Step 3. Push the grid current button on the function switch so that the multimeter is reading grid current. Increase the drive from the exciter until the grid current is about:

3K Classic Mark II.....200 ma
3K Classic X Mark II.....250 ma
5K Classic.....400 ma

Step 4. If plate current is now less than 600 ma - - increase the LOAD control slightly. If plate current is now more than 600 ma - - decrease the LOAD control slightly.

Step 5. Adjust the TUNE control to dip the plate current (minimum plate current reading).

Step 6. Increase the drive from the exciter until the grid current returns to the level specified above.

Repeat steps 4, 5, and 6 until the following correct operating parameters are reached:

| | Grid Current | Plate Current |
|---|---|---|
| 3K Classic Mark II | 200 ma | 600 ma |
| 3K Classic X Mark II | 250 ma | 600 ma |
| 5K Classic | 400 ma | 800 ma |

CAUTION: Do not drive the amplifier for more than 10 seconds when it is not tuned to resonance. Ten seconds tune and 10 seconds off is a good operating habit when tuning up.

Step 7. When the amplifier has been tuned to resonance, note the dial calibration readings so that you can return to that frequency again without retuning. As long as the tube is in good condition and your load stays constant, the dial readings should stay constant for a specific frequency.

Step 8. Switch the exciter to SSB operation and speak into the microphone to drive the amplifier. The meter readings for voice peaks will be approximately 1/2 of the meter readings during tuneup. Output readings will not follow the speech pattern.

## SECTION 5.3 CW OPERATION

Follow the tuning procedures above for SSB with the SSB/CW switch in the CW position. The meter readings will be about 60% of the values of the SSB readings.

## SECTION 5.4 ALC ADJUSTMENT

The amplifier is shipped with the ALC ADJUST control on the pack panel fully counterclockwise (off). If the ALC feedback circuit is used, the adjustment must be made only once, unless a new exciter is used. After the ALC adjustment is made, use the locknut on the potentiometer shaft to lock the control into place.