



United States Testing Company, Inc.

Est. 1880

Main Laboratories

1415 Park Ave., Hoboken, N. J.

PHILADELPHIA, PA.—CHICAGO, ILL.—LOS ANGELES, CALIF.—DENVER, COLO.—NEW YORK, N. Y.—
WOONSOCKET, R. I.—BOSTON, MASS.—MEMPHIS, TENN.

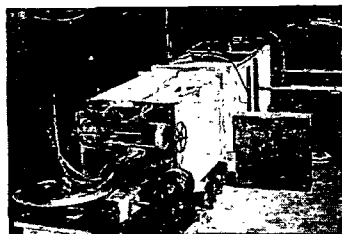
The United States Testing Company, Inc., is one of America's leading independent testing and research laboratories. Established in 1880, it is today an institution known and recognized from coast to coast—an institution whose scientific findings are accepted as impartial and authoritative by every branch of American industry.



Thermal Transmission Apparatus
For measuring thermal conductivity of rigid, semi-rigid or loose types of insulating materials.



Boiler Testing
We have all the necessary equipment to test and rate heating boilers in accordance with I.B.R.—S.B.I.—A.S.M.E. Codes



Air Filler Duct Testing.

Our Engineering Laboratory is equipped with all the necessary apparatus to conduct tests on domestic heating boilers for determination of fuel consumption, draft-loss, stack temperature, steam quality, Btu output, flue gas analysis, and over-all efficiency. Rating tests are performed according to either the S.B.I. or I.B.R. codes, as well as under simulated operating conditions for development purposes.

Water heaters can be subjected to capacity tests under wide temperature requirements and varied heating loads. Refractories, fuel additives, valves, pumps, burners, and heating accessories of many types are evaluated scientifically in our laboratories.

Other facilities include all the necessary equipment for conducting exhaustive tests on air cleaning devices according to accepted impingement or the more recent discoloration methods. These tests may be performed with either artificial or natural dusts, under an almost infinite variety of flow rates and dust feed.

Diffusers, grilles, registers, and duct ventilators are regularly tested and rated.

SOUND MEASUREMENTS

Measurements of sound absorption and sound transmission coefficients are but two of the typical tests made on a great variety of building materials.

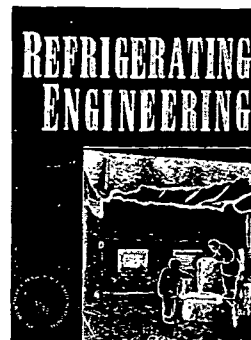
Field and laboratory tests are regularly conducted for determination of sound intensity in the audible range.

Our experts are available for court testimony in connection with any of the tests we perform, in support of our findings.

Write for Descriptive Literature and Price List.

American Society of Refrigerating Engineers

40 West 40th Street, New York 18, N. Y.



The most rapidly growing magazine in the refrigeration field

LONG acknowledged the most authoritative periodical in the field, *Refrigerating Engineering* has added steadily to the practical value of its contents, and its number of readers has grown in proportion. A wide variety of material is presented, all from the viewpoint of its usefulness to the reader in his own business. This magazine is a must for men who keep in touch with all that is new and important in refrigeration and air conditioning. The annual subscription price is \$4.

ASRE DATA BOOKS

Are essential tools in the refrigeration and air conditioning industries. It has been published biennially since 1932 and appears in two volumes, published alternately—the Basic volume, now in its sixth edition, a standard reference work which deals with refrigeration cycles, fundamental data, industrial, domestic, and commercial systems, and air conditioning; the Applications volume, consisting wholly of practical how-it-is-done chapters on all the known applications of refrigeration and air conditioning. The current edition is dated 1946. Volumes sell for \$7.00 and \$6.00 respectively in the U. S.

REFRIGERATION ABSTRACTS

A JOURNAL devoted to abstracts of all worthwhile articles appearing on the subject of refrigeration and air con-

ditioning theory and applications in more than 300 current publications throughout the world. Prepared by a staff of experts, it is invaluable for those engaged in research, design, or in exploration of unfamiliar fields. Five issues annually at \$7.00. Subscriptions can be predated to include the January, 1946 issue.

APPLICATION DATA SECTIONS

SOME 40 bulletins are available separately at reasonable prices for single copies or quantity orders and can also be had bound with a paper cover, the complete set for \$10.00.

The APPLICATION DATA Sections tell precisely how refrigeration is used in various fields, giving examples and specific information on the best practice up to date. Some of the subjects covered to date are: refrigeration of locker plants, fur storage, restaurants, liquids, apples and pears, skating rinks, butter and cheese making, citrus fruits, beer dispensing, retail stores, wine making, load calculations, operation of ammonia machines, meat packing plants, etc.

CODES AND STANDARDS

THE ASRE further contributes to refrigeration progress by its participation in establishing codes and standards in the industry. Among the recent codes made available are: Methods of Rating and Testing Air Conditioning Equipment, Mechanical Condensing Units, Self-Contained Air Conditioning Units for Comfort Cooling, Refrigerant Expansion Valves, Evaporative Condensers, Water-Cooled Refrigerant Condensers; Safety Code for Mechanical Refrigeration; Recommended Practice for Mechanical Refrigeration Installations on Shipboard. A complete set is available for \$5.00.

MEMBERSHIP ACTIVITIES

IT is the policy of the ASRE to treat in its meetings current subjects touching upon all phases of the art of refrigeration. Membership is in several grades with dues from \$10 to \$18. Sections hold meetings in 29 principal cities. More detailed information will be sent if you wish.

To keep abreast with progress in refrigeration and air conditioning, read the publications and follow the activities of the AMERICAN SOCIETY OF REFRIGERATING ENGINEERS, 40 West 40th St., New York 18, N. Y.