

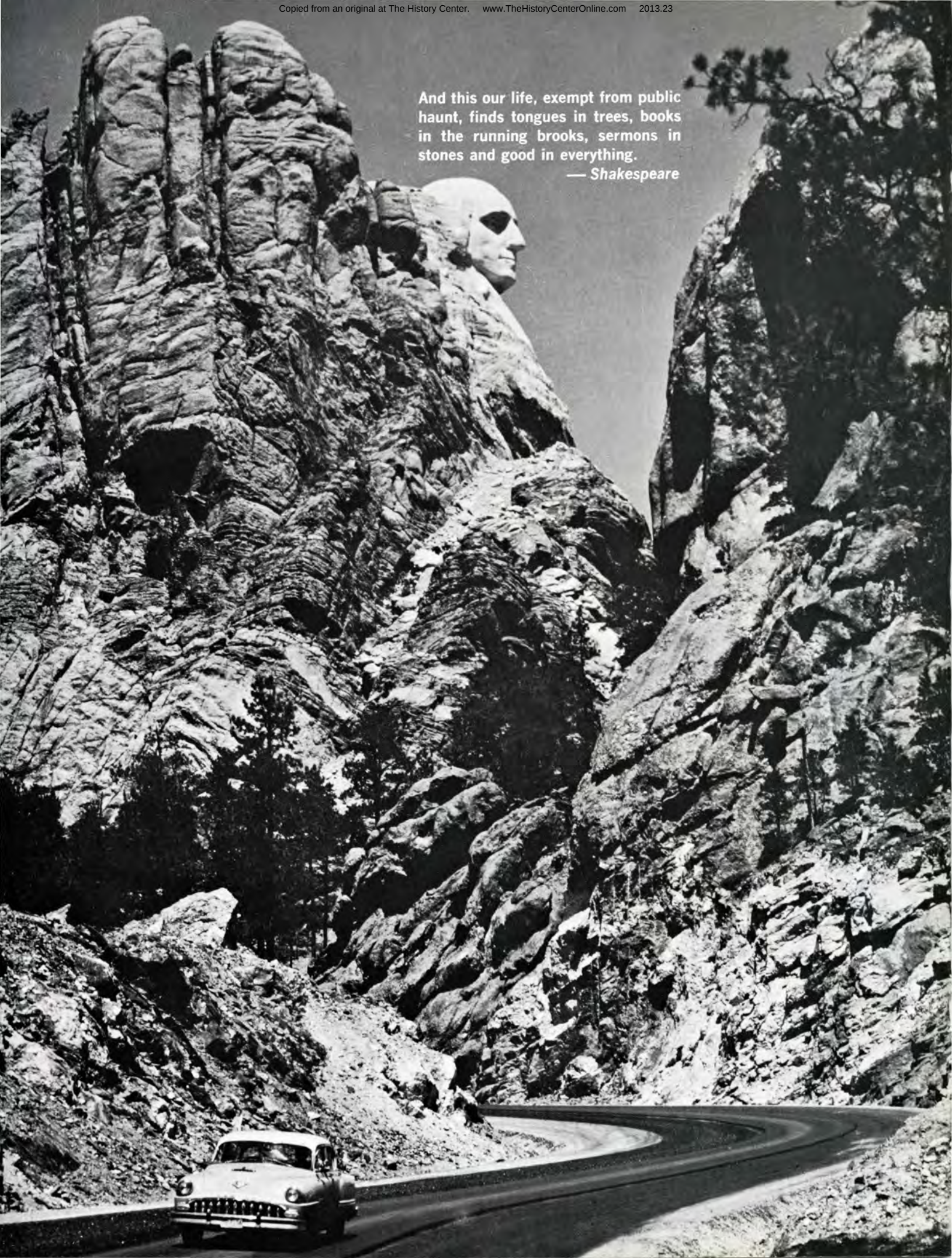


THE *Luffkin* **LINE**

JULY - AUGUST • 1968

And this our life, exempt from public
haunt, finds tongues in trees, books
in the running brooks, sermons in
stones and good in everything.

— *Shakespeare*



MACHINERY DIVISION

Sales and Service Offices

ATLANTA, GEORGIA
1313 Sylvan Road, S.W.
Phone: 404-755-6631

BAKERSFIELD, CALIFORNIA
2500 Parker Lane
P. O. Box 444
Phone: 805-327-3563

CASPER, WYOMING
100 Warehouse Road
P. O. Box 1849
Phone: 307-234-5346

CRYSTAL LAKE, ILLINOIS
18 Grant Street
Phone: 815-459-4033

CLEVELAND, OHIO
226 Suburban-West Bldg.
20800 Center Ridge Rd.
Phone: 216-331-5722

