



The ASHRAE Centennial:

100 Years of Progress





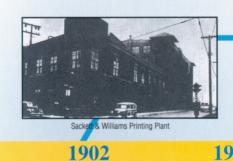


















Volume I of the ASRE

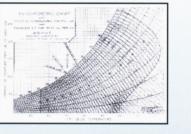
mfort Zone was established by

cooperation with the U.S. Public

vice and the Bureau of Mines after







Willis Carrier presents historic paper.

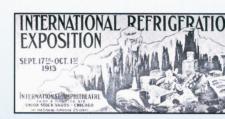
Thomas Midgley and others

synthesize CFC refrigerants for

Frigidaire at the General Motors

"Rational Psychrometric Formulae," and

1911



ASRE sponsors research at the

U.S. Bureau of Standards to

Hugh Barron, upset by the National Association of Master Steam and Hot Water Fitters' failure to appreciate an engineer's feeling in regard to technical matters, leads an effort to establish a new engineering society.

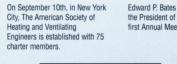


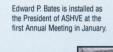




female member of ASHVE;

joined shortly thereafter by





1918

1942

Aeronautics Advisory

Committee featuring a 20,000

automatic electric refrigerator

The first edition of the ASHVE Transactions

1919

ASHVE opens a research

ASHVE holds its third semi-annual or "summer" meeting in Sarasota Springs, NY.

John Allen is named Director of

1899

Alfred Wolff designs a 300 ton co-generation HVAC system for comfort cooling and humidity

A package chiller using a

centrifugal compressor with

1901

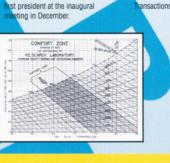
Willis Carrier, working for the Buffalo

Forge Company, designs a spray-type





1923



ASRE elects John Starr as its



1906

Stuart Cramer, a North Carolina

textile engineer, coins the term



Clarence Birdseye files for

the first of many U.S.

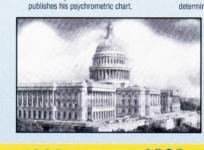
quick-freezing of foods

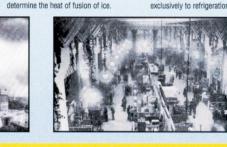
patents pertaining to the

1908

The First International

Congress of Refrigeration is





1930

1913

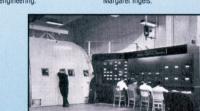
The first international

exposition devoted

1915

Journal of ASHVE begins publication

Margaret Ingels becomes the first woman in the world to





Helen Innis becomes the first Kelvinator introduces an

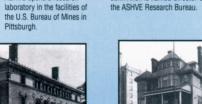


1944

Cleveland, Ohio.

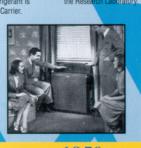
moves to leased facility in

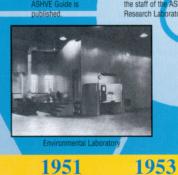
Wind tunnel built for National ASHVE Research Laboratory



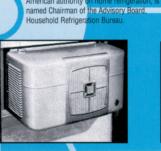


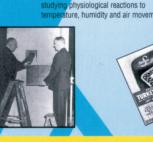
ASHVE buys a permanent facility Textile workers strike in North Carolina





1922







1955

Mass marketing of frozen

dinners begins: ads



The summertime increase in ticket sales at the Rivoli Theater in New

York greatly exceeds the cost of





U.S. House of Representatives First International Heating and becomes first major U.S. government Ventilating Exposition opens in the Commercial Museum, Philadelphia, on

1932

the Refrigerating

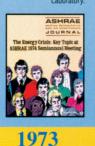
Standard B9-1930, Safety Code A study of Detroit Edison for Mechanical Refrigeration is workers shows a 51%

comfort cooling is installed.

1938

increase in productivity after





1946

at 7218 Fuclid Avenue in

Cleveland to house the Research



1948

over stressful temperature and humidity

conditions, making air conditioning







1954





Society materials was sealed at the 50th







ASHRAE Headquarters is In the face of rising costs, the Research established in the United Laboratory is closed after 42 years of operation; ASHRAE research continues Engineering Center in New York.



ASRE Data Book are combined into ASHRA Guide and Databook.

1967

1969

1972

ASHRAE Standard 62-73, "Standards for Natural and

ASHRAE Standard 90-75, "Energy Conservation in New

Indoor air quality becomes a issue following outbreak of

air conditioned homes sleep longer

in summer, enjoy their food more

1982

1986

ASHRAE "Insights" is United Nations Montreal Protocol for ASHRAE Standard Updated ASHRAE Standard the protection of the earth's ozone layer 62 is again revised. 90.1 sets new minimum

The Energy Policy Act of A record \$2.3 million ASHRAE/IES 90.1-1989 is 1992, Public Law 102- in funds is allocated codified and titled 'Energy C codified and titled "Energy Code

ASHRAE enters its Centennial year with 50,000 members in 120

1994

Prepared by the ASHRAE Historical Committee to commemorate the ASHRAE Centennial