

CONTENTS

CHAPTER		PAGE
	STANDARD SYMBOLS FOR ELECTRON-TUBE CIRCUITS	xiii
	ELECTRICAL GRAPHICAL SYMBOLS (ASA)	xiv
I	INTRODUCTION	1
II	ELECTRON EMISSION	19
III	VACUUM DIODES	39
IV	GRID-CONTROLLED VACUUM TUBES	55
V	ELECTRICAL CONDUCTION IN GASES	95
VI	GASEOUS AND VAPOR ELECTRON TUBES	110
VII	PHOTOELECTRICITY	158
VIII	CRYSTAL AND METALLIC RECTIFIERS	180
IX	ALTERNATING-CURRENT THEORY	196
X	COMPONENTS AND CIRCUITS FOR CONTROL	205
XI	PRINCIPLES OF CONTROL AND SERVOMECHANISMS	249
XII	RECTIFICATION AND INVERSION	268
XIII	HIGH-FREQUENCY HEATING	297
XIV	RESISTANCE WELDING	328
XV	ELECTROSTATIC PRECIPITATION	362
XVI	ELECTRONIC OPERATION OF DIRECT-CURRENT MOTORS	372
XVII	PHOTOELECTRIC CONTROL DEVICES	387
XVIII	ELECTRONIC REGULATORS	407
XIX	ELECTRONIC POWER CONTROLS	415
XX	AMPLIDYNE SERVOMECHANISMS	422
XXI	X-RAY APPLICATIONS	430
XXII	SPECIAL PHOTO APPLICATIONS	451
	VACUUM ELECTRONIC TUBES (Table)	472
	GAS-FILLED ELECTRONIC TUBES (Table)	473
	INDEX	475