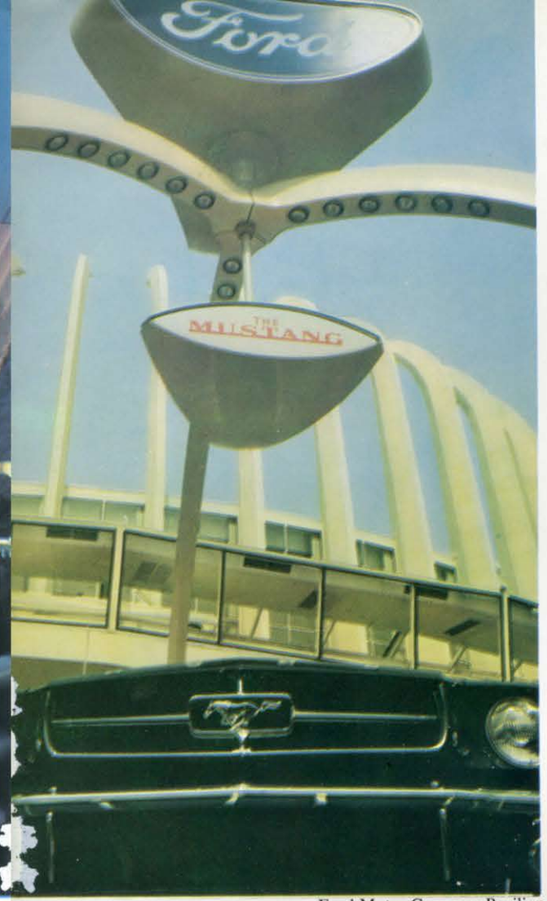
Why Gas Energy was chosen for 80% of the cooling at the New York World's Fair

Read about the exceptional adaptability of Gas cooling to the most modern building designs. Learn how five basic systems prove the surprising flexibility, the economy and reliability of Gas Energy.

General Motors Pavilion

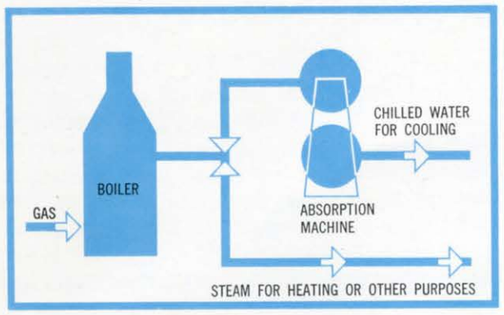


Ford Motor Company Pavilion

United States Pavilion

Highly flexible gas steam absorption systems cool these giant World's Fair showplaces efficiently and quietly

The advantages of a gas steam absorption system are striking. With no major moving parts, this kind of large tonnage unit is quiet and easy to maintain. In addition, these units operate with maximum flexibility, modulating from zero to full load at high efficiency. The same gas-fired boiler which powers the absorption machine is also used for heating the building, adding further to the efficiency of this type of cooling. No wonder gas and steam absorption were chosen to condition the air at the General Motors Pavilion (900 tons), the Ford Pavilion (1500 tons), and the United States Pavilion (1000 tons). This system is finding increasing favor in large apartment projects, shopping centers, commercial buildings, hotels and industrial plants.

