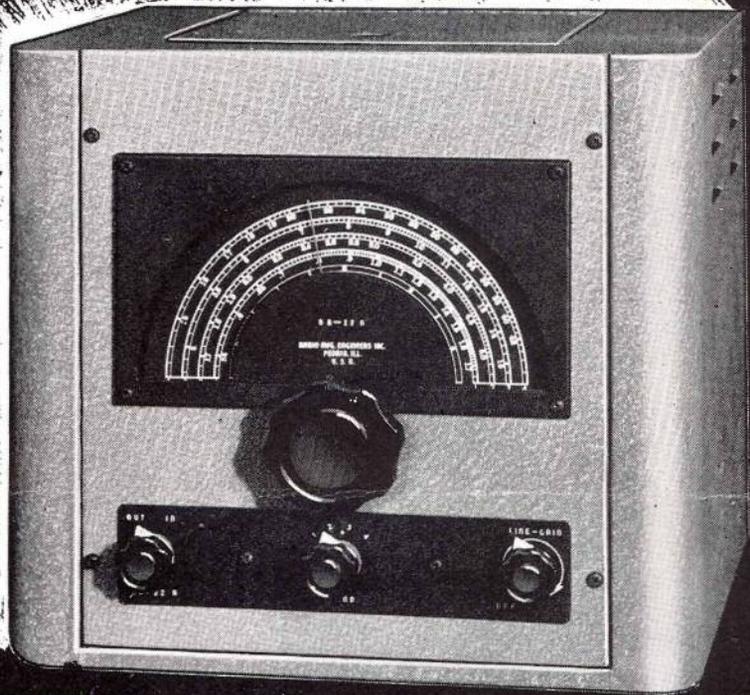




The DB 22A Preselector

Here's the new DB22A completely re-designed for greater efficiency and higher signal to noise ratio. It uses two of the new efficient 6BA6 miniature tubes. The DB22A provides tremendous increase in both gain and selectivity when used with a good communications receiver. Average over-all gain is 30 db achieved throughout the tuning range of .54 to 44 Mc. Image ratio is phenomenal — better than 50 DB with a communications receiver having a single stage of RF. The DB22A is entirely self contained — entirely in a class by itself!



The DB22A delivers true preselection — optimum gain with best possible signal to noise ratio and image rejection. Frequency coverage is from .54 to 44 Mc, coinciding with the range incorporated in many communications receivers. The DB22A has its own power supply. Connect the unit to your receiver just like an antenna — no wiring — no plug in coils are required.

When the original preselector was announced it was described as a "signal intensifier" and "image rejector". The engineers at RME realized then that under certain conditions one stage or two stages of RF amplification are not enough to maintain the necessary standard of signal to noise and signal to image ratio. Most communications receivers have but one stage of RF amplification which is insufficient for good image rejection on the high frequencies. The preselector, as designed by RME, overcomes the image problem.

During the past years these facts have been proved again and again — with the result that many thousands of pre-selectors are now in use all over the world.

The new model DB22A Preselector, which has been completely re-engineered, has many design refinements and is housed in a new streamlined cabinet. The two-tone gray crackle of the cabinet matches the finish of current RME receivers.

A large 7" dial scale is used, with dull black background and white numerals, indirectly illuminated, pointer operated through planetary drive mechanism, assuring ease of control operation and plenty of drive ratio.

Built and designed for optimum RF amplification, signals take on a new significance when passing through this unit. It provides true preselection with best possible signal to noise ratio obtainable. The DB22A Preselector is a compact, efficient unit, designed as a straight radio frequency amplifier with a specified range of input and output impedances.

The DB 22A

Preselector

MATCHED CIRCUITS

The input circuit is of the typical matched doublet type plus a single wire to ground arrangement, permitting high gain matching to any antenna. The output circuit is of low impedance, 150 to 350 ohms, equipped with an output plug and line for direct connection to the input circuit of your receiver, i.e. the antenna posts. With this complete matching, the use of the Preselector between the antenna and receiver causes no mismatch in coupling. The output of the DB22A is fed to the receiver by a shielded connecting link. An antenna change-over switch, incorporated on the front panel, allows the receiving antenna to be coupled to the receiver directly when the Preselector is not in use.

