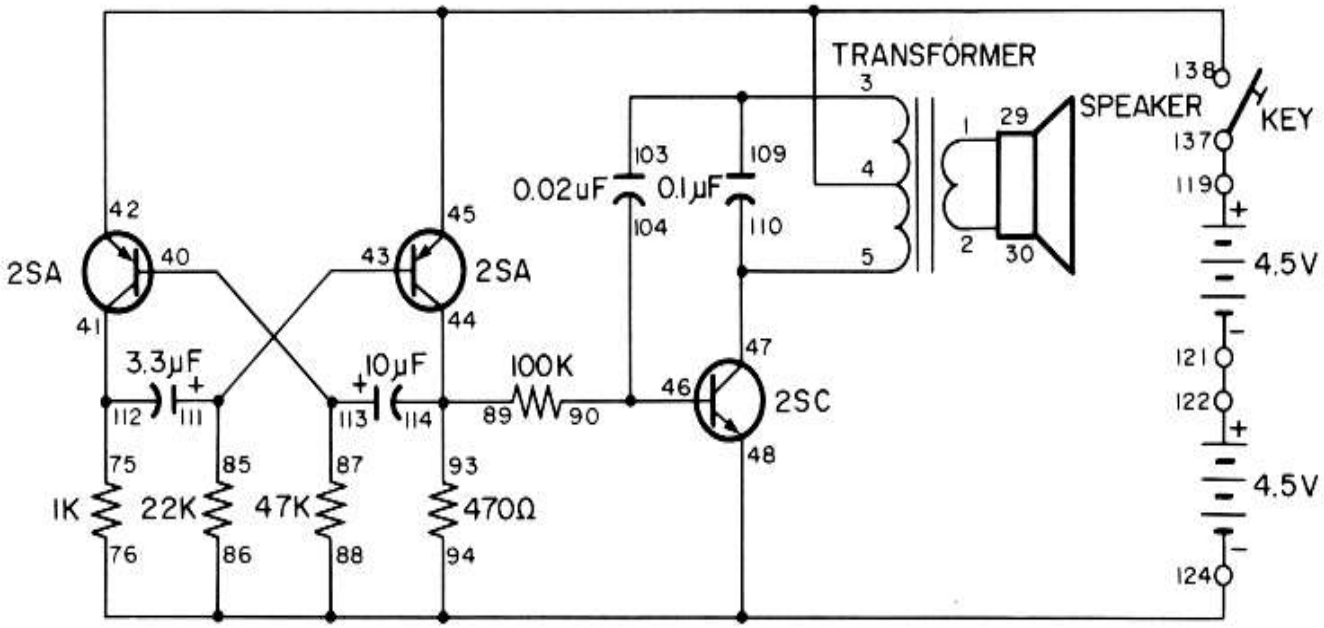
69. INTERMITTENT ALARM GENERATOR

Now we'll let one oscillator control another to make an effective alarm. In this project we have a multivibrator type oscillator controlling a pulse oscillator. You should recognize the multivibrator circuit on the left side of the schematic. The pulse oscillator's frequency is in the audible range (20 to 20K Hertz). The multivibrator controls the pulse oscillator by allowing current to flow to the transistor base.

Build the project and press the key to hear the alarm sound coming from the speaker. You hear the alarm sound turning on and off as the pulse oscillator turns on and off.

This intermittent sounding alarm is more effective than a continuous tone, because it is more noticeable. You can experiment with this project by varying the values of the 22K, 47K, and 100K ohm resistors, and the 0.02μF capacitor.



Wiring Sequence:

1-29, 2-30, 3-103-109, 4-42-45-138, 5-47-110, 40-113-87, 41-112-75, 43-111-85, 44-114-93-89, 46-104-90, 76-86-88-94-48-124, 119-137, 121-122.