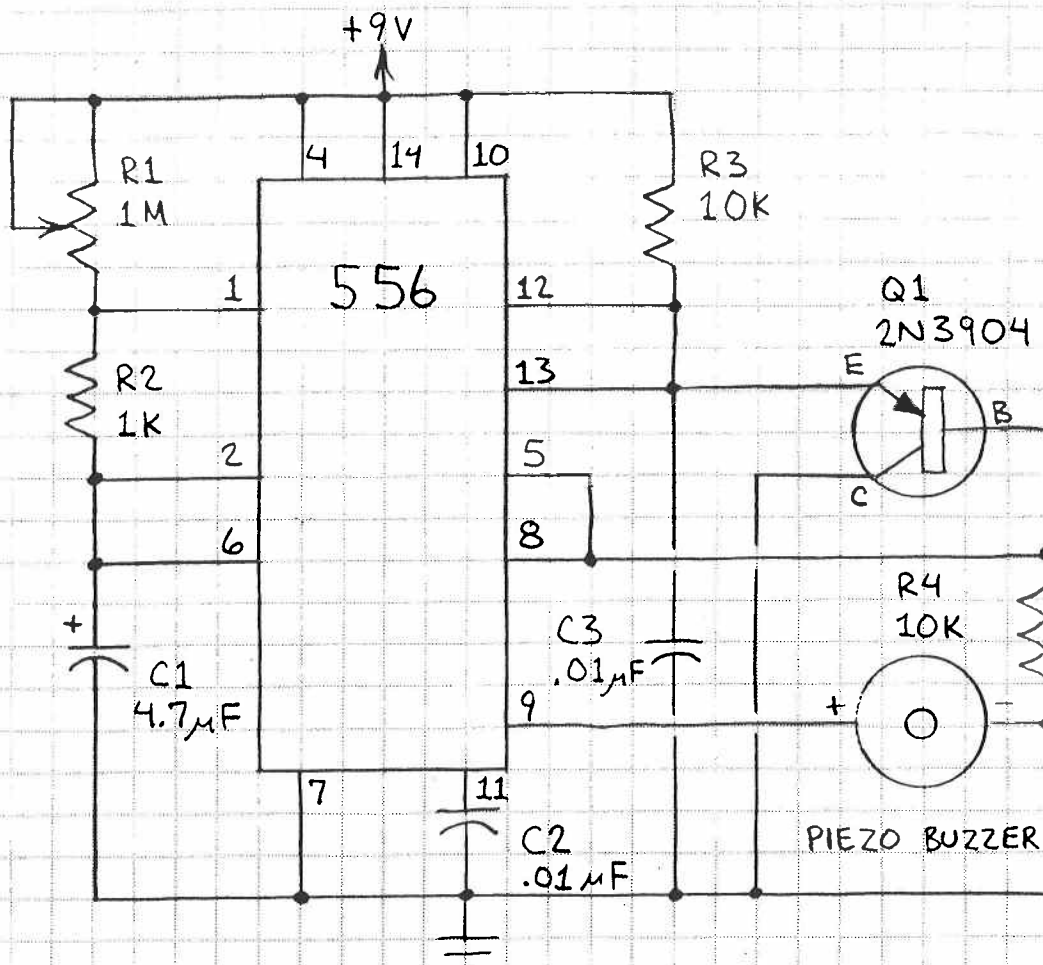


CHIRP GENERATOR



THIS CIRCUIT APPLIES BRIEF PULSES OF CURRENT TO A PIEZO BUZZER (RADIO SHACK 273-065 OR SIMILAR). THIS CAUSES THE BUZZER TO EMIT ATTENTION-GETTING CHIRPS. THE CIRCUIT MAKES A GOOD WARNING DEVICE.

R1 CONTROLS RATE OF CHIRPS. USE 100K FIXED RESISTOR FOR ABOUT 2-3 CHIRPS PER SECOND. C3 CONTROLS DURATION OF CHIRPS. FOR LONG DURATION PULSES (WHICH BECOME TONE BURSTS) INCREASE C3 TO $0.22 \mu\text{F}$ OR MORE. REDUCE VOLUME BY INSERTING $100 - 10,000 \Omega$ RESISTOR BETWEEN PIN 9 AND PIEZO BUZZER. TRY USING CDS PHOTORESISTOR FOR R1.