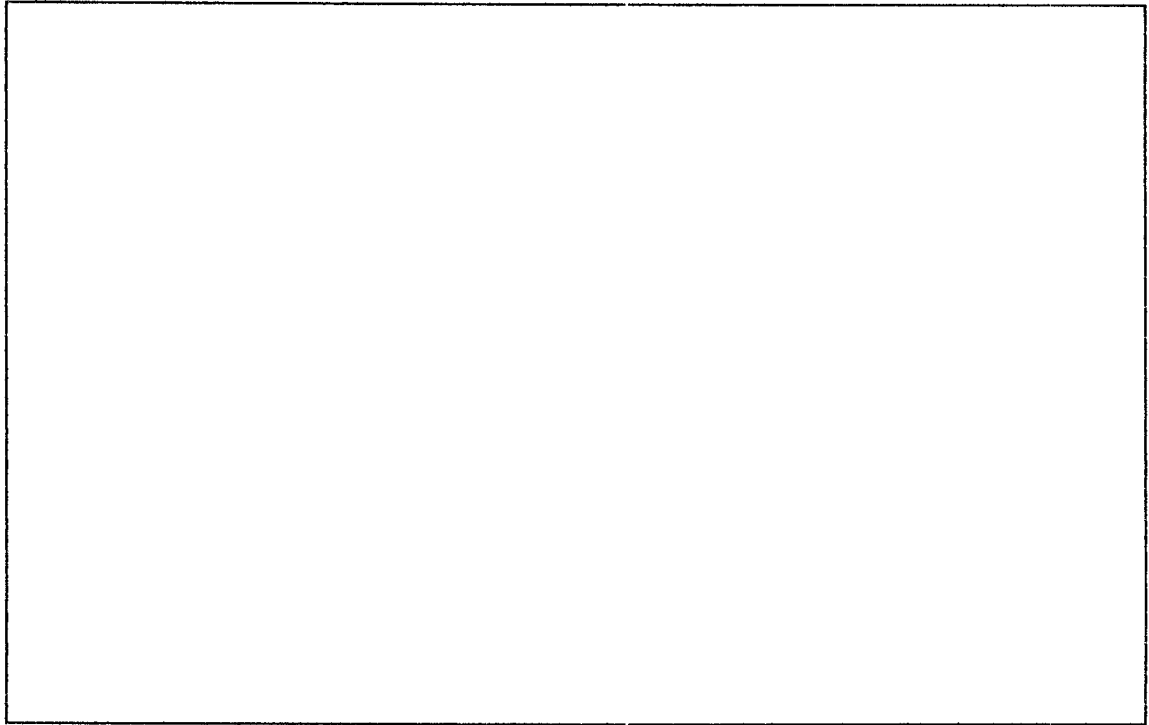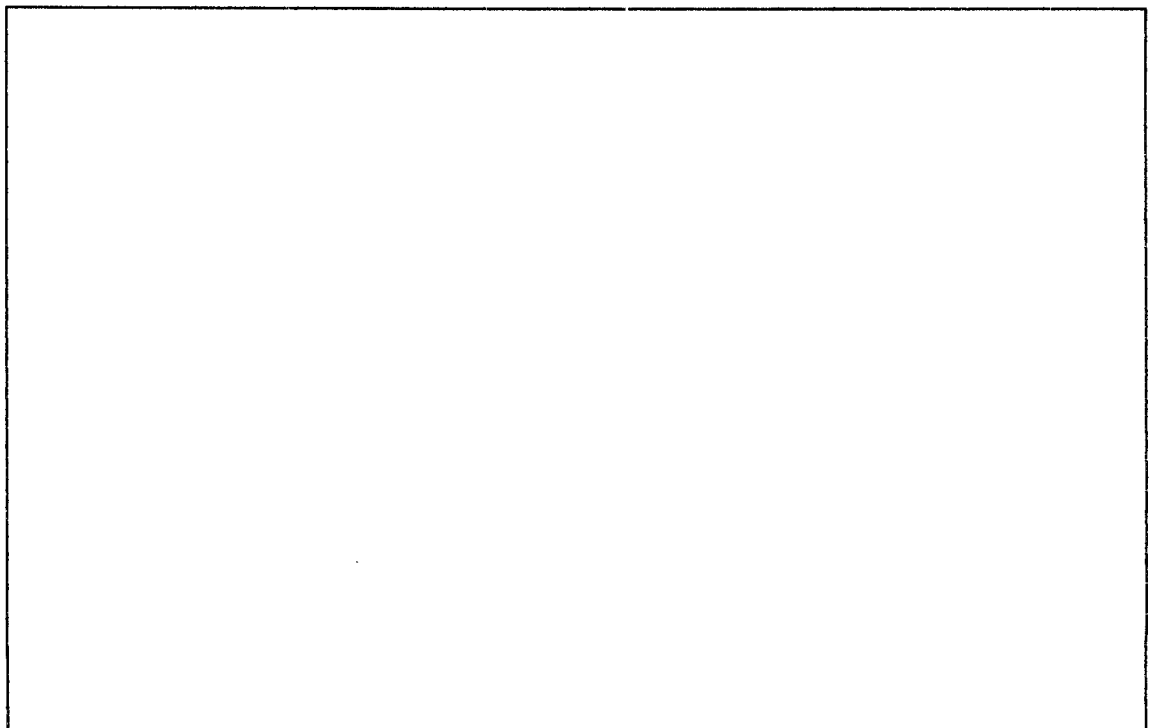Name_____

Basic Electronics Sign Project #4

1. On this sheet design a sign out of L. E. D.'s that not only flashes, but part of the sign must remain on while in operation. Show how they will be soldered together in parallel (second box). Remember "The foil side is opposite of the component side."

2. I will supply you with 30 red, yellow and green L. E. D.'s . You must use your 555 flasher circuit to power your sign.

3. You must fit your sign on a piece of 4"x6" Masonite.

DESIGN
Component
Side

Foil side

Parallel CIRCUIT
Show holes for L.E.D.'s remember space them 1/8"apart.

555 FLASHER

PROJECT #4

Materials List:

1 - 555 IC
1 - 8 pin IC socket
2 - LEDs
1 - 4.7KΩ
1 - 75KΩ

1 - 15Ω
1 - 10µF
1 - 9-Volt battery clip

NOTE:
The board size
is 1 1/2" x 2"

COMPONENT SIDE

FOIL SIDE

4.7KΩ   75KΩ

555

LED

LED

10µF

15Ω

FLASHING
LED.