BASIC ELECTROTECHNOLOGY

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PREFACE

Unlike a treatise, which is a statement of original work undertaken to increase knowledge, whether that knowledge can be applied to human problems or not, a text-book is a collection of material already known.

The justification for an additional text-book to the vast number already in existence is therefore dependent on (a) the choice of material and its suitability to some specific purpose, and (b) the clarity of the exposition; is it such that the book can be understood by students of average ability?

The present book satisfies requirement (a) because it is written for a specific purpose, namely, to cover the syllabus of the subject of Electrical Principles II of the City and Guilds of London Institute. As far as requirement (b) is concerned it is hoped that the author's long experience of technical writing has ensured that this also is satisfied.

Where it seemed advantageous the requirements of the syllabus have been exceeded in a few cases, for example, a discussion of the present-day importance of the metal sodium as a conductor of electricity, and a description of the mercury cell.

The book ends with a collection of exercises, and since it is probable that the so-called Imperial system of units will survive for a few years the data for a few of the exercises corresponds to this system.

As this is a new book there may be suggestions, or even criticisms, from readers. The author will be grateful for such co-operation.

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H. COTTON

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