

CONTENTS

Frontispiece:

HIRAM PERCY MAXIM MEMORIAL STATION, W1AW
THE AMATEUR — HIS CODE OF ETHICS

INTRODUCTION

Chapter 1	Story of Amateur Radio	9
Chapter 2	Getting Started	15

PRINCIPLES AND DESIGN

Chapter 3	Electrical and Radio Fundamentals	22
Chapter 4	Reception of Radio Signals	48
Chapter 5	Transmitter Design	71
Chapter 6	Modulation	88

CONSTRUCTION AND ADJUSTMENT

Chapter 7	Workshop Practice	104
Chapter 8	Construction of Receivers	109
Chapter 9	Tuning and Adjusting Receivers	128
Chapter 10	Construction of Transmitters	138
Chapter 11	Power Supply	174
Chapter 12	Modulation Equipment	191
Chapter 13	Complete Transmitters	202
Chapter 14	Transmitter Adjustment	210
Chapter 15	Keying and B.C.I. Elimination	221
Chapter 16	Adjustment of 'Phone Transmitters	232
Chapter 17	Measurements and Measuring Equipment	245
Chapter 18	Emergency and Portable	263
Chapter 19	Station Assembly	270
Chapter 20	Tube Characteristics and Miscellaneous Data	277

ANTENNAS

Chapter 21	Antenna Fundamentals	318
Chapter 22	R.F. Transmission Lines	325
Chapter 23	Long-Wire Antennas	339
Chapter 24	Multi-Element Directive Systems	348
Chapter 25	Antenna Construction	355

ULTRA-HIGH FREQUENCIES

Chapter 26	Introduction to U.H.F.	362
Chapter 27	U.H.F. Receiving Equipment	364
Chapter 28	Transmitters and Transceivers for U.H.F.	380
Chapter 29	Frequency Modulation	402
Chapter 30	Antennas for the U.H.F.	415

OPERATING AND TRAFFIC HANDLING

Chapter 31	Operating the Station	421
Chapter 32	Regulations	437
INDEX	545