sling, some ammo, \$175. MI 6-3457.

RCA TV: port. w/stand, \$85. MI 8-5260.

OVERSIZED DAVENPORT: \$50. 292-4662.

SWEATER & SKIRT: outfit, red, Jantzen, like new, \$10. MI 4-9329.

FIRMLINE EXERCISER: relaxer, massager table, \$775; bathinette, \$5; Bell aqua tank & regulator, \$100. MI 4-9357.

BOXER-LAB PUPS: black w/white, chest, healthy, \$8; Frigidaire range, 4-burner, 3-drawer & oven, \$35. MI 4-7039.

ADMIRAL HI FI: auto., port., 4-speed, \$35. Dolores, ext. 7796 or MI 4-9708.

BOWLING BALLS: 11 1/2 lbs. & 12 1/2 lbs., \$7 ea. Alice, ext. 7620.

DINETTE SET: oval table, 42x60, 6 chairs w/vinyl cover, chrome legs, excel. cond., \$50. 654-3656.

MATERNITY CLOTHES: black velvet-teen skirt, like new, \$3; navy blue suit, \$3; size 10. MI 4-7458.

WRINGER WASHER: Maytag, gd. cond., \$20. MI 8-4413.

TV ANTENNA: all channel, w/direction rotor switch, mast, stand-offs, long lead-in, \$20 list, sell for \$13. Loyde, ext. 7241 or JE 8-3923.

STEREO CONSOLE: sep. speaker, dble. amp, blonde finish, \$65. MI 4-5519.

BEDROOM SET: nearly new, black, complete, \$60; chrome dinette set, \$10. Karen Helfrich, ext. 672 or MI 8-2475.

## MISC. FOR SALE

STEREO RECORDS: & hifi, all types, best offer. June McCracken, ext. 672 or MI 4-9341.

LADIES' FIGURE SKATES: white, size 8, used twice, make offer. Delorus Churlin, AL 2-9681.

FIGURE SKATES: girl's, white, sizes 1 & 3, off-set blades, \$5 pr. Ext. 7315 or 288-2727.

SUFFOLK EWE SHEEP: \$25. Dorothy Merritt, AV 6-1187.

HAM GEAR: complete Morrow mobile/home station, all pwr supplies, cables, etc. like new, \$260. Don, ext. 442 or MI 6-1765.

SOFA LOUNGE: beautiful, nearly new, light pink, \$49; nearly new blonde occas. tables, \$5 ea. MI 8-1913.

STROLLO-CHAIR FURNITURE: best cond., make offer. EL 7-6268.

HAM BAND RECEIVER: Heath-Mohawk, Heath 2-meter converter, \$225 or trade for test equip. Dean Kidd, ext. 348S or ME 9-4491.

16-FT BOAT: glass, 88-in. beam, 40 Merc., Teenee trailer, full cover, \$1295 or offer. MI 4-6205.

WINCHESTER SHOTGUN: new, 12-gauge pump, recoil absorber, sheepskin lined case, \$100. Don, BU 9-7122.

NORGE AUTO WASHER: \$25. MI 4-8303.

POLAROID CAMERA: model 80A, Highlander flash attach. & light meter, \$50. Jo Hill, ext. 7583 or EL 7-6636.

SAXOPHONE: Buescher 500 Tenor, excel. cond., \$165, cost over \$500. CY 2-1348 aft. 5.

LOT: size 115x139, Bentley ave., Hillsboro, \$2500. MI 8-5287.

VIKING I TRANSMITTER: \$100; H-O gauge train layout, 4x8 ft., 2 lap oval w/4 switches & crossings, \$25. CH 6-1377 eves.

RAM CHARGER SHORTBLOCK: 426-cu. in., still in crate, \$500. John Casti, 282-7526.

DACHSHUND PUPPIES: small breed, litter AKC reg., \$50. Ann Berry, MI 6-2419.

SHELTIE-COLLIE PUPS: miniature, \$10 ea. Ron, ext. 356 or MI 4-8802.

DINETTE SET: blue, oval formica-top table, 6 chairs, \$25. MI 4-6970.

DAVENPORT: \$20; dinette set, \$10; Geo port. TV, \$45; 4-barrel carb & manifold for '59 Pontiac, \$35. MI 6-2639.

NEW BATHTUB: never used, \$50. MI 4-8785.

## RENTALS

COTTAGE: furn., for 1 or 2 adults, \$65. MI 4-9028.

2-3 BDRM: 1050 NW Electric, adjoining Tek, \$70. Les Asbahr, BU 5-2146.