DALLAS, TEXAS
800 Vaughn Building
Phone: 214-748-5127

DENVER, COLORADO
1138 Lincoln Tower Bldg.
Phone: 303-222-9589

GREAT BEND, KANSAS
North Main Street
P. O. Box 82
Phone: 316-793-5622

HOBBS, NEW MEXICO
123 W. Gold
Phone: 505-392-6818

HOUSTON, TEXAS
1108 C & I Life Bldg.
Phone: 713-222-0108

KILGORE, TEXAS
P. O. Box 871
Phone: 214-984-3875

LAFAYETTE, LOUISIANA
P. O. Box 1353 OCS
Phone: 318-234-2846

LOS ANGELES, CALIFORNIA
5959 South Alameda
Phone: 213-585-1201

NATCHEZ, MISSISSIPPI
P. O. Box 804
Phone: 601-445-4691

NEW YORK, NEW YORK
350 Fifth Avenue
3904 Empire State Building
Phone: 212-695-4745

ODESSA, TEXAS
1020 West 2nd St.
P. O. Box 1632
Phone: 915-337-8649

OKLAHOMA CITY, OKLAHOMA
1317 West Reno
P. O. Box 82337
Phone: 405-236-4541

PAMPA, TEXAS
P. O. Box 2212
Phone: 806-665-4120

PITTSBURGH, PENNSYLVANIA
Suite 101
201 Penn Center Blvd.
Phone: 412-241-5131

SAN FRANCISCO, CALIFORNIA
5318 Eggers Drive
Fremont, California
Phone: 415-793-3911

SHREVEPORT, LOUISIANA
207 Beck Building
P. O. Box 5578
Phone: 318-424-3297

SIDNEY, MONTANA
Highway 16
P. O. Box 551
Phone: 406-482-2707

TULSA, OKLAHOMA
1302 Petroleum Club Bldg.
Phone: 918-587-7171

WICHITA FALLS, TEXAS
727 Oil & Gas Bldg.
P. O. Box 2465
Phone: 817-322-1967

LUFKIN OVERSEAS CORP. S.A.
Anaco, Venezuela
Estado Anzoategui
Apartado 46

Maracaibo, Estado Zulia,
Venezuela
Apartado 1144
Phone: 3132

Bogota, Colombia
Phone: 361-303
Calle 92 No. 21-40

EXECUTIVE OFFICES & FACTORY
Lufkin, Texas 75901
P. O. Box 849
Phone: 713-634-4421

C. D. Richards, Vice President
and Sales Manager

THE Lufkin LINE

JULY
Volume 43

AUGUST, 1968
Number 4

Published to promote friendship and good will with its customers and friends and to advance the interest of its products by the LUFKIN FOUNDRY AND MACHINE COMPANY, LUFKIN, TEXAS
Virginia R. Allen, Editor
Carolyn Curtis, Ass't. Editor



EXPORT DIVISION ISSUE

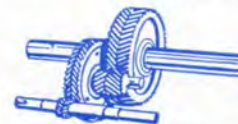
DEEP IN THE HEART OF TEXAS—HEMISFAIR—Carolyn Curtis.	4
SNAPSHOTS BY THE LUFKIN CAMERAMAN.....	8
LUFKIN INSTALLATIONS	12
ARKANSAS-BEST FREIGHT SYSTEM, INC.....	14
MORE SNAPSHOTS	16
ANTIGUA—WINTER PLAYGROUND OF THE CARIBBEAN— Victor Haagen	18
COMPUTERIZED COMFORT AT HEMISFAIR.....	20
GEORGE HENSON	21
LUFKIN LINE ASSISTANT EDITOR.....	21
LET'S LAUGH	22

COVER: Transparency by William Hamilton, Long Beach, Calif.

OPPOSITE PAGE: Mount Rushmore National Monument, Black Hills of South Dakota
—Photo by Dept. of Highways, S.D.



