HUM STOPPER

BLOCK DIAGRAM OF SYSTEM

output, less hum. Input uncontrolled to amplifier VIRTUAL EARTH containing hum tage etc. MIXER VARIABLE LEVEL PHASE SHIFT LIVE CONTROL AMPLIFIER 0-180 & 180-360 PHASE SHIFT CONTROLS

Hum can be removed from an audio signal to great effect by mixing an antiphase hum of equal level.

In the circuit below all the transistors can be cheap or surplus npn (low or high gain) types.

VR1 is adjusted with VR2 low (not off) until the hum is at a minimum, SW1 may have to be changed over, then the level VR2, is altered until the hum is removed.