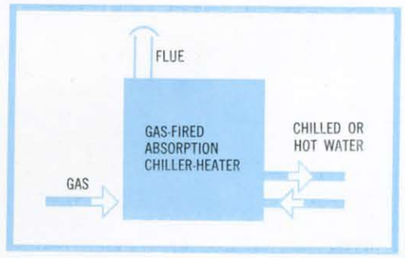


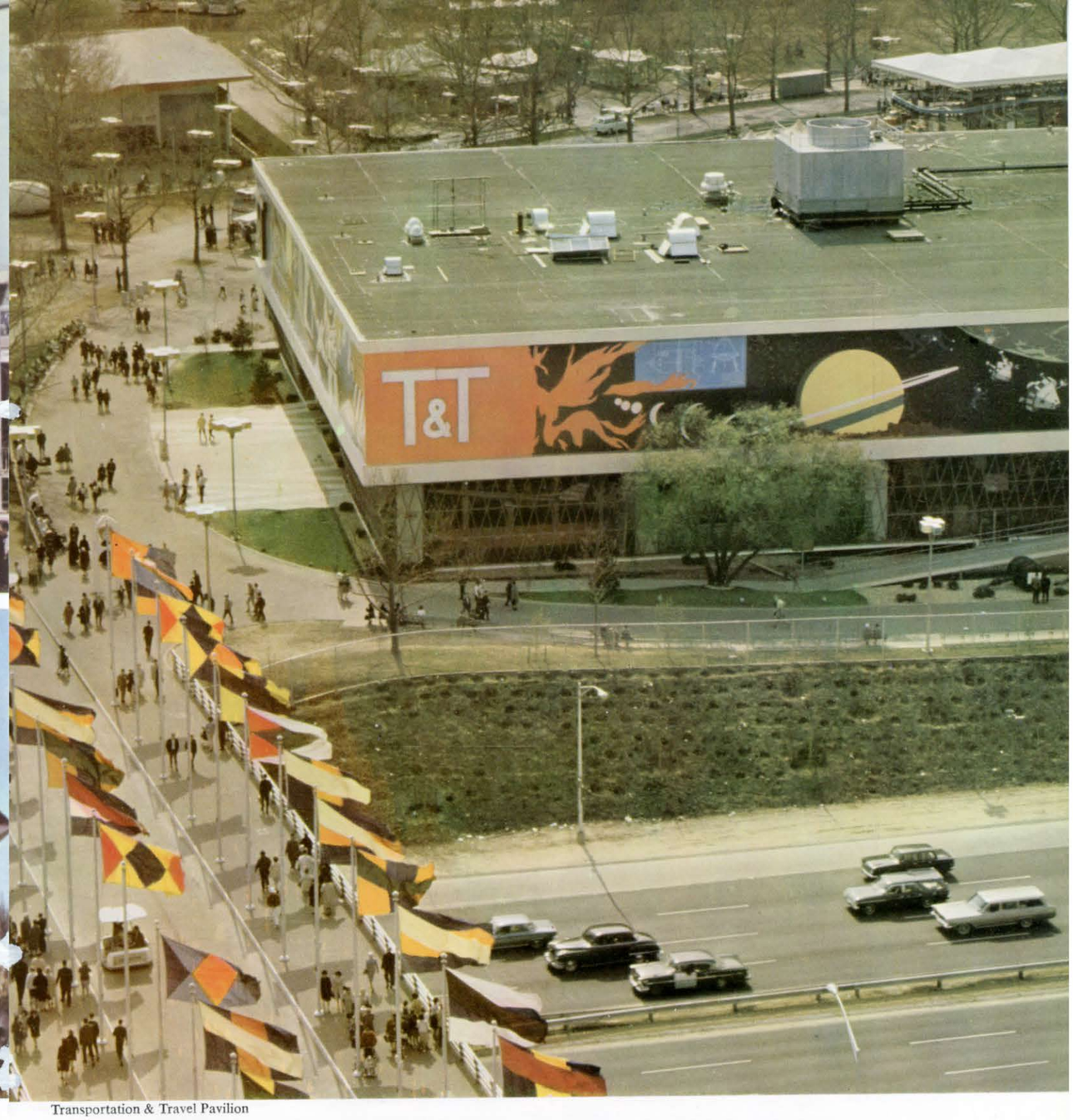
West Virginia Pavilion

Travelers Insurance Companies Pavilion

Gas direct-fired absorption units cool/heat economically at these Pavilions

In this type of system, a gas flame is applied directly to effect the absorption cycle. Important advantages include quiet operation, long life, low maintenance and low operating costs. The West Virginia Pavilion uses a total capacity of 50 tons, and the Travelers building has a 125 ton installation. Gas direct-fired absorption units are finding application in small commercial buildings—roof-mounted to conserve valuable space. Other units, in capacities ranging down to 2.5 tons, are used with increasing frequency in central residential heating and cooling applications.