OIL FIELD
PUMPING UNITS



GEARS FOR
INDUSTRY AND
SHIP PROPULSION



TRAILERS
FOR EVERY
HAULING NEED

TRAILER DIVISION

Sales and Service Offices

ATLANTA, GEORGIA
1313 Sylvan Road, S. W.
Phone: 404-755-6681

BIRMINGHAM, ALABAMA
3700 10th Ave., North
Phone: 205-592-8164

DALLAS, TEXAS
635 Fort Worth Ave.
Phone: 214-742-2471

DENVER, COLORADO
5110 Race Street
Phone: 303-244-5786

HOUSTON, TEXAS
2815 Navigation Blvd.
Phone: Capitol 5-0241

JACKSON, MISSISSIPPI
Highway 80 East
P. O. Box 10935
Phone: 601-948-0602

KANSAS CITY, KANSAS
5263 Merriam Drive
Merriam, Kansas
Phone: 913-262-2202

LUBBOCK, TEXAS
709 Slaton Hwy.
P. O. Box 188
Phone: 806-747-1631

MARYLAND HEIGHTS, MO.
P. O. Box 1082
1850 Calamaide
Phone: 314-434-5649

MEMPHIS, TENNESSEE
1947 E. Brooks Road
P. O. Box 16485
Phone: 901-397-9382

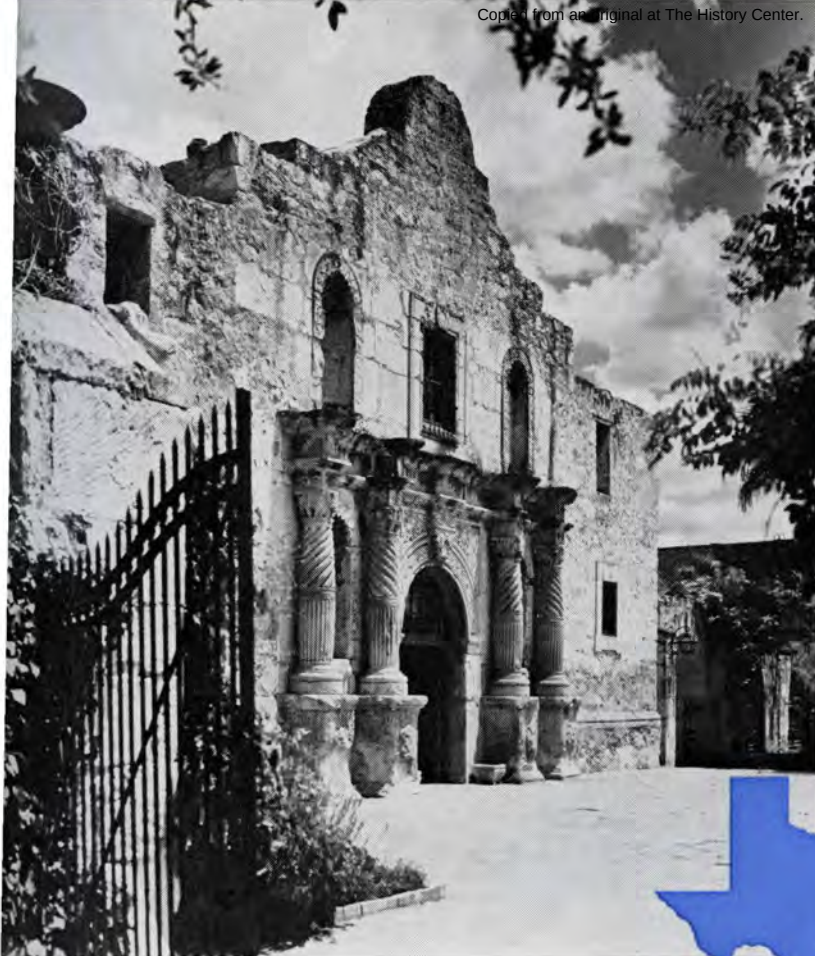
NEW ORLEANS, LOUISIANA
1835 West Bank Expressway
Harvey, Louisiana
Phone: 504-362-7575

OKLAHOMA CITY, OKLAHOMA
1315 West Reno
P. O. Box 82596
Phone: 405-236-3687

SAN ANTONIO, TEXAS
3343 Roosevelt Ave.
Phone: 512-924-5117

SHREVEPORT, LOUISIANA
U. S. Highway 80, East
P. O. Box 5473, Bossier City
Phone: 318-746-4636

EXECUTIVE OFFICES
& FACTORY
Lufkin, Texas 75901
P. O. Box 848
Phone: 713-634-4421
C. W. Alexander, Vice-President
Marshall Dailey, Fleet Sales
Jim Horn, Mgr.-Branches



DEEP in THE HEART of TEXAS... HemisFair



NO TRIP to San Antonio is complete
without a visit to the historic Alamo

By CAROLYN CURTIS

TAKE the sophistication of space age technology and the spontaneity of frontier discovery; add to this the gaiety of a festival and the flavor of international culture. The result: HemisFair, the \$156 million official 1968 World's Fair in San Antonio, Texas.

The first international exposition ever held in the southern half of the United States, HemisFair reflects our past, praises our existing accomplishments, and previews a future of infinite possibilities. To commemorate the 250th anniversary of the founding of their city, San Antonians raised the bulk of the total funds required to build the 92-acre fairground through municipal bond elections, Urban Renewal Agency Funds, and \$8 million worth of underwritings by 464 local business firms.

San Antonians have reflected further pride in the historical heritage they are celebrating by giving the downtown area and main tourist stops a face-lifting. Recipient of the 1967 award naming it "Cleanest City in the United States," San Antonio was scrubbed and polished even more in preparation for the April 6 opening of HemisFair.

Anticipating 7.2 million visitors to HemisFair, an Economic Research Associates estimate, a new airport was built and tourist accommodations went

up almost overnight. Skyscraper hotels were erected room-by-room as great cranes fitted the pre-fabricated buildings together putting into operation the latest and fastest methods of construction. Acres of downtown San Antonio were blacktopped for parking lots, some of them accommodating up to 4,000 cars. Scores of guides and pamphlets were printed directing visitors to the historic, romantic, and exciting attractions of this city so richly laden with Mexican, Southwestern, and Texan culture.

