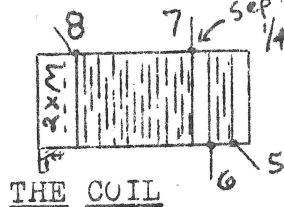
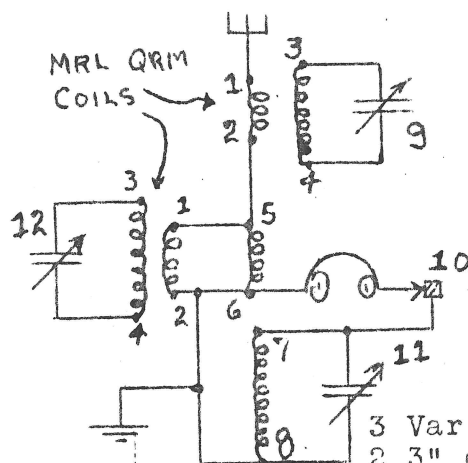


MRL #30-DX CRYSTAL SET

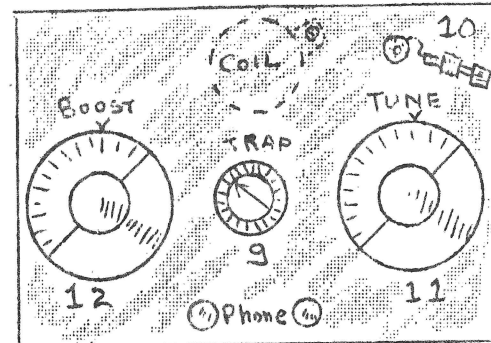
D. P. No 46
(From BP #25)



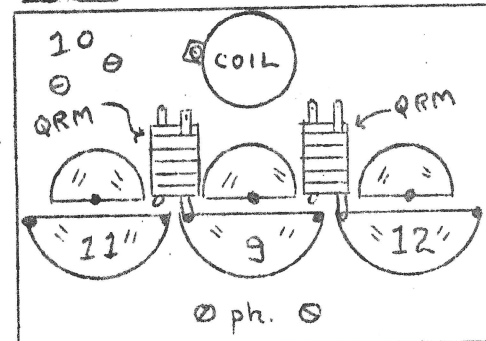
LIST OF PARTS

- 3 Var. cond. 0005-or-.00035
2 3" dials 1 Knob
1 MRL #30 Cell. coil
2 MRL QRM Coils (1-2-3-4)
1 Compo. panel 3/16" x 7" x 10" 4 B. Posts
1 MRL Steel Galena Xtal & c/w 1 Xtal stand

PARTS FOR COIL (if you make it):
100 ft. #22 DCC wire 1 MRL 2XM Cell. form
with bottle of cement (2" x 4 1/2" long)



PANEL: Front View of parts



PANEL: Rear view 1/4"-1"

A real selective, 3-condenser set. Many changes from the original cir- giving it better selectivity, etc. Neat layout of panel is shown - and arranged for ease in operation. Set has plenty of volume, and will let you listen to the weak as well as powerful stations near you. Due to it's close coupling to aerial, it should make a fine DX set - with lots of good reports.

COIL: Use MRL 2XM Celluloid form, and from end with small ring, wind 8 Ts #22 DCC (5-6). Secure ends with tape run to 2nd turn. Then, over 1/4" wind (7-8) of 75 Ts #22 DCC and secure ends. When wound, paint edges with MRL Light coil cement, which comes with the 2XM form.

ASSEMBLY: Arrange condensers in a line across panel, using approx. measurements on drawing (1/4"-1"). Put coil above center cond. and phones below. Arrange Xtal stand conveniently. Put the set in some kind of box or cabinet to keep it upright and protect it from dust. Solder one of the leads of QRM Coils (either 3-4) onto condenser frame or lug to support them. The other 3 leads will give them additional support. If possible, use busbar, or, otherwise, heavy hook-up wire. Use MRL Steel Galena if you want distance. However, for local, you may use MRL Fixed Iron Pyrites. The QRM Coils are marked (1-2-3-4), and come with BP of 8 uses.

OPERATION: If you have a bad station near you, set the center cond. (9) to zero. Then, tune (11-12) till it comes in loud. Then, bring the (9) cond. over till your interfering stn. goes out, or nearly out. Leave (9) cond. set on this station all the time. Then go ahead with other cond. (11-12) and tune other stations in. In case you are working on another end of the dial and you find another bothersome stn. - "trap it out" with your (9) cond. Any size aerial may be used with this set. Use a good ground. Use a good pair of phones - 20,000 ohms if possible, if not, 2000 ohms Okeh. The best of this set is the lack of switches - that is, the stations always come in order on the dial - and at the same place.

Please report any exceptional results on this set, so we can pass it along. When making inquiries, please send stamped envelope. T-H-A-N-K-S See "RADIO BUILDER" for latest prices, or write us direct.

Write us, if you desire Data Prints or Blueprints on certain circuits. MODERN RADIO LABORATORIES.

"Yours for MORE and BETTER distance reports."