

# a no-cost ACOUSTIC CABINET for TRANSISTOR PORTABLES

By Sal Stella

**M**OST transistor radios have a somewhat tinny sound because of their small loudspeakers and lack of baffle.

You can remedy the situation for your own small pocket portable by building a cost-free cabinet that substantially improves both the tone quality and the sound projecting ability of your little radio. No modifications are required on the radio. It is simply slid into the cabinet so that the speaker area is centered in the box. As can be seen from the photos the tuning and volume controls are not blocked.

The model shown is made out of corrugated cardboard. Cut out the pattern and make the fold lines as shown. Pre-bend the corrugated cardboard along the fold lines for easier handling. Then glue the tabs to the tab anchor areas, squaring up the box as you do so. Follow the sequence of numbers. First secure tab #1 to tab anchor #1, tab #2 to tab anchor #2, etc. Cut out the openings to fit your own radio at the suggested angle, making sure the bottom of the radio rests on the floor of the cabinet.

In the photo at right, the cabinet is actually being held upside down. For table-top use it's best to set up the cabinet so that the radio speaker faces slightly upward.

The cabinet may be made of  $\frac{1}{4}$ " plywood using the same dimensions.