Within walking distance of the fair are the Alamo, the famous chapel standing in solemn tribute to the 188 immortal heroes who died in 1836 for Texas freedom; the Paseo del Rio, a Venice-like "River Walk" with quaint galleries and sidewalk restaurants; the Mexican Market, Spanish Governors' Palace, Main Plaza, and La Villita, all authentically restored to reflect the history and culture of San Antonio and to provide a dazzling night life of marimba bands and flamenco dancing.

With San Antonio spruced up for company, HemisFair officials began their tedious plans. The fair was in sketchy blueprint form as early as 1961, the first step being restoration of old homes and buildings which were decaying at the site of



THE TOWER of the Americas glows at night for display and air travel safety. Visitors command a 100-mile view from their vantage point 622 feet above HemisFair

INFOPLAN Photo



Left: HUMBLE Oil & Refining Company's unique film and popular exhibits are housed in this restored building of 19th century origin

INFOPLAN Photo

the future fairgrounds.

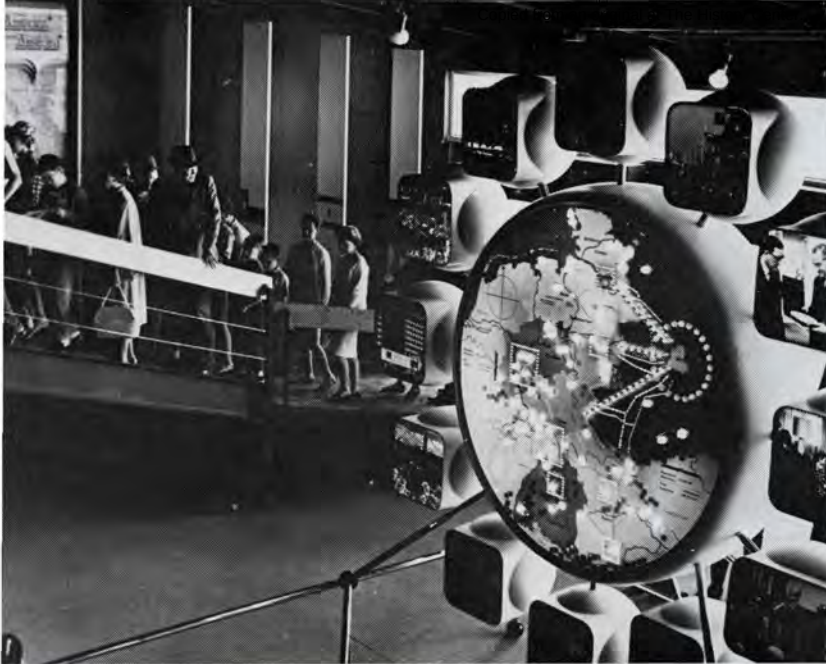
Twenty-four of these relics now represent the evolution of San Antonio's architecture from the early 18th century through the 19th century. From its inception, HemisFair has been dedicated to the preservation of a variety of structures which have stood on the site for many generations and which will revert to city ownership for civic use when the fair closes. These showcases now play action roles as foreign restaurants, tea houses, boutiques, and exhibit areas.

Next was the erection of pavilions and exhibit buildings, some built by HemisFair and rented to nations, corporations, and institutions, and some

THE "Paseo del Rio," or river walk, with nightly entertainment and scenic strolls, offers escape from the hustle and bustle of America's fifteenth largest city

San Antonio Chamber of Commerce Photo





FOCAL point of the German Pavilion is the pictured Information Machine, featuring three-dimensional, animated maps of the country
INFOPLAN Photo

designed, financed, and constructed by participating governments and industries.

HemisFair's theme is "The Confluence of Civilizations in the Americas," but international representation stretches far beyond the boundaries of the Western Hemisphere. Belgium, France, Germany, Italy, Portugal, Spain, and Switzerland represent Europe while Japan, Korea, the Republic of China, and Thailand have pavilions depicting oriental and Asian culture. Smaller, but atmospheric, boutiques and restaurants are sponsored by such far-away places as Egypt, Israel, Africa, India, Morocco, and the Philippines.

The area where foreign participation dominates is known as Las Plazas del Mundo, the plazas of the world. Eighteen governments have applied the fair's theme to representations of their culture



TRANSPORTATION facilities at the 92-acre World's Fair include a mini-monorail, lagoon cruise boats, and wide walkways
INFOPLAN Photo

with individual pavilions. Five others have joined forces to produce the Pavilion of Central America, and two dozen more are responsible for the art exhibits of the Organization of American States.

The \$6 million United States pavilion is a two-building complex joined by an open-air courtyard. Viewers may wander through the arc-shaped Exhibits Building to find the story of one nation enriched by the merging of many civilizations, which is told in audio-visual presentations, three-dimensional exhibits, and animated graphics. Across the courtyard is the marble and glass theater with disappearing interior walls and a 15 x 90-foot curvilinear screen, the only one of its kind in the world.

In Texas-style, an imposing \$10,000 million structure, which dominates the southeast corner of the fair, houses the state's comment on its own Confluence of Civilizations.