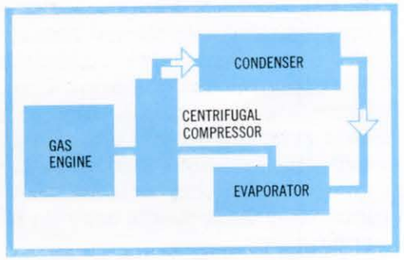




Transportation & Travel Pavilion

At this lavish Fair exhibit, a Gas engine centrifugal compressor offered low first cost

With a gas engine-driven centrifugal compressor, speed controls can add economy in operation to the low initial cost. At the Transportation & Travel Pavilion an 870 ton unit handles the cooling load, although installations can range from 90 to 1000 tons. Heat ejected through the engine exhaust gases and jacket water system is a useful by-product of the gas engine-driven centrifugal. The fact that the engine can be used to drive an emergency generator gives this system an important advantage for hospitals. Other applications include office buildings, plants and mills.

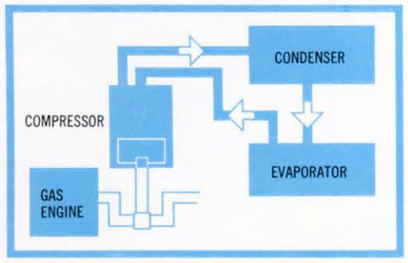


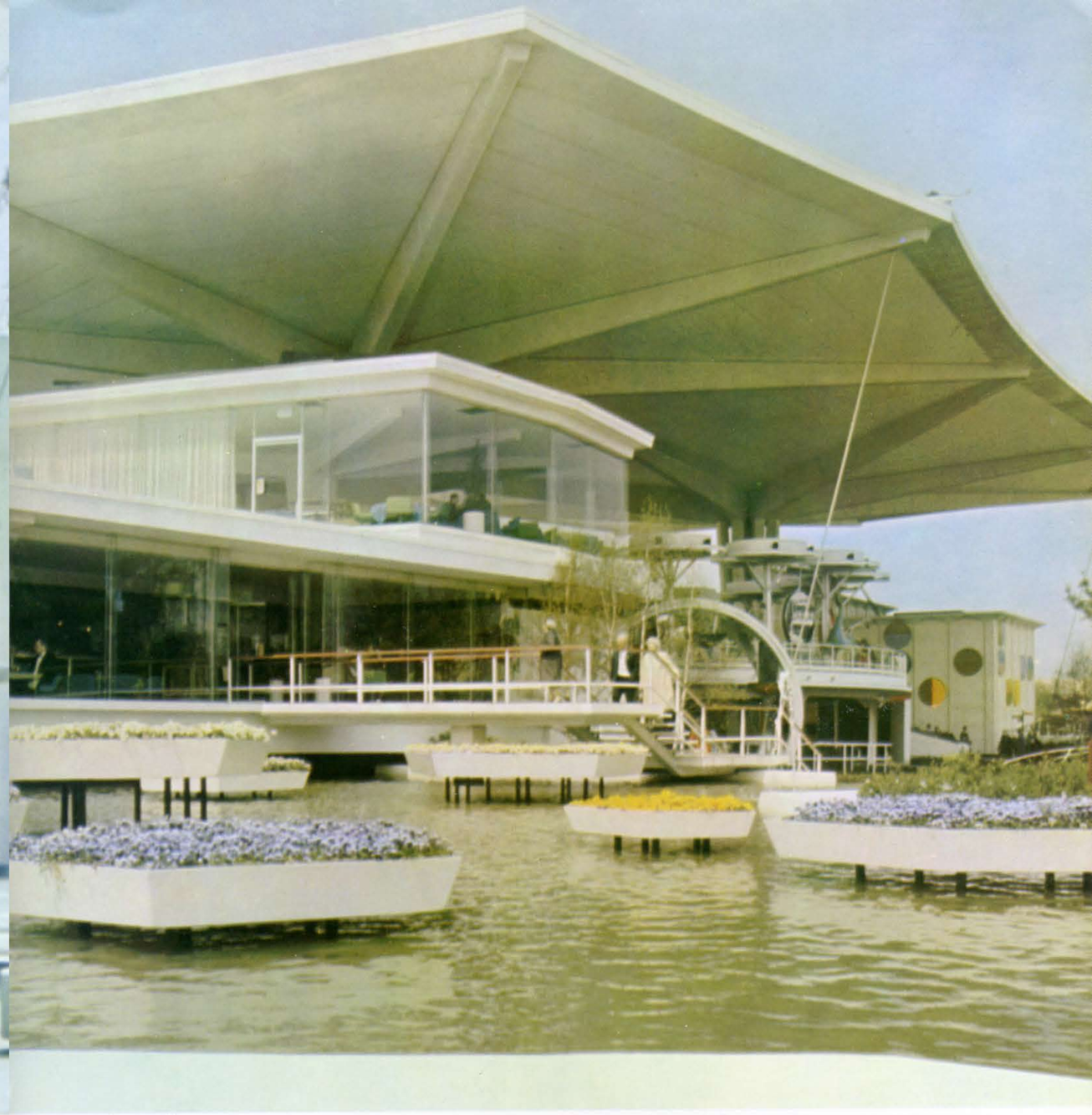
Hawaiian Pavilion

Protestant and Orthodox Center

Roof-mounted gas engine reciprocating compressors save space, operating costs

This system of Gas Energy cooling has wide application and is especially adaptable to roof mounting. Units are available in factory assembled and tested packages from three to 375 tons. The Protestant and Orthodox Center is cooled by