2. Set SELECTIVITY switch to "2.7" position.

3. Peak PRESELECTOR control for maximum signal. Each of the bands is calibrated on the PRESELECTOR scale as a guide.

4. On Swan 600-R Custom models, set the I.F. Noise Blanker to "MED" on the lower bands, and "MAX" on the higher bands, to effectively suppress impulse type noise.

5. On Swan 600-R Custom models, to suppress a heterodyne tone that is close to your operating frequency, set the NOTCHER-PEAKER to the NOTCH position, and rotate the A.F. TUNE control until the heterodyne tone is nulled out.

Precise tuning of a single sideband signal is very important. Do not be satisfied to merely tune until the voice can be understood, but take the extra care of setting the dial to the exact spot where the voice sounds natural. Above all, avoid the habit of tuning so that the voice is pitched higher than normal.

AM RECEPTION:

To receive AM transmissions:

1. Set SIDEBAND SELECTOR switch to AM position.

2. Set SELECTIVITY switch to "2.7" position, or 6.0 position if a 6.0 kc AM filter is installed.

CW RECEPTION:

To receive CW transmissions:

1. Set SIDEBAND SELECTOR switch to NORMAL sideband position.

2. Set SELECTIVITY switch to "2.7" position, or 0.6 kc position if the narrow band 600 cycle CW filter is installed.

3. On Swan 600-R Custom models, set the NOTCHER-PEAKER control to the PEAK position. Rotate the A.F. TUNE control for maximum signal. Adjust the SELECTIVITY control for desired bandwidth. Normally this control is set at 12 o'clock.

FREQUENCY SHIFT KEYING (FSK) – SLOW SCAN TELEVISION (SSTV)

There are no modifications required to operate the Swan Model 600-R/600-R Custom receivers with FSK or SSTV. The headphone jack on the 600-S/600-SP speakers can be utilized for FSK/SSTV input. Additionally, if desired, the speaker jack located on the rear panel of the receivers can also be used for FSK/SSTV input.

FREQUENCY CALIBRATION:

To calibrate the Main Tuning Dial:

1. Rotate MAIN TUNING control clockwise until the 0 on the large dial is aligned with the red indicator line.

2. Unlock the DIAL SET control by turning the locking ring counter clockwise.

3. Rotate the DIAL SET control until the 0 on the white scale, or 28.5 on the green scale, is approximately aligned with the red indicator line

4. Set the 600-R VFO CONTROL switch to the SPLIT or XCV-R position.

5. Set the PRESELECTOR control to the proper band area.

6. Set the FUNCTION SWITCH on the 600-R to the Calibrate, 100 kc position.

7. Zero-beat the 100 kc calibration marker using the DIAL SET control.

8. The 600-R Main Tuning Dial is now calibrated for normal sideband, phone band coverage. The 0 to 200 dial scale will now tune from 3.8 to 4.0 mc., 7.1 to 7.3 mc., 14.2 to 14.4 mc., and 21.3 to 21.5 mc. respectively.

   The dial reading is added to the bandswitch setting. For example: In the 3.8 position, a dial reading of 100 indicates a frequency of 3.9 mc., or 3,900 kc.

   In the 10M position, the reading obtained from the green 0 to 500 scale is added to the frequency that the DIAL SET indicator line is aligned with. For example: when the DIAL SET is aligned on 28.5, the MAIN TUNING will tune 28.5 to 29.0 mc. Thus, if the dial reads 200, the indicated frequency is 28.7 mc., or 28,700 kc.

TUNING HIGHER OR LOWER FREQUENCY SEGMENTS:

Higher or lower frequency coverage is obtained by moving the DIAL SET control in 100 kc. increments. You will note that the DIAL SET scale is calibrated from -400 to +400. By using the 100 kc. calibrator built into the 600-R, the tuning range may be moved up or down very easily. (See Frequency Coverage Chart.)

For Example: If it is desired to operate from 14.0 to 14.2:

1. Set Main Tuning Dial to 0.