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PREFACE TO 10th EDITION

THE GUIDE 1932 is the *tenth* in a series of annual editions amplified and revised to keep pace with the notable engineering developments that have been recorded during the last decade. In contrast to the 1st edition published in 1922 the Text Section alone of this 10th edition contains nearly twice the number of pages as were devoted to the combined text and catalog sections in original GUIDE.

In the enlargement of THE GUIDE the ideals of its founders have been carefully preserved by each Guide Publication Committee. New subjects have been added and the scope and usefulness of THE GUIDE have been extended as progress in the art required.

The significant additions and revisions that make THE GUIDE 1932 distinctive are: The increased number of chapters, the inclusion of over 50 per cent new subject matter and the rewriting of nearly every chapter. A new grouping of subjects has been made and more extensive cross indexing will assist the user in locating needed specific information.

In Chapter 1 the abbreviations and definitions used in the Text Section have been grouped. Comprehensive information on concealed heating units of various types is given a new Chapter 7 entitled Gravity Convector. The latest research in hot water heating is the basis for Chapter 8. An entirely new treatment of the subject of handling condensate and air is given in Chapter 10. Practical data on hot and cold water requirements of buildings, Chapter 13, is new and valuable material. Entirely new information is to be found in the Chapters on Draft and Chimneys, Mechanical Stokers, and Automatic Temperature Control. Many changes in the presentation of the subjects of Ventilation and Air Conditioning have been necessary in order that the profession may benefit from recent research discoveries. Chapter 36, Unit Ventilators and Chapter 37, Unit Air Conditioners are new and, with the exception of a little previously published information, Chapters 38, 39 and 40 give new data.

• It is hoped that engineers, architects, contractors and others who use THE GUIDE 1932 will find in the 552 pages of technical data adequate information to solve the problems that arise in daily practice.

With more than 300 pages in the Catalog Data Section modern equipment can be selected for any heating and ventilating service. Detailed descriptions, sizes, capacities, and dimensions are invaluable in supplementing the facts contained in the Text Section.

The manufacturers who make a careful and complete presentation give essential facts and figures on their specific products thereby amplifying the text. This unique method effectively covering both practice and