The building's purpose is summed up by R. Henderson Shuffler, director of the Institute, "Many have absorbed the phony myths that early Texans were a bunch of hell-roaring bumpkins in buckskin who came brawling across the frontier,



SAN JOSE Mission, one of four along the well-marked Mission Trail, depicts Spanish influence during the city's 250-year history
San Antonio Chamber of Commerce Photo



PICTURED with the mammoth U.S. Pavilion is Migration Fountain, consisting of 60 aluminum birds and spouting water 50 feet high
INFOPLAN Photo

shoved the Indians and Mexicans out, and settled down to shooting each other at high noon in front of the village saloon. They are apt to picture the modern Texan as a loud-mouthed wheeler-dealer in blue jeans and big hat, who fell into a barrel of oil and came up smelling like a millionaire. It seems to be about time to tell the truth about Texans, which happens to be just as colorful, just as fascinating, and tremendously more self-respecting than the myth."

Besides state and nationally sponsored exhibits, 19 industries and institutions have erected exhibits. Visitors will be amazed by the computerized age guesser at the Bell Telephone System's live show and entertained by a cast of 120 puppets during Coca-Cola's 25-minute extravaganza.

Ford Motor Company features a replica of Henry Ford's original quadricycle, and visitors to Gulf Oil Corporation's miniature freeway system will travel seven miles an hour through tunnels.

Anchoring the northwest corner of HemisFair is the three-building Convention Center complex including a banquet room to accommodate 3,000 people plus 24 meeting rooms. The permanent structure can handle 95 percent of the conventions scheduled in the United States.

Nightly stage show entertainment offers such



MEXICAN mariachis—strolling musicians—provide spontaneous entertainment and color.
INFOPLAN Photo

attractions as the Ice Capades, Henry Mancini, Sergio Mendez, the Mormon Tabernacle Choir, the Bolshoi Ballet, the Barnum and Bailey Circus, Bob Newhart, Jack Benny, Ferrante and Teicher, and two complete smash-hits from Broadway, *Man of La Mancha* and *Fiddler on the Roof*.

Individually sponsored shows include Czechoslovakia's *Laterna Magika*, rated "best of Expo '67" by Time Magazine, and *Les Poupées de Paris*, a spicy French revue recommended for adults.

To find the world's fair, simply drive to the heart of America's fifteenth largest city and look up. Dominating the fairgrounds is the 622-foot Tower of the Americas, the tallest observation tower in the Western Hemisphere and the highest permanent structure erected at an international exposition since completion of the Eiffel Tower in 1889.

The slip-form concrete tower capacitates 24,500 visitors daily via the three glass-fronted elevators carrying them to restaurants and observation decks at the top.

Allison Peery, the fair's Director of Site Development, says HemisFair is "people-designed" to take the exhaustion out of exposition-going. Transportation facilities range from the longest mini-monorail ever constructed for a world's fair to a Swiss skyride to several canals for long-distance traveling. Miles of landscaped walkways and air-conditioned connections between buildings tie together the plazas and pavilions.

The gate admission of \$2 for adults and \$1 for children are well worth the expense as is the trip to this official world's fair located deep in the heart of one of Texas' most colorful cities.



J. T. MOIR
Texas Petroleum Company
Bogota, Colombia



J. W. BEAKEY
Colombian Petroleum Company
Tibu, Colombia

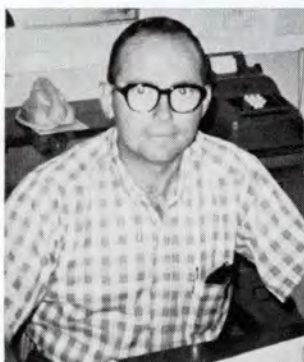


HUGO TRIBIN
Tennessee Colombia S. A.
Bogota, Colombia



HARRY SAGER, left, and JOHN LUNG
Continental Oil Co., New York, N.Y.

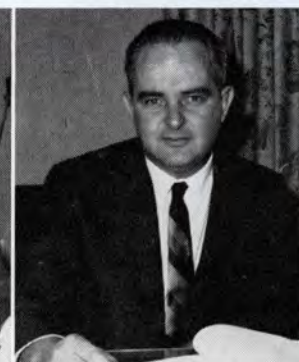
SNAPS



J. S. BROWN
Chevron Oil Co. of Venezuela
Maracaibo, Venezuela



JOE O'BRIEN
Esso International Services Inc.
New York, N.Y.



ROLAND HORSFIELD
Standard Oil Co. of New Jersey
New York, N.Y.



SANTOS JACINTO ECCA, left, and
BENITO SALAS ARANA, both with
International Petroleum Co., Talara, Peru



CLERON HENDERSON
Continental Oil Co.
New York, N.Y.



R. E. LeBUS, JR.
American Overseas Petr.
Spain, Ltd., Burgos, Spain



W. W. CIEPLY
Continental Oil Co.
New York, N.Y.



Left to right, LUIS BRAVO and
RAMON PERERO, both with PEMEX
Coatzacoalcos, Veracruz, Mexico



ANGEL VILLALOBOS TOLEDO
PEMEX, Poza Rica
Veracruz, Mexico



BILL THOMPSON, left, International Petroleum Co.
Talara, Peru, and JIM POPE
Emerson Consultants, New York



Left to right, DANIEL E. FITZGERALD,
JACINTO VEGA, both with Sinclair & B.P.
Colombian Inc., Bogota, Colombia



BERT H. GOLDING
Standard Oil Co. of New Jersey
New York, N.Y.



