



obtained, as in the prototype, with a 1k (R9) resistor as shown in the diagram. The value of this resistor may be altered to suit a supply voltage other than 6 volts.

Output of the microphone amplifier can be made variable by connecting a 10k potentiometer/preset as shown.

**Lab Note.** Circuit's gain can be increased by reducing the value of R6 to 47 ohms or 22 ohms, depending on the input sensitivity of the main amplifier system. Increase in gain was also observed by using 3V supply and eliminating R9 altogether. The microphone should be housed in a small round enclosure.

VIVEK MEHRA