3-BDRM: w/dishwasher, attach. gar., 12075 SW Faircrest, \$125. CA 8-3043.

2-BDRM: unfurn. house, nr. Tek, \$85. MI 4-1400.

2-BDRM: apt., new, unfurn., w/w carp., drapes, Hotpoint appli., Knoll Terrace, Tigard, \$85. 284-4558 or ME 9-2575.

3-BDRM: ranch-style house, Cedar Hills, all appli., adults only, gar., fp, oil heat, lge. yd., \$135 on 1 yr. lease. A. T. Allen, 244-2651.

2-ROOM: apt., \$60, 1-room apts., \$40 & \$45. util. pd. AT 2-6104 aft. 7.

1-BDRM: apt., lge. unfurn., all util., Beav., carport avail., \$95. CH 4-3744.

1-BDRM: small house, pty. furn., oil heat, out-bldgs., 1A, 1 mi. SW of Reedville on old Churchly rd. A. C. Boileau, MI 8-5948.

MOBILE HOME: 50-ft., 2-bdrm., w/d, \$75. MI 4-4456.

# John Thompson and 647 demo survive plane crash Rock club show opens tomorrow

(Guernsey Star, Wednesday, September 25, 1963): "Police stood guard over the wreckage of a Bristol freighter at St. Peter's last night. It had crashed in a field bordering Plaisance road after take-off at about 12.5 p.m. yesterday."

On board the Bristol Mark 32 car ferry, in addition to the crew, was John Thompson, Tektronix Ltd. field engineer, his car and his demo 647 oscilloscope. No one was injured in the crash.

John's report reads, in part:

"The 647 was packed in its normal shipping carton (outer box and expanded plastic pads) with the two plug-ins installed in the instrument. The top of the carton was not sealed. "The carton was placed on its side in the boot (trunk) of my car with the top of the carton facing towards the rear of the car. The configuration of the boot (trunk) prevented the unsealed top of the carton from opening to any appreciable extent and also limited fore and aft movement of the carton to about 2-3 inches. Side to side movement of about 8 inches would have been possible. British cars are smaller than American ones! (John's car is a Riley 1.5 —ed.)

"The car was loaded facing the rear of the aircraft so that the rear end of the car was just inside the nose door of the aircraft. In this position it, and the 647, experienced the full force of the crash. The boot-lid of the car was ripped off, the roof crushed downwards and the whole rear end somewhat telescoped.

"In these conditions the 647 was trapped between the floor of the boot, which was pushed upwards, and the ledge behind the rear seat (base of rear window) which was pushed downwards. . . . The shock and vibration which it experienced must . . . have been severe.

"On removal, the scope was found to be well sprinkled with earth but apparently intact. The two top frame members are slightly bowed downwards at their centres and there are slight dents on the top corners of both side panels. The front panel and controls are unmarked and the smooth fit of the plug-ins in their compartments is unimpaired. The mounting of all heavy components (timing caps in 11B2, power



**WRECKAGE** of the Bristol Freighter lies in a Guernsey field near St. Peter Port. On board was John Thompson, Tek, Ltd. field engineer, and a Tek 647 scope. John was unhurt and the 647 was undisturbed.

transformer and electrolytics in 647) appeared to be quite undisturbed. All switches and controls functioned smoothly and all transistors and nu-vistors were still firmly seated in their sockets.

"The dirt was blown out and the displaced components re-positioned. No components were replaced. The scope was switched on and slight adjustments were made to the TRACE ROTATION and CRT GRID BIAS controls. Apart from this, no work was necessary. All circuits functioned normally and sweep timing and vertical sensitivity were still 'spot on'.

"I think we would all be ready to admit that had other scopes been involved . . . the story would have been a different one. All the more credit, therefore, to the designers of the 647.

"Subject to the co-operation of the airline being obtained, Tektronix Ltd.

may be prepared to consider further environmental testing of this type. I personally, however, would prefer not to be involved."

According to the Guernsey Star report, the pilot abandoned take-off when he realized he did not have sufficient power. A team of experts from British United Air ferries are investigating the crash.

## 'Tek Bug' bowlers chalk up six 200s

The keggers of the Tek Bugs bowling league laid the wood down in batches again last Tuesday, October 1, with six more 200 plus games.

Bob Pickett got half of this number with his 648 series and games of 226, 213 and 209. Roger Carter rolled a 200, Sherman Bell a 210, and Harry Stewart a 204. Jane Harnett had high series for the gals with her 500. Lorraine Stewart had high game of 183.