MILTON H. JOHNSON
Asiatic Petroleum Corp.
New York, N.Y.



D. B. CLOTWORTHY
Esso International Services Inc.
New York, N.Y.



LOU SERPA
Mene Grande Oil Company
San Tome, Venezuela

HOTS



by the Lufkin Cameraman



FELIX RENE
Texas Petroleum Company
Mata, Venezuela



LUIS MAYOR
Sinclair Venezuelan Oil Co.
Santa Barbara, Venezuela



A. SOSA
Empresa Petrolera Fiscal
Los Organos, Peru



JOHN DRAKE
American Overseas Petr.
Spain, Ltd., Burgos, Spain



MARIO TABORDA
Chevron de Venezuela
Boscan, Venezuela



JOSE MALDONADO
Creole Petroleum Corp.
Lagunillas, Venezuela



PIO RODRIGUEZ
Mobil Oil de Venezuela
Barinas, Venezuela



JOSE PEREIRA
C. V. P., San Tome,
Venezuela



FRANK SMITH
Chevron Oil de Venezuela
Boscan, Venezuela



ED LOSSMAN
Creole Petroleum Corp.
Lagunillas, Venezuela



HOMERO SALAZAR
Sinclair Venezuelan Oil Co.
Barinas, Venezuela



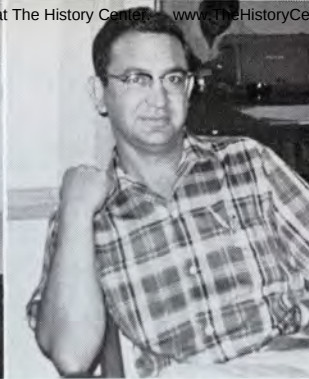
MANUEL PERDOMO
Mobil Oil de Venezuela
Barinas, Venezuela



MIKE MORRIS
Continental Oil Co.
New York, N.Y.



E. ARANGUREN
American Overseas Petr.
Spain, Ltd., Burgos, Spain



BOB YINGLING
Mene Grande Oil Company
San Tome, Venezuela



JIM THOMAS
Mobil Oil Corp.
New York, N.Y.



DANIEL NAJERA
PEMEX, El Plan
Veracruz, Mexico



A. ARANA
Mene Grande Oil Company
Lagunillas, Venezuela



ROMEO HERNANDEZ
Creole Petroleum Corp.
Quiriquiri, Venezuela



T. E. GILL
Chevron de Venezuela
Boscan, Venezuela

SNAP-
MORE



HAROLD BOMBERG, left, and
JERALD L. OAKS, Phillips Petroleum
Company, Bogota, Colombia



JIM SEARLS
Sinclair Venezuelan Oil Co.
Santa Barbara, Venezuela



GENE SAXIN
Texas Petroleum Company
Oritupano, Venezuela



CLAUDIO GOMEZ
Creole Petroleum Corp.
Lagunillas, Venezuela



MIGUEL PONCE, left, and
PEDRO GONZALES, both with Texas
Petroleum Company, Oritupano, Venezuela



JUAN ELLIS
Texas Petroleum Company
Mata, Venezuela



RICHARD DENSON
Sinclair Venezuelan Oil Co.
Barinas, Venezuela



JOHNNY HERNANDEZ
Mobil Oil de Venezuela
Barinas, Venezuela

RALPH WARD
Mobil Oil de Venezuela
Barinas, Venezuela

JOE DELLAGIARINO
Esso International Services, Inc.
New York, N.Y.

JOHN CAROUTHERS
Mobil Oil de Venezuela
Barinas, Venezuela



BILL PEDDIE
Esso International Services, Inc.
New York, N.Y.



AL SWAIN
Mobil Oil Corp.
New York, N.Y.



JUAN AROCHA
Texas Petroleum Company
Punta Gorda, Venezuela



ROSENDO MEDINA
Texas Petroleum Company
Punta Gorda, Venezuela



NERIO URIBARRI
Creole Petroleum Corp.
Lagunillas, Venezuela

SHOTS



J. D. "JIM" ELKINS
American Overseas Petr.
Spain, Ltd., Burgos, Spain



ERNESTO HILBERG
Empresa Petrolera Fiscal
Los Organos, Peru



Left to right, A. BERNAOLA, ELANO MOGOLLON
both with International Petroleum Co., Talara, Peru
and ROMAN RUESTA, Lufkin representative, Talara, Peru



