APPENDIX C - CONTROLS AND CONNECTORS

C-1   CONTROLS
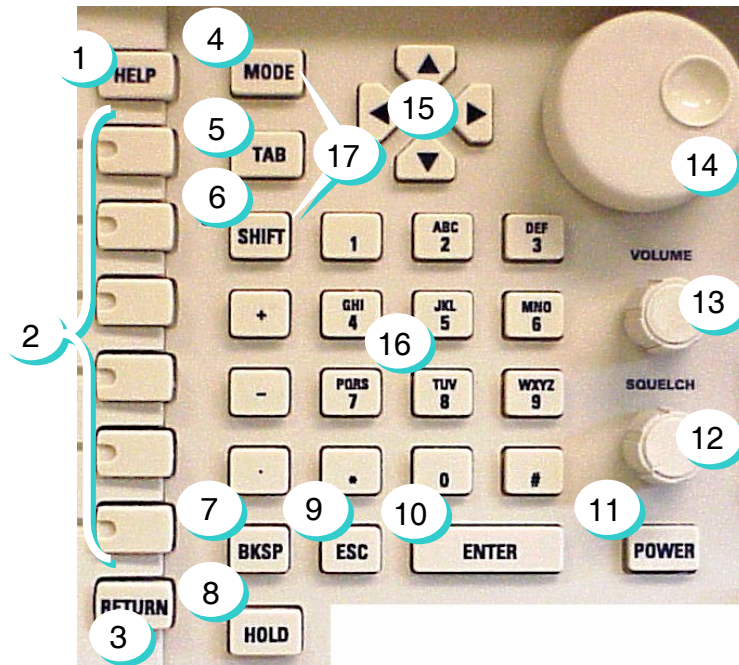
1	**HELP Key** Future Use: Context Sensitive Help on Screen.
2	**SOFT FUNCTION Keys** F1 through F7, screen dependent keys whose functions are displayed immediately adjacent to each key on the LCD.
3	**RETURN Key** Used in field select mode to return to the previous menu.
4	**MODE Key** Displays a list of major test set operations for the user to select.
5	**TAB** Moves the field cursor to the next editable field on the screen when field selection is active.
6	**SHIFT Key** Allows the alternate value of a key to be selected. Shift LED illuminates when alternative value is active.
7	**BKSP** Backspaces the present cursor position and deletes one space.
8	**HOLD Key** Future Use

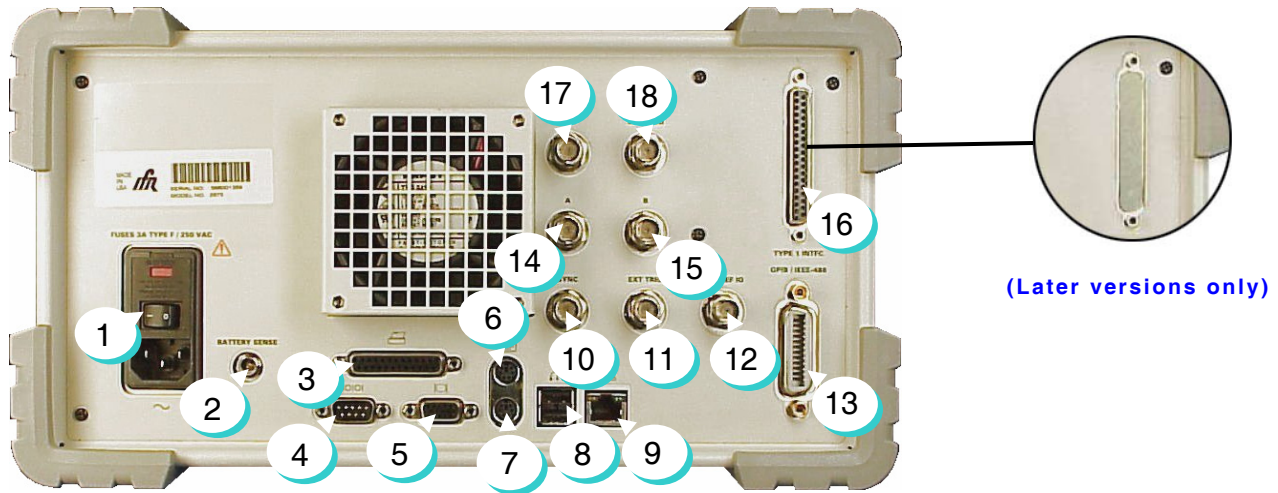|	
9	**ESC Key** Escapes the active edit field without saving the new data entry.
10	**ENTER Key** Generates a new line when pressed in a text entry field. If pressed in a data edit field, the data value is evaluated, set and the edit process is ended.
11	**POWER** Powers the 2975 ON/OFF when the Main Power Switch is in the ON position.
12	**SQUELCH KNOB** Adjust the threshold for receiver squelch.
13	**VOLUME KNOB** Rotate clockwise (cw) or counterclockwise (ccw) to adjust audio volume level on the speaker.
14	**SPINNER KNOB** Used to increment and decrement data values in an active edit field and change cursor fields. Rotates clockwise (cw) and counterclockwise (ccw).
15	**ARROW Keys** Moves the cursor to a new field when pressed in field select mode. Up and down arrow keys increments or decrements the current digit in edit mode respectively. Left and right keys move the selected character cursor left or right respectively.
16	**DATA ENTRY Keys** Used to enter valid data entry depending on the field being edited.
17	**SHIFT, MODE KEY combination** Accesses a pull-down menu for display option selection.

