



Figure 3 - Auxiliary Compartment

C. Auxiliary Compartment

2.13 A hinged panel covers a group of auxiliary controls which are used for special tests and for calibration of the set.

2.14 Two of these controls marked SIGNAL CAL. are used with special test cards for adjusting the REGULATION and AMPLITUDE of the signal voltage.

2.15 A push button marked CATH ACT is used for making cathode activity tests. When this button is pressed the filament voltage is reduced 10 percent. Results of the test are read as a change in reading on the numerical meter scale. As a warning to the operator, when the CATH ACT button is pressed, a lamp on the main panel is lighted.

2.16 A push button and two potentiometers are used for balancing the Gm bridge circuit under actual tube operating current for any Gm test. When the button is pressed it removes the grid signal and allows a zero balance to be made with one potentiometer or the other depending on whether the tube under test is passing HI or LO plate current. A lamp on the main panel is lighted when this adjustment is being made.

2.17 A button labeled SENSITIVE GRID SHORTS is used for checking grid to cathode shorts at a sensitivity much higher than the normal tests. The results of this test are observed on the short test lamps.

2.18 Certain special tests require the use of a continuously adjustable auxiliary power supply. By pressing the PUSH TO READ button the meter is used to monitor the voltage of the auxiliary power supply. This voltage may be adjusted by the use of the potentiometer labelled AUX B+ ADJ.