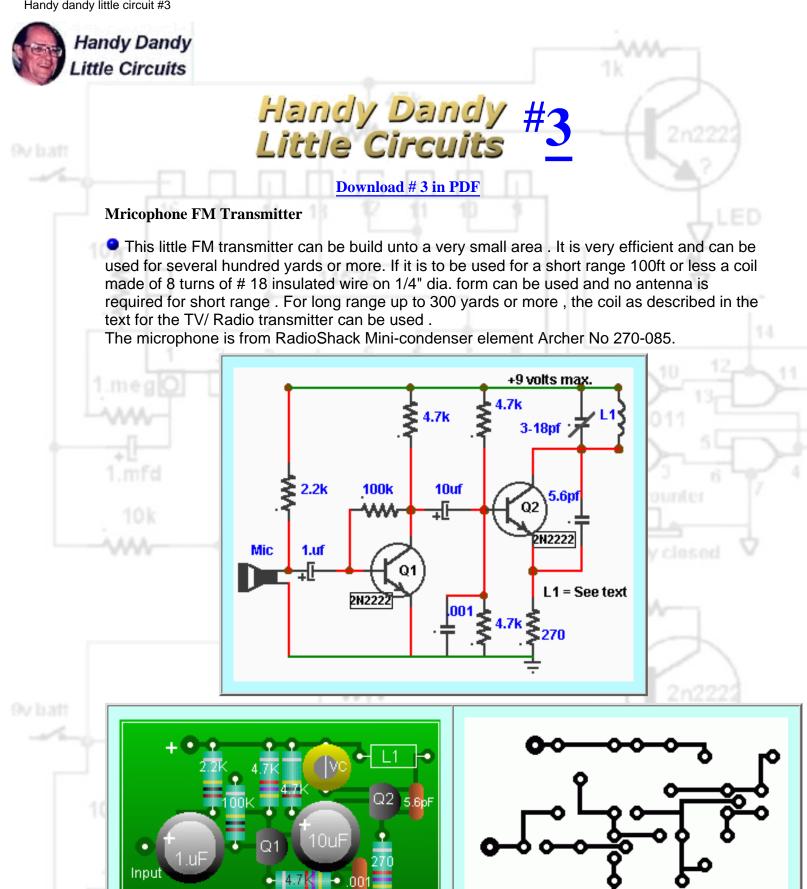
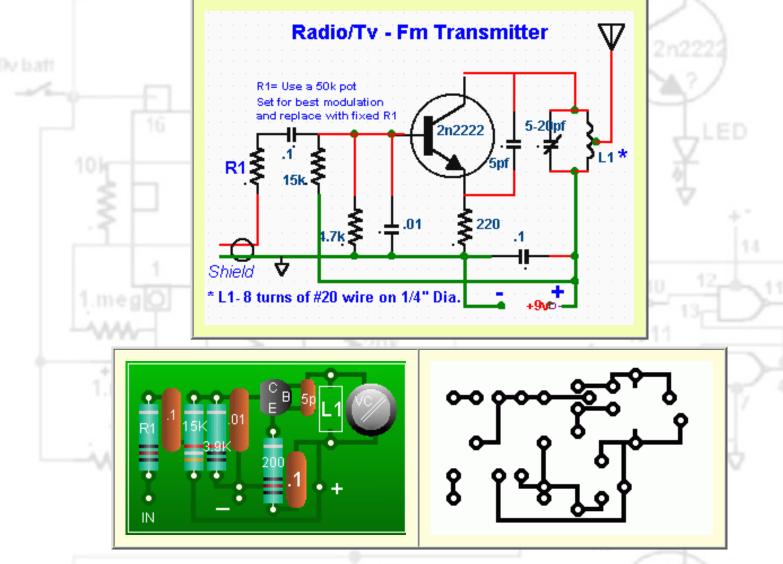
Handy dandy little circuit #3



Radio/TV FM Transmitter

• This transmitter was build and modified so that I could watch my TV late at night without fear of disturbing the neighbors. As my TV does not have a headphone output I had to use something to extract the signal from the audio side. It is plugged into one channel of the stereo output with an RCA adaptor plug. With the TV sound level reduced to a minimum an excellent signal is obtained with full audio range which can be listened to on small FM receiver tuned in at the lower band area or anywhere between 88 and 108MHz. The antenna is not required for short range transmission, i.e. less than a hundred feet but if needed an antenna can be added by stripping the coil wire insulation at two turns from the ground end and a short lenght of 12 to 18 inches of stiff wire is soldered.



## Setting-up and Tuning for Both Circuits .

Place the assembled circuit on a non conductive surface, it is important to keep hands and conductive material away from the coil. Connect a 9-volts battery in series with a multimeter or 0-10mA meter in series with the battery. Meter should read 5 to 10 mA. Slowly rotate the variable capacitor using a NON metallic screw driver such as fiber, plastic or even wood until the station being received by the FM radio at about 108MHz is blocked out or disappears.

It may be difficult to spot the signal as this adjustment is very touchy, note also that several spots in the adjustment may be found to produce a signal. Only two are valid, the rest being erroneous will be weak. Connect your input signal and adjust the 50K resistor for best signal reception then slowly readjust the FM receiver for strongest signal ot if you feel confident you try to readjust the capacitor for the exact spot chosen on the FM receiver.

