

Table of Contents

Introduction	1
1. Half-Wave Power Supplies	5
2. Full-Wave Power Supplies	11
3. Full-Wave Bridge Power Supplies	16
4. JFET Amplifiers	21
5. BJT Amplifiers	32
6. Two-Stage (NPN and PNP) Common-Emitter Amplifier	42
7. NPN Emitter Follower	46
8. JFET Differential Amplifier	51
9. Push-Pull Amplifiers	57
10. Transistorized Wien-Bridge Oscillator	61
11. Colpitts Radio Frequency Oscillator	65
12. Measurement of Unknown Frequencies	72
13. Printed Circuit Boards	77
14. Astable Multivibrator	83
15. RC Differentiating Circuits	88
16. RC Integrating Circuits	95
17. Schmitt Trigger Circuits	99
18. Integrated Circuit Operational Amplifiers	105
19. Operational Amplifiers as Differentiators and Integrators	109
20. Waveform Generators	113
21. Audio Power Amplifier	117
22. The Hall Effect	120
23. Standing Waves On Twin-Lead Transmission Lines	126