

International Heating & Ventilating Exposition

THE AIR CONDITIONING EXPOSITION

Permanent Address—Grand Central Palace, New York, N. Y.

EXPOSITIONS HELD

The first in Philadelphia, 1930.
The second in Cleveland, 1932.
The third in New York, 1934.
The fourth Exposition in Chicago, 1936.
The fifth in New York, January 24-28, 1938.

Subsequent Expositions will be held on alternate, even numbered years.

These are held coincident with the Annual Meeting of the AMERICAN SOCIETY OF HEATING AND VENTILATING ENGINEERS and are directed by the International Exposition Company, under the auspices of the A.S.H.V.E.

EXHIBITORS

Comprise leading firms in each phase of the industry: number has varied from 150 to 304 exhibitors.

EXHIBITS

These range from and comprise all the types of articles discussed or advertised in this copy of THE A.S.H.V.E. GUIDE.

1. **The COMBUSTION Group:**
Furnaces, burners (oil and gas), grates, stokers, boilers, radiators (various types), refractories and auxiliaries.
2. **The HYDRAULIC Group:**
Water feeders, water heaters, pumps, traps, valves, piping, fittings, expansion joints, pipe hangers, etc.
3. **The STEAM HEATING Group:**
Vapor heating and steam specialties.
4. **HOT WATER HEATING Group:**
5. **Air Group:** Warm Air furnaces and stoves, registers and grilles, cooling towers, air filters, motors, fans, blowers, conditioning equipment, ventilators (room and industrial types), unit heaters, etc.
6. **CONTROL Group:** Instruments of precision for indicating, controlling or recording temperature, pressure, volume, time, flow, draft or any other function to be measured.
7. **REFRIGERATING:** Compressors, condensers, cooling apparatus, contingent apparatus and refrigerants for homes, factories, railroads, etc.
8. **CENTRAL HEATING:** Apparatus and materials especially designed or adapted to the use of central heating and central heating station supplies.
9. **INSULATING:** Structural insulators (refractory and cellulose materials),

asbestos, magnesia clays and combinations thereof, pipe and conduit covering, etc., weather-stripping, etc.

10. **The MISCELLANEOUS Group:**
Electric Heaters, boiler and pipe repair alloys, liquids and compounds, etc., which are not included above.
11. **MACHINERY AND GENERAL EQUIPMENT.**
12. **AIR CONDITIONING Group:** Equipment which circulates and filters the air, and in summer dehumidifies and cools; in winter heats and humidifies, and does all these in proper season for complete, all year round air conditioning.

VISITOR ATTENDANCE

Comprises a registered attendance invited to the exposition and includes:
(Figures are 1934 analysis)

INDUSTRIES

Governmental.....	186
Distributional Channels	
Contractors, Dealers, Jobbers, Supply Houses, 32 classifications.....	5998
Home Owners.....	414
Industrial Users, 49 classifications.....	3428
Professional and Service Organizations, 23 classifications.....	2017
Public Utilities.....	922
Real Estate Management and Operation, 10 classifications.....	945
Educational Institutions.....	303
Miscellaneous.....	1043
TOTAL.....	15,256

OCCUPATIONS

Executive (44 titles).....	7850
Construction (16 titles and trades).....	1022
Operation (44 titles and trades).....	2018
Technical (64 titles).....	2144
Not Classified including Educators, Publishers, Home Owners, etc.....	2222
TOTAL.....	15,256

The registered attendance at the 1936 Exposition in Chicago was 27,743 but the analysis of industries and occupations has not been completed at the time this goes to press. These visitors came from 273 cities and towns in 44 States of the United States and 35 cities and towns in 10 foreign countries.

Industrial Expositions in America lead the expositions of the world in style, business effectiveness, industrial influence and educational value. This Exposition stands among the leaders in Industrial Expositions in America. It is an educational institution which biennially brings together the research developments and improvements in equipment and materials.

American Society of Refrigerating Engineers

37 West 39th Street, New York, N. Y.

REFRIGERATING DATA BOOK

THE '37-'38 *Refrigerating Data Book*, a one-volume encyclopedia contributed to by 73 refrigerating experts, achieves an excellence matched by few engineering or scientific books in any field. Like its predecessors it contains all the fundamental data available on the art of refrigeration, with many additions in the light of recent researches. Unlike some earlier editions it is, however, arranged to permit of use by the novice or student in refrigeration, and as a general reference work.

This book contains 520 pages of text plus a catalog section with various directories and lists. The technical contents are divided into four sections separated by section indices on colored inserts for convenient reference. The inside covers are likewise used for reference to the main topics and the 33 chapters.

All phases of refrigeration in theory and practice, from small to large machinery, are covered in the *Data Book*, each part being written by a leading authority. The applications include particularly several excellent chapters on all phases of air conditioning in design and layout, for large and small installations. In hard leather binding, \$4.00, express charges collect.

MEMBERSHIP ACTIVITIES

IT is the policy of the A.S.R.E. to treat in its meetings current subjects touching upon all phases of the art of refrigeration. Membership is in four grades with dues from \$7.50 to \$17.50. Sections hold meetings in the following cities: Boston, New York, Philadelphia, Detroit, Chicago, Milwaukee, St. Louis and Los Angeles. The Society holds its 33rd Annual Meeting in 1937.

REFRIGERATING ENGINEERING

Refrigerating Engineering in its 33rd volume continues to be the periodical source of authoritative information on all phases of the arts and sciences of refrigeration. In its most solid aspects it carries the *Journal of the A.S.R.E.*, a living record of the technical advance of practice and research in its field. The larger portion of its pages is, however, devoted to material of wider appeal, with original articles, none

the less authoritative, but written in a journalistic style to enable the reader to get the background of each subject and an understanding of it that will stick. *Refrigerating Engineering* also prints news, features, write-ups of interesting personalities.

Refrigerating Engineering has long been unique in its field not alone for the originality and authority of its contents, but for its coverage of all phases of refrigeration both as to machinery and application problems. The applications of this art are, of course, very numerous.

The rate has been reduced to \$4 for 1937, the combination rate with the *Refrigerating Data Book* being \$7.50.

CODES AND STANDARDS

THE A.S.R.E. has a number of technical codes in its series of *Circulars*. Recent additions include the code for *testing and rating mechanical condensing units* (No. 13, 15c) and the code for *testing and rating air conditioning equipment* (No. 14, 20c). Other current data: Plant test code, corrosion prevention code, safety code, code for testing iced refrigerators. Write for free booklet *Pointers to Authors*, including style sheet and directions for locating information in refrigeration.