

TOPICAL HEADINGS.

	PAGE
1. Education	1
2. General Theory	2
3. Measurements and Instruments	13
A. Units and Standards	13
B. Electrical Measurements and Instruments.....	16
C. Non-electrical Measurements	19
4. Dielectrics and Dielectric Phenomena.....	20
5. Electric Conductors	23
6. Magnetic Properties and Testing of Iron.....	26
7. Batteries	28
8. Transformers	32
9. Electrical Machinery and Apparatus.....	36
A. Direct-Current Machines	36
B. Synchronous Machines	41
C. Induction Machines	44
D. Alternating-Current Commutator Machines	45
E. Converters	46
10. Steam Boilers and Prime Movers.....	47
11. Power Plants	50
A. Buildings	50
B. Economics	50
C. Hydroelectric Plants	50
D. Steam Electric Plants	51
E. Electric Apparatus and Wiring.....	51
12. Transmission	53
13. Electric Service Disturbances and Protection.....	55
14. Distribution Systems	57
15. Control, Regulation and Switching.....	63
16. Traction	65
A. Railway Systems	65
B. Train Movement and Motor Capacity.....	70
C. Distribution System	71
D. Operation	72
E. Industrial Locomotives	72
F. Automobiles	72
17. Lighting and Lamps	74
A. Light Measurement and Units.....	74
B. Lighting	75
C. Lamps	78
19. Electricity in the Army and Navy.....	82

TOPICAL HEADINGS

	PAGE
20. Miscellaneous Applications of Electricity.....	83
A. Electrochemistry and Metallurgy	83
B. Mining	84
C. Industrial Power	85
D. Medicine	85
E. Miscellaneous	86
21. Telephony and Telegraphy	88
A. General Theory	88
B. Telephone Systems	88
C. Telegraph Systems	89
D. Wireless Systems	91
22. Miscellaneous Topics	93
A. Institute Affairs	93
B. Patents and the Patent Office.....	97
C. General Subjects	99
D. Obituary Notices	101