

## CONTENTS

	PAGE
PREFACE .....	v
ACKNOWLEDGMENTS .....	viii
DEDICATION .....	ix
CHAPTER	PAGE
I. INTRODUCTION OF ELECTRICAL ACTION.....	4
II. INTRODUCTION TO THE ACTION OF ALTERNATING CURRENT	28
III. PRACTICAL ELECTRICAL CALCULATIONS.....	41
IV. ELECTRICAL APPARATUS COMPONENTS.....	58
V. LINE POWER SUPPLY CIRCUITS.....	99
VI. RECTIFIERS .....	109
VII. GENERATORS AND MOTORS.....	129
VIII. BATTERIES .....	163
IX. LENSES AND MIRRORS.....	178
X. SCREENS .....	225
XI. THE FILM .....	250
XII. THE MOTION PICTURE PROJECTOR.....	284
XIII. THE PROJECTION ROOM.....	331
XIV. THE LIGHT SOURCE.....	361
XV. SOUND EQUIPMENT AND SOUND.....	417
XVI. RECORDING AND REPRODUCTION.....	426
XVII. THE A. C. TRANSMISSION LINE.....	432
XVIII. COMPONENT PARTS OF A SOUND SYSTEM.....	440
XIX. POWER SUPPLY FOR SOUND SYSTEMS.....	449
XX. SOURCES OF SOUND CURRENT.....	460
XXI. THEORY AND WIRING OF AMPLIFIERS.....	485
XXII. <b>SPEAKERS</b> .....	535

## CONTENTS

CHAPTER	PAGE
XXIII. DRIVES .....	550
XXIV. CONTROL TRACKS AND STEREOPHONIC SOUND.....	576
XXV. THE OPERATION OF SOUND EQUIPMENT.....	585
XXVI. MAINTENANCE OF SOUND EQUIPMENT.....	603
XXVII. TELEVISION AND RADIO COMPONENTS.....	624
XXVIII. TELEVISION AND RADIO TRANSMISSION.....	633
XXIX. TELEVISION AND RADIO RECEIVERS.....	641
XXX. SOME TELEVISION DETAILS.....	650
Supplement: SOUND TROUBLE-SHOOTING CHARTS.....	655
INDEX .....	703