

Eastern Clan Gathers At Union

Following the NRC show in Chicago, Bruce KIM, Engineering went East to deliver a special Type 316 to the 51st Air Corps and offered to pass along to the maintenance and field engineers of the Eastern Division as much as he could about the Type 571 circuitry, and such that Dick Roguszek had given the Central Division prior to the NRC show.

Jack Cassidy, Eastern Division manager, brought in a group of his field Engineers who was practical and a total of seventeen Yels including all the maintenance and field engineers from New York Metropolitan gathered at Union, New Jersey.

Len Wolff, Balt.; Chris Christensen and Bill Edwin (New in the field) from Philadelphia; Dick Phillips from Boston, Harry Pyle from Syracuse, Howard King, Jerry Koenig and Henry Rosenthal from Long Island, John West, Harry Mayo and Jack from Brunswick and of course Harry Allison, Scott Indice and Joe Vistica who are based at Union.

The program started off promptly at 9:00 A.M. with Joe Vistica giving a demonstration of how a dirty oscilloscope can be cleaned up and spun in the field. A special set-up which Union has completed. This was for the benefit of people who are soon to get into such an operation in their own offices. After watching the scope was ready for being out in a hot, humid area — to be and below in the area were doughnuts and pastries which Marian Rutkase and Mary Alice Peterson had needed in earlier, then calling for a coffee break.

Then Dean took over and they discussed some of the basic circuitry of the Type 316. The whole group had lunch together and continued the meeting in the afternoon, not breaking up until 7:30 P.M.

Tek Oscilloscope Aids Thermal Test

For many years a completely furnished house built on the roof of Honeywell's main plant, 2751 Fourth Avenue South in Minneapolis, has given engineers data for heat transfer studies. Its five furnaces, controlled by 125 thermostats, can simulate almost any problem. Today a TEK four electron beam can duplicate the thermal characteristics inside or outside any house and produce the complete life span of the structure in a matter of minutes. It is typical of Honeywell's employment of new devices to assist engineers in producing more controls for human comfort.

Don Clifford, Field Engineer in our Minneapolis Office forwarded to WEE March a news article on the above which included a nice color photo of Honeywell's engineers. Lorne Nelson was the Tektronix instrument coupled to the electronic brain. This is an example of oscilloscope application that has to do with everyday things rather than the wonder world of rockets and missiles.



TEKTRONIX ENGINEERS MONITOR SIGNALS FROM RUSSLAN SATELLITE Cliff Moulton and Dusty Rhodes made news of local interest when they captured reception and oscilloscope measurements of the pulsing radio signals emitted from the Russian Satellite.

The Tektronix Oscilloscope took many more bows in the past month as it was pictured with top-flight engineers from coast-to-coast who proudly displayed to the eager world what they had captured on the screen of their instrument. Sputnik was in its orbit about the earth, whirling through space at almost 18,000 miles per hour and sending back to the world its intermittent and unintelligible beep-beep.

Here in Portland at Tektronix, our engineers instantly grabbed Sputnik by its tail and resolved its orbit, speed and coded signals into an intelligible phenomenon that could be explained to the man-in-the-street.

The man who knows it most sought after by the chance of communication when something new under the sun needs an explanation. Cliff Moulton, Charles "Dusty" Rhodes and Jim Strickland were those Tek who will vouch for this statement. As soon as the press, radio and TV knew about the work being done by this group they looked to them for local information on the Sputnik and its whereabouts.

Clippings from newspapers were sent in from Phoenix where satellite signals were monitored and tape recorded by two employees of the G.I. Computer Department in Tempe Arizona. They fed the tape recorded

Radiological Monitors Qualified



The Tek personnel shown here attended a Civil Defense course in radiological monitoring at the Hillsboro Southwestern September 11th through October 16th.

The course consisted of six weekly evening sessions, and dealt with the nature and extent of danger from hand radiation (Gamma or X-rays, Beta rays or electrons, and alpha rays or ionized helium atoms), following an atomic explosion, protective measures, and the methods of searching, measuring, marking and decontaminating the danger areas were included in the study.