IVAN SALAZAR
Phillips Petroleum Company
Morichal, Venezuela



JOSE BARRETO
Mobil Oil de Venezuela
Barinas, Venezuela



FRANCISCO LOPEZ BARRIO
American Overseas Pet. Spain, Ltd.,
Burgos, Spain



ROBERTO MARTINEZ
Empresa Colombiana de Petroleos
El Centro, Colombia



JOSE PERNIA
Sinclair Venezuelan Oil Co.
Barinas, Venezuela



PABLO MOLINA
C. V. P., San Tome,
Venezuela



R. STUMPFLE
International Petroleum Co.
Talara, Peru



GERMAN GUILLEN
Creole Petroleum Corp.
Lagunillas, Venezuela



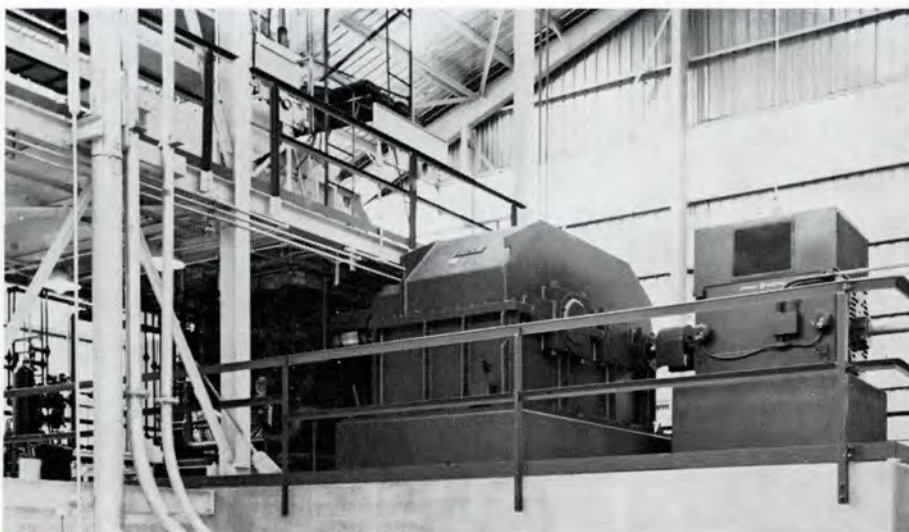
LUFKIN installations:





3

- 1 LUFKIN A-912D-192-42 Air Balance Unit with LUFKIN H-1770B Gas Engine, Mobil Oil Company de Venezuela, Oscurate Field, Eastern Venezuela.
- 2 LUFKIN A-1824D-192-42G Unit, Creole Petroleum Corporation, Bachaquero Field, Lake Maracaibo, Venezuela.
- 3 LUFKIN M-320D-213-120 Unit, Mene Grande Oil Company, Tia Juana Field, Lake Maracaibo, Venezuela.
- 4 LUFKIN DF-960 Gear Reducer, driven by 1500 HP electric motor, driving a Bolling mixer at Gulf Oil Corporation, Chemicals Department, Cedar Bayou Olefin Plant, Baytown, Texas.
- 5 LUFKIN C-320D-256-100 Unit, Well 0931, Empresa Colombiana de Petroleos, El Centro, Colombia.
- 6 LUFKIN A-456D-120-36A Air Balance Unit with LUFKIN H-795 Gas Engine, Texas Petroleum Company, Oritupano, Venezuela.
- 7 LUFKIN A-1824D-240-47 Unit, Chevron Oil Company of Venezuela, Boscan Field, Venezuela.
- 8 LUFKIN M-228D-246-86 Unit, Creole Petroleum Corporation, Bachaquero Field, Lake Maracaibo, Venezuela.



4



5



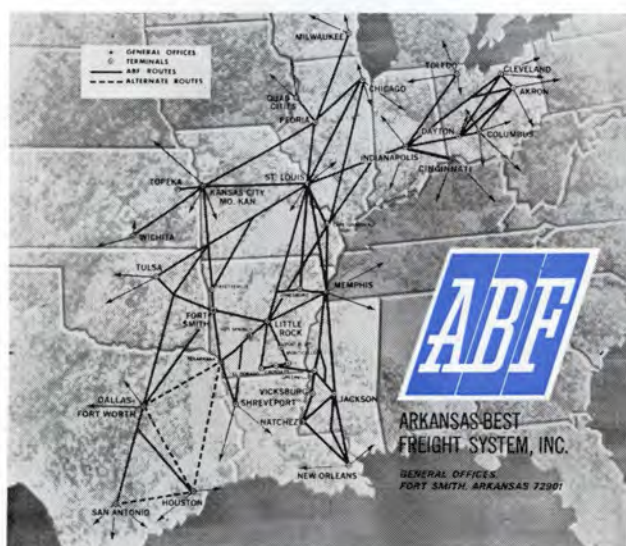
8



ONE of 19 new terminals ABF has built during the past six years. This one is located at Kansas City, Missouri.



R. A. YOUNG, JR., chairman of the Board, Arkansas Best Corporation.



ARKANSAS-BEST FREIGHT SYSTEM, Inc.

38 terminals with more than 2200 pieces of rolling stock including 1166 linehaul trailers. At the end of 1967, their gross operating revenue reached an all-time high of \$32,349,825, while their operating ratio dropped to 87.58 percent and their claims ratio fell to .69 percent.