In Scopettes bowling league action Peggy David tallied a 500 series; Doris Gibbens had high game of 193.

The Tek Rock club's Gems, Minerals and Hobby show opens tomorrow morning at 10 o'clock at OMSI (Oregon Museum of Science and Industry), 4015 SW Canyon rd.

Tickets are on sale in the Bldg. 45 cafeteria for an agate-top table made by the club members. The table, on display this week in various Tek buildings, will be given away at the show Sunday. A 50-cent donation for each ticket is required. Winner need not be present at the time of the drawing.

Special exhibits of Brazilian agate and amethyst crystals will be featured at the two-day show (tomorrow 10 a.m. to 9 p.m.; Sunday 10 a.m. to 7 p.m.). Prizes and grab bags are planned; admission is free with admission to OMSI.



**HOPEFUL** that he'll be the lucky person to win the Tek Rock club's agate-top coffee table is Jim Schneider (Data Processing). IO receptionist Pat Tiedemann didn't have to give him too much of a sales pitch—because of the table's beauty, of course.

## Human Relations man takes leave

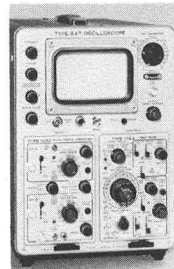
John L. Wallen, director of the Human Relations Development group, announced in a Newsletter last week that he will be away from Tek temporarily—until about June 1964.

John will be working on a research project financed by the National Institute of Mental Health. He hopes the project will be completed by next June.

During his absence John Lamb will be responsible for the educational programs carried on by the Human Relations Development group: The Group Process Laboratories and related efforts toward improving committee effectiveness and (2) the Relationship Improvement Program.

Disputes, personal conflicts and potential situations for review will be referred to the Employee Relations department.

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**TEK'S TWO-SOME** in the plane crash: The 647 Scope (left) and John Thompson, Tek Ltd. FE. Both look this way under normal conditions.

## IEEE-backed course still has openings

The Electrical Measurements and Standards course, sponsored by the Portland IEEE Section this fall, still has openings.

The course (consisting of 11 lectures) is designed to update the engineer's knowledge in a broad spectrum of applications. Lecturers are recognized as specialists in their fields. Norm Winningstad, Sandy Sanford and Wim Velsink (all of Tektronix) are giving lectures during the 11-week course.

Fee is \$15 for IEEE members; \$20 for non-members. Class meets Wednesdays, 7 to 9 p.m., U of O medical school, Room 1162, Medical Science building.

Contact H. J. White, c/o Division of Science, Portland State college, P. O. Box 751, Portland 7, or register at the class (already in session).

## Husky Harve Dethlefs, a Stomper, finishes off the fightin' Falcons

### TEK FLAG FOOTBALL LEAGUE Third Week Standings

	W	L	PF	PA	Pct	GB
Wolverines (Whse. 70)	2	0	41	18	1.000	...
Stompers (Whse. 71)	2	1	76	59	.667	1/2
Falcons (Finals)	1	1	38	45	.500	1
Alchemists (Electrochem)	0	1	6	15	.000	1 1/2
Thunderbolts (Plant 3)	0	2	20	43	.000	2

**LAST WEEK'S RESULTS**  
Alchemists vs. Thunderbolts—postponed  
Stompers 39, Falcons 20

**NEXT WEEK'S GAMES**  
Tuesday: Falcons vs. Wolverines  
Thursday: Alchemists vs. Stompers  
Bye: Thunderbolts

By ED DAVIS

Tuesday's game was postponed because several of the Alchemists were unable to play due to conflicting schedules. It will be played during the fifth week when the Thunderbolts drew a "bye."

Thursday's game saw the

Stompers beat out a staccato rhythm on the Falcon's aviary and stun them with 39 tallies.

Stomper Harve Dethlefs had a field day. He ran two touchdowns (one was an intercepted Falcon flog) and threw four payoff passes to his mates: Two to Chuck Duquette, one to Bill Dreyer and one to Gerry Johnson. PATs were chalked up by Don Craig, Gerry Johnson and Jack Piercy.

The Falcons weren't struck entirely tone-deaf, however, as they followed the rapid tempo to the tune of 20 points themselves (all scored in the second half).

On the second half opening kickoff (by the Falcons) Steve Keyes pounced on the loose football in the Stomper end zone for his team's initial score. The next TD and PAT were both Doyce Brown-to-Jim Fischer passes. Then they switched positions after Jim scored the third TD and threw to Doyce for the extra point.