

information on elbow attenuation and amplifying the data on absorption for plate cells. Chapter 34, Automatic Control, has been rewritten to obtain a fundamental approach to the subject of controls, and sections have been added to cover automatic control terminology and types of controllers. Chapter 37 on Air Conditioning in the Treatment of Disease contains a considerable amount of new information and data on various phases of this subject, including sections entitled, Reducing Explosion Hazard in Operating Rooms, Operating Room Conditions, Sterilization of Air, Cold Therapy and Oxygen Therapy.

New data on conduits, meters, piping of meters and economizers, and revised rules for utilization of heat have been incorporated in Chapter 43, District Heating. Chapter 46 on Hot Water Supply has been modified and includes revised information on hot water supply piping as well as additional data on computing the area of heat transmitting surface for instantaneous heating coils.

State code references in Chapter 48 have been corrected to 1944. Chapter 49 is a new chapter on Marine Heating and Ventilation and contains essential information on the design of heating and ventilating systems for ships.

As has been customary in the past, much of the information, representing well established practice, has been carried over from previous issues to the HEATING, VENTILATING, AIR CONDITIONING GUIDE 1944. Acknowledgment has been made in previous issues of those who have contributed. Because of the difficulties in many cases of serving under the handicaps of wartime conditions, special credit is due the following contributors to this edition of THE GUIDE:

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The Catalog Data Section is broader in scope, and presents a greater variety of products by an increased number of manufacturers. The many pages of condensed data on equipment will be helpful in design, installation, and selection of equipment. This section is fully indexed and coordinated with the technical data by use of numerous cross references.

The 1944 edition of THE GUIDE is presented with the anticipation that it will be even more useful than preceding editions and that it will provide a definite contribution to the advancement of the art and science of heating, ventilating and air conditioning.

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