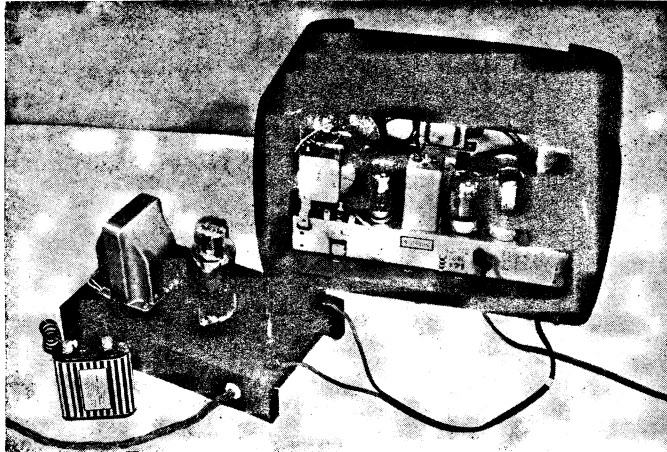


Suppressor Built from Junked Parts Reduces Man-Made Static



Left, the unit connected to a small AC-DC receiver. It may be used with almost any type of radio

A top view of the unit is shown in the first photo below. Few connections are necessary, as can be seen in second photo. Drawing shows how the static suppressor is hooked up to a receiver

OWNERS of sets ranging all the way from headphone "one-lungers" to 12-tube console models may find good use for this static suppressor. Easily attached across the output circuit, it will in most cases reduce severe man-made static by at least 50 percent. There is a slight loss of volume, but this can be overcome by turning the volume control.

The unit comprises a full-wave rectifier tube (such as the 6X5-GT/G or 50Z7-G), a push-pull output transformer, a 220-ohm line-cord resistor, a S.P.S.T. toggle or rotary switch, and a 4½-volt "C" battery. The secondary of the output transformer must have a high resistance. One of the old output transformers used with magnetic speakers will do admirably, and may be retrieved from the junk box. A class "B" interstage transformer might be tried, but make sure that the primary winding passes enough current. It is useless to attempt to use a transformer with an 8-ohm secondary.

Any kind of chassis, wood or metal, may be employed. The transformer, eight-prong tube socket, and switch are mounted on the top of the chassis. Drill ½" holes in the back for the line cord and the two leads to the "C" battery. The secondary leads of the output transformer (primary side if it is a class "B" interstage transformer) are connected to two plastic binding posts, which provide connections to the set.

Remove the radio chassis from the cabinet. Connections are then made to the plate of the last tube and the B+ lead. The leads from the unit to the radio chassis should not exceed 3' or 4'.

LIST OF PARTS

Chassis, metal or wood
Full-wave rectifier tube
6X5-GT/G or 50Z7-G
Eight-prong octal wafer socket
Output transformer (see text)

Small "C" battery, 4½ volts
Line-cord resistor, 220 ohms
Binding posts (2)
Rotary or toggle switch, S.P.S.T.