The object of the course was to train people for monitoring tests to serve in case of atomic attack. It is considered very important that industries employing a large number of people have a trained group

such as this among their own personnel to assist the Civil Defense effort in event of a catastrophe.

With the exception of Ed Hopper, Final, the group is composed of Tek personnel. (Vern McAdams is presently doing work in the Capacitor Department.) Ed and Frank Bertalot are also associated with the Washington County Sheriff's office and the training will aid them in that official capacity.

The group viewed films of the A-bomb and Hydrogen bomb explosions and engaged in actual drills with a "hot" sample of radioactive material. They considered the Civil Defense course informative and although it was primarily designed with the Washington County area in mind the principles of radiological monitoring are universal in use.



Sputnik 11 (top) and 1 (bottom) in 100 cycles with 1 sec./m sweep signal into a Tek oscilloscope and photographed the display in the same manner that photographs were made for the local Portland paper. Another press notice came from Philadelphia where Dr. Kenneth Franklin, astronomer of Hayden Planetarium, New York offered photographic proof of Sputnik coded transmission — again on a Tektronix oscilloscope. The Tektronix oscilloscope no doubt served in many other similar spots throughout the country. The whole Tek family can be proud of their association with an instrument so widely accepted as being artistically and technically reliable.

The TV presentation by Cliff and Dusty carried by both channels here on Monday, October 7th was just the beginning in a series of radio programs, luncheon talks and cool nights on Klyon Hill. Dusty Rhodes retired from the local scene to take part in the Toronto IRE show and Cliff sent demonstrations of one of our new instruments, and this left Cliff Moulton to do most of the honors in keeping up with requests for information on the satellite. The procedure our engineers followed in studying and monitoring the satellite's signal has been described here for us by Jim Strickland. An article was also written by Cliff for Electronics news and the material here was also submitted by Jim as his regular column WEEF COLUMN, which he writes for the Sixth Army's MARS.

Tektronix Scopes Shown In Toronto

The second Canadian IRE show was held in Toronto, Ontario on October 16 to 18 inclusive. About Monday, October 14, our people here got to show up in Toronto — Scotty Pyle, Ray Lintick and Bill Klackler from Syracuse, Jack Cassidy from Brunswick, and Charles Rhodes and Fred Tinker from Portland — to help Marvin Couch and Udo Lindemeyer who are based in our Toronto Office.

The new Type 512 was included in the show setup which displayed the Type 585, Type 536, Type 571, Type 515A, Type 516, and Type 316. No problems were encountered and the group gathered in a hotel room on Tuesday October 15 to hear Fred Tinker and Charles Rhodes tell their show set notes.

Charlie, (unmistakably by local society and Sputnik fans) gave them a background on the new 526 Vector scope which he planned to demonstrate to a few TV people in New York after the show.

Attendance at the Toronto show can well over 6000 and the only unfortunate incident was that Charles Rhodes caught the 'flu' which Fred Tinker got the next week in New York City. (Carrier waves probably.)

Byron Brown came in from Chicago following the IRE show and a swing about our Central Division office. Elizabeth Nilsson, Toronto field secretary week-end in Toronto also came in for a visit.

A new record was set at the close of the show when the twenty-four cartons of equipment were packaged by those present in exactly an hour with a special thank you going to Fred Tinker who stayed through to the bitter end.

RALLY SPARKS ANNUAL UF DRIVE

Totals To Date: \$12,350.35 United Fund \$112.10 March of Dimes



Tektronix Annual Fund Solicitation get underway with a United Fund Rally Kick Off Breakfast at the Metropolitan Hotel. Employee Chairman Vern Hansen and Co-chairman Let Wagner on the right attended with Bill Lowery and Maryellen Stevens who have already done nearly two months work for United Fund in "meat excursions".



Later in the day, October 3rd, showstopping weather abated long enough for a plant rally. This was held at the Roofing House with Howard Volkm leading off the talks. Vern Hansen introduced Ed Stewart, Chairman of the United Fund Spokemen Bureau, and also closed the rally with a song. The total amount of money collected for the drive will be deducted from the bonus checks in December.