

- (c) Re-adjust TUNE and LOAD controls until the meter reads at the lower edge of the red SB square, always adjusting the TUNE control for MINIMUM meter reading as the last step.
- (d) Plug key into keyjack on the rear. Let FUNCTION switch remain in the AM position -- this reduces the screen voltage to the final amplifier and permits operation at reduced Novice power, 75 watts.

5-10 - CAP, MARS, and OTHER OUT-OF-HAM-BAND OPERATION: The SB-175 will provide complete frequency coverage between 3.500 and 10.000 megacycles. Between 5.300 and 6.500 mc., a minor change in the pi-network may be needed, or an external antenna tuner may be used, as described below. The following table gives approximate dial settings for various frequencies in the 3.5 to 10 megacycle range, when the antenna SWR is 1.0 to 1 fed with 50 or 52 ohm coaxial cable.

FREQUENCY		BANDSWITCH	GRID	TUNE	LOAD
3.5	Mc.	80	low end 80	2.1	1.9
3.9	"	80	center 80-40	3.0	2.9
4.3	"	80	40	3.5	3.5
5.3	"	80	20	5.0	5.5
5.3	"	*	20	2.7	1.2
5.75	"	*	on 20-15 dash	3.1	2.1
6.0	"	*	15	3.2	2.8
6.5	"	*	15	4.0	3.2
6.5	"	40	low end 80	4.0	3.2
6.8	"	40	80	4.2	3.5
7.0	"	40	center 80-40	4.3	3.5
8.0	"	40	40	5.1	4.5
9.0	"	40	20	5.5	5.5

*In the frequency range between approximately 5.300 and 6.500 megacycles, the grid tuning should be operated in the 80 meter position and the output pi-network should be in the 40 meter position. This may be accomplished in either of two ways,

- (a) The 80 meter portion of the pi-network coil may be jumpered out at the plate bandswitch by connecting terminals 1 and 2 together either with a temporary clip, or, if no operation