

TUNING SIGNALS

The BAND SELECTOR, MAIN TUNING, and BANDSPREAD controls are used to tune your receiver to any frequency within the frequency range. Whenever the receiver is tuned with the MAIN TUNING control, the BANDSPREAD control should be adjusted until the left-hand slide indicator is over the mark labelled SET on the logging scale. Ordinarily, the BANDSPREAD control is not used when tuning the standard broadcast band (.54-1.6), and should be

left at the SET point. When tuning all other bands, the main tuning control is ordinarily adjusted so that the pointer is set to a specific spot on the righthand scale, and then small portions of the main band, such as the amateur radio bands, are tuned with the BANDSPREAD control and pointer on the left-hand scale. The necessary steps to tune any of the amateur radio bands or the short-wave broadcast bands with the BANDSPREAD control are explained in the following paragraphs.

STEPS TO TUNE THE 5 AMATEUR RADIO BANDS

Refer to the accompanying diagram. Each of the amateur radio bands may be tuned in the same way by performing the following steps:

STEP 1. Set the BAND SELECTOR control to the position corresponding to the general coverage band containing the desired amateur radio band:

BAND SELECTOR POSITION	AMATEUR RADIO BAND
1.9 — 5.7	80 METER BAND
5.7 — 13.0	40 METER BAND
13.0 — 20.0	20 METER BAND
20.0 — 25.0	15 METER BAND
25.0 — 30	10 METER BAND

STEP 2. Adjust the MAIN TUNING control until the right-hand pointer is positioned directly over the circle containing the number (80,

40, 20, 15, or 10) of the desired band. The pointer should approximately "cut through" the middle of the circle.

NOTE: For an exact setting of the Main Tuning pointer, set the BANDSPREAD pointer to indicate the frequency of a known signal within the band (or to any 100 kc. signal, when the crystal calibrator is used). Then adjust the MAIN TUNING control carefully until the known signal is exactly tuned in. (See STEP 3 below).

STEP 3. After adjusting the BAND SELECTOR and MAIN TUNING controls, signals in the amateur radio band are tuned by rotating the BANDSPREAD control. The left-hand pointer indicates the actual frequency tuned on the appropriate scale.

STEPS TO TUNE THE SHORT-WAVE BROADCAST BANDS

Each of the short-wave broadcast bands may be tuned in the same way by performing the following steps:

STEP 1. Set the BAND SELECTOR control to the position corresponding to the general coverage band containing the desired short-wave broadcast band:

BAND SELECTOR POSITION	SHORT-WAVE BROADCAST BANDS
5.7 — 13.0	49 METERS, 31 METERS or 25 METERS
13 — 20.0	19 METERS or 16 METERS
20 — 25.0	13 METERS

STEP 2. Adjust the MAIN TUNING control until the right hand pointer is positioned directly over the right-hand edge of the heavy stripe indicating the desired short-wave band.

STEP 3. After adjusting the BAND SELECTOR and MAIN TUNING controls, stations in the SHORT-WAVE BROADCAST band are tuned by rotating the BANDSPREAD control slowly as the left-hand pointer moves across its range. Disregard the amateur radio band calibrations while tuning the short-wave broadcast bands. The location of various stations heard can be noted, if desired, by reference to the 0-100 logging scale beneath the amateur band calibration scales. Do not touch the MAIN TUNING control again until you are ready to tune to another band. While tuning the short-wave broadcast bands, the SENSITIVITY control should be left in PHONE position (full clockwise past the click). When a station is heard, always rotate the Antenna control until the station is loudest and is heard most clearly.