

## 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 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 Linda Bertsche
---------------	-----------	----------	----------------------------