a 250 ton system. The Hawaiian Pavilion is serviced by a total of 220 tons. Equipment can be air-cooled-direct-expansion or a chilled water system. Direct cost study comparisons show the gas engine reciprocating compressor offers outstanding operating economy. Chain stores are one of the major users of this equipment.

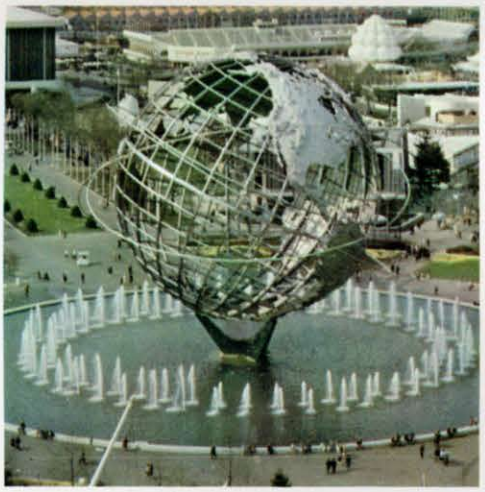




Festival of Gas Pavilion

Demonstrated at the Festival of Gas: the dramatic efficiency of a total energy system

Rapid progress has been made in the development of a new building energy concept...Gas Total Energy. In this system either a gas turbine or gas reciprocating engine drives a generator to supply electric power. At the same time, by-product heat is used for building heating, plant processing, or is converted to steam for use in an absorption cooling machine. The application of this new concept to over 100 industrial and commercial installations—from factories to motels—has resulted in substantial energy cost savings.



UNISPHERE® PRESENTED BY ⊜ UNITED STATES STEEL
ALL ILLUSTRATIONS OF WORLD'S FAIR EXHIBITS AND ATTRACTIONS COPYRIGHTED
© 1960, 1961, 1962, 1963 NEW YORK WORLD'S FAIR 1964-1965 CORPORATION

