

**ALTERNATING CURRENT  
ENGINEERING  
PRACTICALLY TREATED**

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Alternating Current Engineering Practically Treated by E. B. Raymond

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**E. B. RAYMOND**

**ALTERNATING CURRENT  
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# ALTERNATING CURRENT ENGINEERING

PRACTICALLY TREATED

*Edward* BY  
E. B. RAYMOND

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## PREFACE.

THE directing for many years in practical engineering of graduates from technical colleges of this and other countries, and also young men starting in the electrical business without complete technical training, has impressed upon my mind the necessity for a general treatise on alternating current engineering presented in a practical and compact way, without complex methods of explanation, and free from any matters not bearing directly on purely engineering work. To this end this book has been written, covering, without the use of calculus, an outline of the subjects embraced by alternating current engineering. In order that a proper knowledge of the theory and operation of apparatus may be had, the first part of the book is devoted to elucidating the general laws of magnetism and alternating currents as applied to alternating work. The second part deals directly with modern alternating apparatus, covering in a general way the designing principles and the principles of operation, and in detail the methods of test that have been found to be the best.

E. B. RAYMOND.

SCHENECTADY,  
NEW YORK,  
AUGUST, 1904.

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