

ELECTRICAL ENGINEERING

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THIRD EDITION

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Preface for Third Edition

This book is written especially for engineering college students who are not majoring in electrical engineering and also for those who are majoring in electrical communication.

The beginning portion contains enough single-phase, polyphase, and transient circuit analysis to enable the student to understand the more common types of industrial electrical machinery as described in the middle half and also to understand the more common elements of electronic industrial control described in the last portion. It is believed that the contents are sufficient to give a "non-electrical" engineer a good foundation or working knowledge of all electrical apparatus that he is likely to use. It should enable him to speak and understand the language of the electrical engineer.

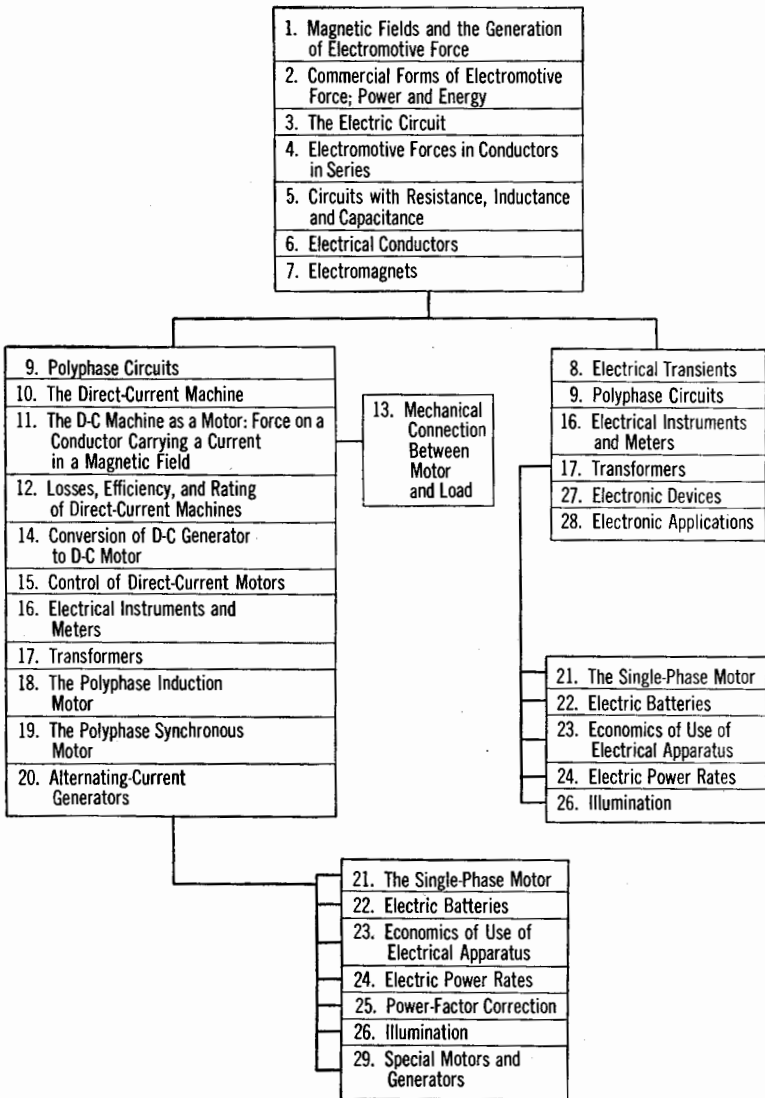
Furthermore it is believed that an electrical engineer whose major interest is communication will find about all of the working knowledge of power machinery that he is likely to need in his chosen specialty.

The choice of material is also intended to provide an introductory course for electrical engineers where that course will be followed by more detailed courses. The pace is set to enable the instructor to start laboratory assignments almost immediately after the first lecture.

Inasmuch as it may be desirable to omit some parts of the content to accommodate a foreshortened course, a flow sheet has been added to show chapters that must be studied in sequence and others that may be interspersed as laboratory progress permits.

E. E. KIMBERLY

FLOW SHEET



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