



INTRODUCTION TO RADIO EQUIPMENT



NAVY TRAINING COURSES

NAVPERS 10172-A

CONTENTS

	CHAPTER	Page
What is electricity?	1	
CHAPTER 1		
Batteries	17	
CHAPTER 2		
Circuits	25	
CHAPTER 3		
Ohm's Law	33	
CHAPTER 4		
Magnetism	41	
CHAPTER 5		
Electromagnetism	51	
CHAPTER 6		
Generators	63	
CHAPTER 7		
Motors	79	
CHAPTER 8		
Induction	85	
CHAPTER 9		
Capacitors	99	
CHAPTER 10		
Resonance	109	
CHAPTER 11		

CONTENTS (Continued)

CHAPTER 12	
The vacuum tube	115
CHAPTER 13	
The triode	123
CHAPTER 14	
Tetrodes and pentodes	133
CHAPTER 15	
Vacuum-tube applications	141
CHAPTER 16	
Background to modern radio	149
CHAPTER 17	
Introduction to transmitters	155
CHAPTER 18	
Introduction to receivers	163
CHAPTER 19	
Remote-control systems	179
CHAPTER 20	
The antenna	189
CHAPTER 21	
Wave propagation	203
CHAPTER 22	
Navy transmitters	223
CHAPTER 23	
Navy receivers	245
Answers to quizzes	255
Index	263