

Telephone and Telegraph Engineers' Handbook

By

International Correspondence Schools
Scranton, PA

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Telephone *and* Telegraph Engineers' Handbook

A CONVENIENT REFERENCE BOOK

For All Persons Interested In

Telephone and Telegraph Systems, Location
of Faults, Electricity, Magnetism,
Electrical Measurements,
and Batteries

BY

International Correspondence Schools
SCRANTON, PA.

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PREFACE

The publishers have not attempted in this work to produce a condensed cyclopedia covering the subjects of telephony and telegraphy, but they have aimed to present to the public a handy reference book that is convenient to carry in the pocket and containing the rules, formulas, tables, and circuits that are most generally used and needed by linemen, wiremen, "troublemen," operators, foremen of construction, manufacturers of and dealers in telephone and telegraph apparatus and supplies, wire-chiefs, managers, and superintendents of telephone and telegraph companies.

The aim of the publishers has been to select from the vast amount of material at hand only that portion which is most likely to be used in connection with the daily work or which will be most frequently consulted. While the treatment of some subjects is of necessity brief, it is sufficient for the purpose. More important subjects have been covered in great detail; for instance, the treatment of electrical measurements and of the location of faults in line wires is very thorough and complete—more so, in fact, than in most textbooks. The tables selected are those most in demand, and the applications of

the rules and formulas are shown, whenever possible, by practical examples and solutions, together with explanations. Special attention is called to the diagrams of circuits for representative magneto and central-energy systems; these have been fully explained. A very complete set of connections for the various wall and desk telephones has been given and also for intercommunicating systems suitable for private and apartment houses, factories, public buildings, and hotels. Descriptions of wireless telephone and telegraph systems and of methods for transmitting simultaneously telephone and telegraph messages over the same line wire are included.

This handbook was prepared under the supervision of Henry S. Webb, Principal of our School of Telephony and Telegraphy.

INTERNATIONAL CORRESPONDENCE SCHOOLS
Scranton, Pa.

January 1, 1908