C-2   CONNECTORS

C-2-1   2975 FRONT PANEL

1	**TEST** Future Use: Custom Radio Interfacing
2	**SCOPE CH1 and CH2** Inputs to the Oscilloscope ⚠ 100V maximum input! ⚡ Use caution when probing live circuits! DO NOT connect to AC line!
3	**DVM** Input to the Digital Voltmeter ⚠ 100V maximum input! ⚡ Use caution when probing live circuits! DO NOT connect to AC line!
4	**MIC** Input to the 2975 Audio System
5	**AUDIO I/O** Input and Output to the 2975 Audio System
6	**GEN** RF Generator Output. LED indicates port selected for generator output. ⚠ DO NOT transmit RF into this connector!
7	**T/R** RF Generator Output and RF Receiver Input (Full Duplex). LED indicates T/R Connector selected for generator output. ⚠ DO NOT exceed 50 W continuous RF power! ⚡ Use caution when connecting high power transmitters!

8	**ANT** RF Receiver Input (50 W for 30 seconds maximum) ⚠ DO NOT transmit RF into this connector!
9	**FLOPPY DISK DRIVE** 3½" floppy disk drive for copying data and program files to/from the 2975 system.
10	**LCD** Liquid Crystal Display for user displays and feedback

C-2-2   2975 REAR PANEL

(Later versions only)

1	**MAIN POWER SWITCH**
	System AC Input
2	**BATTERY SENSE**
	Future Use
3	**PARALLEL**
	Future Use
4	**RS-232**
	Serial I/O Connection with the IFR 2975
5	**VIDEO**
	External VGA Monitor Connector
6	**MOUSE**
	Control connection designed for PS-2 compatible mouse. Mouse controls cursor for point and click control of screen items in addition to front panel keyboard operation.
7	**KEYBOARD**
	Control connection designed for PS-2 compatible keyboard. Keyboard controls function of unit in addition to front panel keyboard operation.
8	**USB**
	Future Use: Serial connection with the IFR 2975
9	**ETHERNET**
	Network connection with the IFR 2975
10	**SYNC**
	Future Use

11	**EXT TRIG** External Oscilloscope Trigger	
12	**EXTERNAL RF I/O** 10 MHz Timebase In and Out	
13	**GPIB** Future Use	
14	**A** Future Use	
15	**B** Future Use	
16	**TYPE I INTERFACE** Not Used	
17	**SPECTRUM ANALYZER IF** Intermediate Frequency Output (10.7 MHz)	
18	**SPECTRUM ANALYZER VIDEO** Video Output	