

Air Conditioning. The chapter has also been revised to include many new items relating to present railroad car heating practice.

New material and references have been added to Chapter 39, Industrial Air Conditioning. Chapter 40, Industrial Exhaust Systems, has been extensively changed with the addition of a number of tables and data which will be useful for practical design purpose. A section on Electronic Heating has been added to Chapter 44, Electric Heating.

Chapter 45, Panel Heating and Radiant Heating, has been rewritten so that the first part of the chapter deals with the influence of radiant heat on the occupant and the objectives of radiant heating. The latter part of the chapter outlines a new method for practical calculation of panel heating and radiant heating. The method is illustrated by a problem in which simplifying assumptions are made for the purpose of reducing the work required to design a satisfactory system.

A chart showing friction loss in fairly rough pipe has been added to Chapter 46, Hot Water Supply Systems. Several new and revised definitions have been added to Chapter 47, Terminology. In Chapter 48, Abbreviations, Symbols, Standards, separate sections have been used for Abbreviations and for Symbols. Conversion equations and factors listed have been corrected by the National Bureau of Standards.

Many Society members and other engineers, although busily engaged in activities related to war production, have contributed generously of their knowledge and time in preparing the 1945 edition. In addition to those mentioned in previous editions, who are responsible for past contributions, grateful acknowledgment is made also to those who have made this issue a valuable reference work for the profession and industry by reviewing chapters or preparing major revisions:

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A carefully prepared Catalog Data Section, listing an enlarged number of products from 212 leading manufacturers, constitutes a valuable reference list for the designer seeking equipment for any type of heating, ventilating and air conditioning installation. For ready reference the section is fully indexed with cross-references.

The 1945 edition of THE GUIDE maintains the established tradition of constant improvement from year to year resulting from close contact of members of our Society with the latest practice in the field of Heating, Ventilating and Air Conditioning.

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