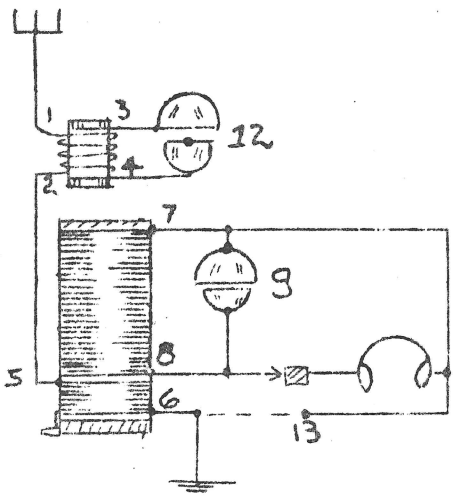
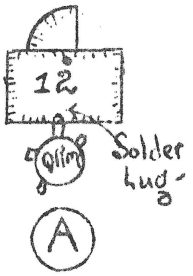
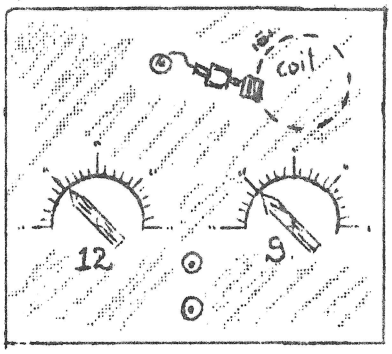
MRL N° 25 - SELECTIVE CRYSTAL SET. DP-67







PANEL LAYOUT. Scale ¼"-1".

P-A-R-T-S L-I-S-T

1 Compo. panel 1/8" x 7" x 8".
1 #25 coil (MRL 75¢)
1 Crystal stand
1 MRL Steel galena crystal (or) MRL Fixed Iron pyrites.
2 Phone tip jacks.
2 Bar knobs & scales (or dials).
1 .0004 var. cond.(9) or .00035 or .0005 var. condenser.
1 MRL QRM Coil.
1 .0004 (or .00035) var.cond.(12)
2 Binding posts for A-G (rear).

IF YOU MAKE COILS.

1 MRL 2XM form (or 2" dia. x 4½" long) 50 ft. #22 DCC wire.

Q-R-M Coil:

100 Ts #32 enamel wire (3-4) on 1" form 1½" long.
Over this, space-wind 15 Ts #24 DCC or 22 DCC and bring out to (1-2).

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This is a nice little 2-dial crystal set. By means of the QRM Coil you may cut out any interfering station that bothers the other stations. Simply tune set to this interfering station. Then, tune QRM Cond.(12) around till the station goes out - or as far out as possible. Leave the cond.(12) tuned to this station all the time, while you tune in other stations with Cond.(9).

COIL: On 2XM form (celluloid) - wind (7-8) of 90 Ts. #22 DCC wire. Bring out terminal (8) thru loop of tape and secure ends under adjacent turns. Next to this start winding (5-6) of 10 or 15 Ts. #22 DCC and bring out at (6). We prefer 15 Ts to 10 as it gives more volume. If you have any trouble with stations you can separate this winding (5-6) farther away from (7-8). Also try shorting lead across from (6) to (13). This gives more volume, but less selectivity. We are giving you these different stunts so you can adapt it to your particular location.

QRM COIL: Data is given above under this caption.

Drill panel - using scale as given. Use flathead screws for condensers so dials won't rub. You can use Binding posts instead of phone tip jacks if desired. We prefer to mount one lug(4) of QRM coil onto chassis of variable cond.(12). This makes one of the connections to the frame as well as supporting the coil. It is not necessary to mount the QRM at right angles to other coil unless you want to. Mount large coil at right angles to panel at upper right side in back. This keeps condensers, etc. out of the coil field, which increases efficiency.

MRL Steel Galena is best, altho you can use a MRL Fixed Iron Pyrites if you choose. Wire the parts up with 7/26 tinned antenna wire for best efficiency. Always use lock washers under lugs to assure you of a tight-fitting joint that will not jar loose. Solder all joints well.

This set is efficient in the country as well as city. If you want more vol. wind (5-6) over (7-8). MODERN RADIO LABORATORIES.