

## ALL-ENGLISH OSCILLOSCOPE

ANNOUNCED BY TEK-GUERNSEY

### Features Calibration in Practical Units

A precision, laboratory oscilloscope, calibrated directly in practical English units of measure, has been announced by Tektronix-Guernsey. Designated the Type 545AE ("for All-English," smiles designer E.M.I. Livingston-Cossor), it is claimed to be the first and only oscilloscope using English measure exclusively.

The instrument, patterned after the American Type 545A, is said to eliminate completely those beastly cross-computations necessary to evaluate the instrument's performance specifications and to translate measurements into practical terms.

Plug-in preamplifiers Types AE through ZE provide varying vertical characteristics for specific applications. Basic performance specifications are reported on the basis of use with the Type KE preamplifiers:

|                                |                                                                                                                                                       |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| <u>Cathode Ray Tube:</u>       | Faceplate area, 3 1/8 microacre.                                                                                                                      |
| <u>Usable Beam Scan:</u>       | Vertical: 182 13/32 microfathoms<br>Horizontal: 497 microfathoms                                                                                      |
| <u>Bandwidth:</u>              | 113 Gigaradians per minute                                                                                                                            |
| <u>Risetime:</u>               | 3 11/32 picoseconds                                                                                                                                   |
| <u>Vertical Calibration:</u>   | Directly in kilovolts per fathom. The vertical scan area is divided into 64 equal divisions, each representing 2 119/128 microfathoms.                |
| <u>Horizontal Calibration:</u> | Directly in fortnights per furlong. The horizontal scan area is divided into 128 equal divisions, each thus representing 3 113/128 microfurlongs.     |
| <u>Sweep Range:</u>            | Twenty-four calibrated sweep rates cover the range between 16 37/64 millifortnights per furlong and 1 21/32 nanofortnights per furlong.               |
| <u>Magnifier:</u>              | An accurate X5 magnifier shifts the effective sweep range to provide rates of 3 5/16 millifortnights per furlong to 11/64 nanofortnights per furlong. |

Sweep Delay: 8 1/4 microfortnights to 53/64 picofortnights.

Power Consumption: Wired for either 117 v or 234 v mains, 18, 840 to 22,600 radians per minute, the 545AE draws 1875 BTU per hour.

Physical Specification:

|         |                |
|---------|----------------|
| Height: | 4 hands.       |
| Length: | 1 1/5 cubits.  |
| Width:  | 1 41/64 links. |
| Weight: | 4 1/2 stone.   |

Price: 527 Guineas, less preamplifier.

Bill Carter  
Del. Station ?

FIELD PERSONNEL CHANGES

New Hires:

|                  |              |             |        |
|------------------|--------------|-------------|--------|
| Cheryl McIntruff | Secretary    | Albuquerque | 5/5/75 |
| Gail Heaney      | Clerk-Typist | Dallas      | 5/8/75 |
| Paul McGee       | Stock        | Rockville   | 5/5/75 |

TERMINATIONS:

|                |               |                         |
|----------------|---------------|-------------------------|
| Karen Davis    | Secretary     | Albuquerque             |
| Glenn Lewis    | Stock         | Long Island             |
| Virginia Olson | Secretary     | Philadelphia (from LOA) |
| Neil Tenney    | Elec. Tech. I | Rockville               |
| Laura Wheatley | Montreal      |                         |
| Jennifer Scott | Dartmouth     |                         |

NAME CHANGE:

|               |           |          |                            |
|---------------|-----------|----------|----------------------------|
| Linda Ashford | Secretary | Van Nuys | formerly<br>Linda Bertsche |
|---------------|-----------|----------|----------------------------|