Pavilion	Architect Designer	Air Conditioning Manufacturer
Alaska	*A:* Olsen & Sands, Juneau Mandeville & Burge, Seattle Walter W. Stengei, N. Y. C.	Bell & Gossett
Bell Telephone Co.	*A:* Harrison & Abramovitz *D:* Jo Mielziner	Trane
Belgium Village	*A:* Hooks & Wax *D:* Alfons De Rijdt	Trane
Better Living Pavilion	*A:* John LoPinto & Assoc. *D:* American Institute of Interior Designers, Inc.	Ready Power
Billy Graham Pavilion	*A:* Edward Durell Stone	Arkla
Caribbean	*A:* Skidmore, Owings & Merrill	Ready Power
E. I. duPont de Nemours	*A:* Voorhees, Walker, Smith, Smith & Haines *D:* DuPont design staff	Carrier
Ford	*A:* Welton Becket Assoc. *D:* WED Enterprises, Inc.	York
Gas Incorporated	*A:* Walter Dorwin Teague Assoc.	Carrier
General Motors	*A:* Albert Kahn Assoc. *D:* GM Styling Staff	Trane
Greyhound at the World's Fair	*A:* Kahn & Jacobs *D:* The Displayers, Inc.	Trane
Guinea	*A:* Noel & Miller	Atmos-Pak
Hawaii	*A:* Reino Aarnio *D:* Lothar P. Witteborg	Ready Power
Hollywood	*A:* Oppenheimer, Brady & Lehrecke	Atmos-Pak
Hong Kong	*A:* Eldredge Snyder	Atmos-Pak
House of Good Taste	*A:* Jack Pickens Coble, Morris Ketchum, Jr., Edward Durell Stone, Royal Barry Wills Assoc.	Carrier
Indonesia	*A:* R. M. Soedarsono, Indonesia Max Urbahn, N. Y. C.	Ready Power
International Plaza	*A:* Ira Kessler, George S. Lewis, Lawrence Arens	Atmos-Pak
Ireland	*A:* Robinson, Keefe & Devane, Ireland *D:* George Nelson & Company, Inc., N. Y. C.	Atmos-Pak
Israel	*A:* Ira Kessler	Atmos-Pak
Japan	*A:* Kunio Maekawa, Tokyo *D:* Oppenheimer, Brady & Lehrecke Assoc.	Ready Power
House of Japan	*A:* Chapman Evans & Delahanty	Atmos-Pak
Korea	*A:* Kim Chung Up, Seoul *D:* Walter Dorwin Teague Assoc.	Bell & Gossett
Lebanon	*A:* Assem Salaam, Beirut Justin Henshell, N. Y. C.	Atmos-Pak
Liebmann Breweries, Inc.	*A:* Kahn & Jacobs	Ready Power
Malaya	*A:* Paul Leung, Kuala Lumpur Tippetts-Abbett-McCarthy-Stratton, N. Y. C.	Atmos-Pak
Mormon	*A:* Fordyce & Hamby Assoc.	Ready Power
National Cash Register Co.	*A:* Deeter & Ritchey	Carrier
National City Bank	*A:* William E. Lescaze	Atmos-Pak
New England	*A:* Campbell & Aldrich *D:* Exhibition Services International	Carrier
New Mexico	*A:* Henry Titus Aspinwall Assoc.	Atmos-Pak
N. Y. City Hall of Science	*A:* Harrison & Abramovitz	Trane
Pavilion of Paris	*A:* Ira Kessler	Atmos-Pak
Port Authority Heliport	*A:* Port of N. Y. Authority	Trane
Protestant & Orthodox Center	*A:* Henry W. Stone Kemp & Schwartz, Assoc. Arch.	Atmos-Pak
Sermons from Science	*A:* H. Robley Saunders *D:* Robert Chamides	Atmos-Pak
Socony Mobil Oil Co.	*D:* Peter Schladermundt & Assoc.	Atmos-Pak
Spain	*A:* Francisco Javier Carvajal Ferrer, Spain Kelly & Gruzen, N. Y.	Ready Power
Sudan	*A:* Noel and Miller	Atmos-Pak
Texas Pavilions	*D:* Randall Duell Peter Wolf William Parker McFadden	Atmos-Pak
Transportation & Travel	*A:* Clive Entwistle *D:* The Displayers, Inc.	Carrier Waukesha
Travelers Insurance Company	*A:* Kahn & Jacobs *D:* Donald Deskey Assoc., Inc.	Arkla
United States Pavilion	*A:* Charles Luckman Assoc. *D:* Cinerama Corporation	Carrier
WBT Tribes	*A:* William Kohn	Atmos-Pak
Wax Museum & Puppet Theater	*A:* John Harold Barry	Atmos-Pak
West Berlin	*A:* Ira Kessler	Atmos-Pak
West Virginia	*A:* Frederick P. Wiedersum Assoc. Irving Bowman *D:* David Ellies	Arkla
Wisconsin	*A:* Herbert Fritz, Jr., & Assoc. *D:* Hartwig Displays	Ready Power
W. F. Press Bldg.	*A:* Eggers & Higgins	Carrier
W. F. Administration Bldg.	*A:* Skidmore, Owens & Merrill	Carrier
W. F. Control Room		Arkla