IMAGE REJECTION

Images, especially on ten meters, but also on twenty meters, have for a long time prevented 100 per cent QSO's. Not so with the DB22A. The signal to image ratio obtained by using the DB22A with a good communications receiver

employing one stage of RF amplification is greater than 50 db at 28 mc. This means that for practical operating purposes, images on ten meters are eliminated.

INDIVIDUAL POWER SUPPLY

The DB22A has its own power supply, not depending on the power from your receiver. A 6 X 4 rectifier is used. Two 6BA6 miniatures are employed. Being remarkably stable, the Preselector provides an average over-all gain of 30 db throughout its range — a tremendous increase in both gain and selectivity!

OTHER FEATURES

The DB22A incorporates three tuned circuits using components of the highest quality, mechanically and electrically.

The range of the DB22A is covered in four bands. A four position switch operating in conjunction with the four numbered bands on the dial scale provides easy frequency selection.

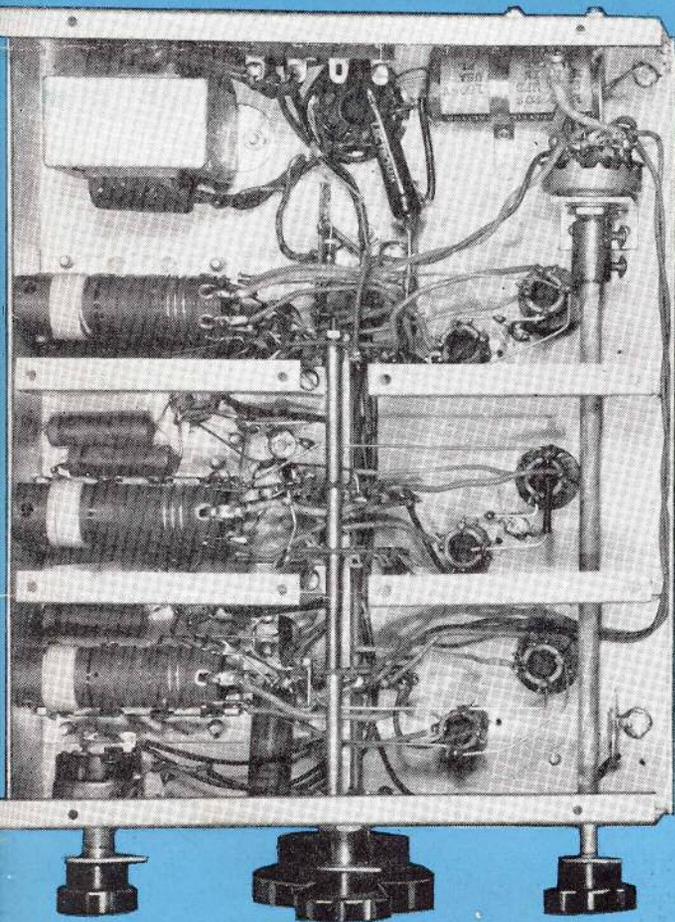
The unit has its own gain control in addition to the regular four band switch and finger-tip control planetary tuning mechanism.

The cabinet is finished in attractive gray crackle finish and matches current RME receiver cabinets in every detail. The entire unit is rigidly built and tested to exacting RME specifications.

If you wish to boost your signal strength or eliminate the image response of your present reception, the DB22A is the perfect solution. Your regular RME distributor will be glad to give you further details.

Model DB22A Preselector, Standard Model, CODE BONET, in cabinet to match RME 45 Receiver in appearance. Dimensions: 11" high, 12" wide, 11" deep. Amateur Net Price \$66.00.

Model DB22A - Type S Preselector, CODE CLEAR, in cabinet to match RME 84 Receiver in appearance. Dimensions: 9 1/8" high, 10 1/4" wide, 10 1/4" deep. Amateur Net Price \$66.00.



BOTTOM VIEW OF DB22A



RME

FINE COMMUNICATIONS EQUIPMENT
RADIO MFG. ENGINEERS, INC.
Piquette 6, Illinois U. S. A.

RME
SINCE
1933

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