

Table of Contents

Dedication	3
Acknowledgments	4
Repro Rights	5
Who Are You? And ... How to Use This Book	8
Lab Safety	14

<i>The Components</i>	17
<i>Bread Board</i>	24

The Projects

1 <i>Pocket Engine</i>	26
2 <i>Impromptu Cop Car</i>	29
3 <i>Theater Lighting</i>	32
4 <i>Jingle Lights</i>	35
5 <i>Burglar Alarm</i>	38
6 <i>Musical Line-Up</i>	42
7 <i>Finger Switch</i>	45
8 <i>Auditory Circuit</i>	48
9 <i>Photo Switch</i>	51
10 <i>Light Organ</i>	54
11 <i>Timing With Capacitance</i>	57
12 <i>Piezo Candle</i>	61
13 <i>Conductivity Tester</i>	64
14 <i>Electronic Rooster</i>	67
15 <i>Electron Hand Jive</i>	70
16 <i>Morse's Code Machine</i>	73
17 <i>Simple Telephone</i>	76
18 <i>Classic Crystal Radio</i>	79
19 <i>Transistor Radio</i>	82
20 <i>Flip-Flop Circuit</i>	86