

THE **RADIO** HANDBOOK

TABLE OF CONTENTS

Foreword	6
Chapter 1. Introduction to Amateur Radio	7
Chapter 2. Introductory Electricity and Fundamental Radio Theory	21
Chapter 3. Vacuum Tube Theory	60
Chapter 4. Radio Receiver Theory	80
Chapter 5. Radio Receiver Tube Characteristics	115
Chapter 6. Radio Receiver Construction	133
Chapter 7. Transmitter Theory	173
Chapter 8. Radiotelephony Theory	211
Chapter 9. Transmitting Tubes	239
Chapter 10. Transmitter Design	268
Chapter 11. Exciters and Low Powered Transmitters	279
Chapter 12. Medium and High Powered Amplifiers	305
Chapter 13. Speech and Modulation Equipment	314
Chapter 14. Power Supplies	336
Chapter 15. Transmitter Construction	360
Chapter 16. U.H.F. and Mobile Communication	379
Chapter 17. Antennas	411
Chapter 18. Test and Measuring Equipment	485
Chapter 19. Workshop Practice	521
Chapter 20. Radio Therapy	532
Chapter 21. Radio Mathematics and Calculations	537
Chapter 22. Amateur Radio Laws and Regulations	548

Appendix—Buyer's Guide—Index

Written by

THE EDITORS OF "RADI