

to the chapter on Mechanical Warm Air Furnace Systems, with the inclusion of standards which were recently adopted by the industry.

Chapters 22 and 23 dealing with unit types of heaters, ventilators, humidifiers, air conditioners, and air coolers, and also attic fans, have received major revisions with emphasis on new developments in the design of such equipment. New data will be found in the chapter on Air Cleaning Devices covering problems encountered where lint is an important factor. All of the material in the chapters dealing with Air Distribution, Air Duct Design and Sound Control has been reviewed, rewritten and correlated to take into consideration the results of recent Society sponsored research investigations. Other chapters which have been completely revised are Motors and Motor Controls, Industrial Air Conditioning, Industrial Exhaust Systems, and Radiant Heating. Some information on the design of solar water heaters has been added to the chapter dealing with Water Supply Piping and Water Heating. In addition to the chapters specifically mentioned all others were reviewed and checked.

Although the present text is largely due to the generous contributions submitted over past years by many individuals, whose work has been previously acknowledged, the following persons have contributed new information and material which appear in this edition:

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An important part of THE GUIDE is the Catalog Data Section. Much useful design data and information have been supplied by the various manufacturers and GUIDE readers will be well compensated by a careful examination of this section. Equipment has been grouped in subdivisions for convenience in locating data in reference to a particular type of apparatus.

In submitting the 1943 edition the Guide Publication Committee sincerely hopes that it will be found useful and informative in advancing the art and science of heating, ventilating and air conditioning.

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