



## **CIRCUIT DESCRIPTION:**

In transmit mode the speaker is switched so that it is connected to the input of the audio amplifiers Q3 and Q4. The output of Q4 drives the transformer T2, which modulates the crystal controlled oscillator Q5. This oscillator is the transmitter. The antenna is transformer coupled to the oscillator. In the receiver Q1 and Q2 are the RF amplifier and detector stages. Q3 and Q4 become audio amplifiers of the receiver audio to drive the transformer T3 which is coupled to the speaker.

## **ANTENNA AND GROUND CICUITRY:**

This unit makes use of a external flexible 13 centimeter long antenna. The antenna is inductively coupled. The unit on the ground tract of the printed circuit board. No external ground is provided. Energy is supplied by a 9Volt Battery.