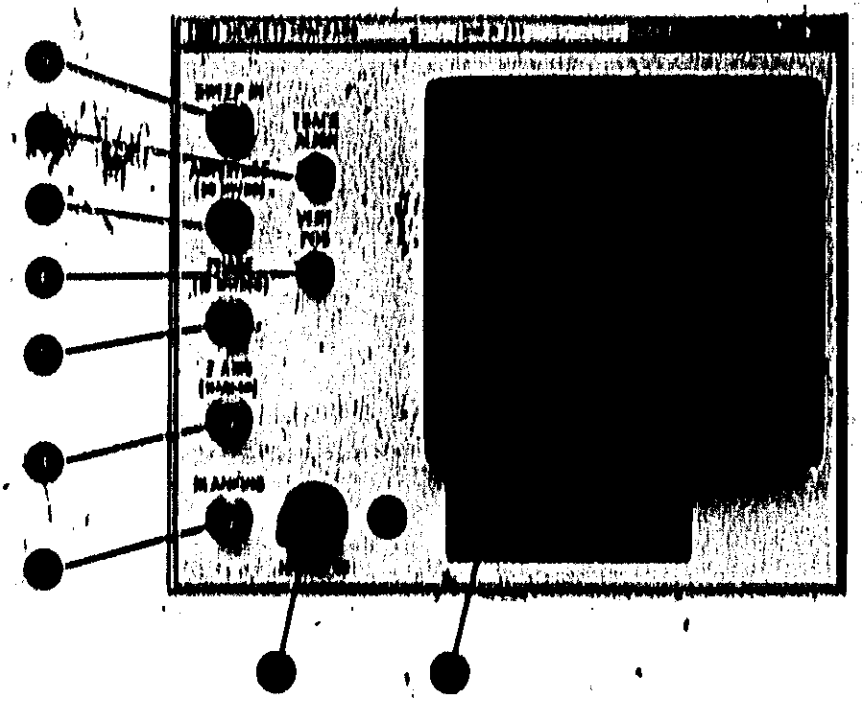
REAR PANEL



1. Mainframe interface connector J1. Makes all necessary connections with 8407A or 8410A mainframe.
2. Fuse holder. Fuse protection in 115 Vac line from mainframe. Fuse is 1/8 ampere slow blow.
3. BLANKING connector J6. Input for blanking signal from sweeper. The signal blanks the trace during sweeper retrace (+5V blanks, 0V unblanked).
4. Z-AXIS connector J5. Marker input to Z-axis that intensity modulates the trace, placing a bright dot on the trace at the selected marker frequency with HP Model 8690A/B. The input can both mark and blank (-5V intensifies, +5V blanks).
5. PHASE (10 MV/DEG) connector J4. Voltage output is proportional to the phase angle of the test signal compared to the reference signal. Output is 10 mV/degree positive voltage for phase angles of 0 to +180 degrees, negative voltage for angles of 0 to -180 degrees.
6. VERT POS Control. Varies phase and amplitude traces vertically. Refer to Section III, Paragraph 3-6.
7. AMPLITUDE (50 MV/DB) connector J3. Depending on the transducer used on the unit under test, the voltage output is proportional to the amplitude ratio of:
   (1) $\left[20 \log_{10} (V_{TEST}/V_{REF})\right]$,
   (2) $\left[20 \log_{10} (I_{TEST}/I_{REF})\right]$, or
   (3) $\left[20 \log_{10} (V_{RETURN}/V_{INCIDENT})\right]$.
8. TRACE ALIGN Control. Used to align CRT trace to the horizontal graticule. Adjustment should be performed with sweep oscillator set for minimum sweep width.
   Refer to Section III paragraph 3-9.
9. SWEEP IN connector J2. Input for sweeper signal that goes to horizontal (x-axis) amplifier.

Figure 3-3. Model 8418A Rear Panel Features