This tremendous growth has come from the efforts of dedicated, loyal and energetic young men. J. B. Speed president of ABF, is in his mid-thirties and most department heads are in their thirties and early forties. They are specialists in their fields and haven't learned the meaning of the word "impossible."

The story of Arkansas-Best Freight System, Inc. begins in 1935, with the late Roy C. Martin as its founder. He didn't know what "impossible" meant either, and by 1951, his fledgling truck line was Arkansas' largest common carrier.

When ill-health began to slow Martin, he persuaded his personal friend, Robert A. Young, Jr., a prominent attorney and Fort Smith businessman to purchase what was then known as Arkansas Motor Freight Lines.

ARKANSAS-Best Freight System, Inc., headquartered in Fort Smith, Arkansas, has not always been one of the largest freight companies in the United States, nor one of the fastest growing trucking firms.

It started small—in size, but it has always been big—in progressive management.

Back in 1935, when Fort Smith was a city of some 36,000 residents on the western border of Arkansas, this trucking concern was founded with only \$5,000 capital stock and four pieces of equipment operating between Fort Smith, Kansas City and St. Louis.

Today, 33 years later, this company operates



J. B. SPEED, president,
Arkansas-Best Freight System, Inc.



HARRY B. FINK,
vice president—maintenance



ONE SET OF the 130 LUFKIN "doubles" ordered by Arkansas-Best Freight System, Inc.

With Young as president, the freight line grew by leaps and bounds and with the merger of his company in 1957 with Best Motor Freight, the company name changed to Arkansas-Best Freight System, Inc.

In 1958, Breck Speed joined the company as vice president of terminal operations and in December, 1966, was named president when Bob Young was made Chairman of the Board of Arkansas Best Corporation, a new holding company for Arkansas-Best Freight System, Inc., Riverside Furniture Corporation, Twin Rivers Furniture Corporation, Arkansas Bandag Corporation and Data-Tronics Corp.

In 1962, the freight company was "computerized" and management decisions then were based on computerized information, including maintenance, payroll, personnel, sales, revenue figures, etc. They now use the latest IBM 360 Model 30 and have on order an IBM 360 Model 40.

"We are proud of ABF's ratings nation-wide with other freight lines. Although in revenue size we rank 50th, we are ranked 15th in the United States in net profit and our operating efficiency ratio stands about second or third. We also have one of the lowest claims ratio in the industry," Speed said.

With the recent acquisition of CEI&I Express, Inc., approved by the ICC and consummated on June 13, 1968, ABF operates 38 terminals serving

Arkansas, Iowa, Illinois, Indiana, Kansas, Kentucky, Louisiana, Missouri, Mississippi, Ohio, Oklahoma, Texas, Tennessee and Wisconsin.

During the past six years, they have built 19 new terminals throughout their system, the latest of which is a modern facility in Jackson, Mississippi.

ABF recently placed an order with LUFKIN for 130 26-foot double bottom type vans, their first venture into "doubles." However, two sets of "doubles" have been operated as a pilot project for several months. These new trailers will be phased into the company's road fleet as additional units rather than replacements.

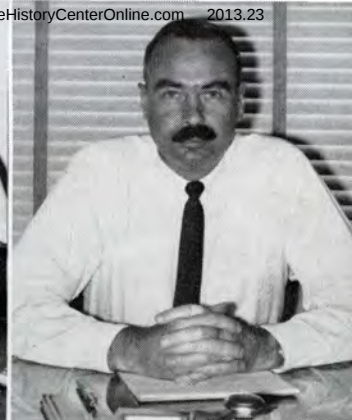
President Speed's chief aides in running the trucking company and their areas of responsibility are: Tom Harper, general counsel; F. G. Anderson, revenue accounting-purchasing; J. K. Brown, general sales manager; R. E. Curtis, customer service and safety; R. P. Dougherty, personnel and insurance; Harry B. Fink, maintenance; W. G. Karsten, industrial relations; J. H. Neal, operations; C. L. Owens, marketing; and J. D. Roebuck, traffic. All are vice presidents of ABF.

Heading the company's research and planning is R. M. Powell, and R. H. Lee directs its advertising and public relations activities.

LUFKIN is proud to count Arkansas-Best Freight System, Inc. among its friends and customers.



Left to right, ISMAEL ESCORCIA, WILLIAM GAVIRIA and MARIO BORRERO, all with Empresa Colombiana de Petroleos, El Centro, Colombia



ROBERT FAHRIG
Texas Petroleum Company
Bogota, Colombia



SAM LYONS
Texas Petroleum Company
Mata Venezuela

SNAPSHOTS

Continued



DON MCGEE
Continental Oil Co.
New York, N.Y.



JORGE PEREZ
Chevron Oil Co. of Venezuela
Maracaibo, Venezuela



ISMAEL MARTINEZ, Lufkin representative, Mexico City
HUMBERTO CHAVIRA and LUIS FELIPE DOMINGUEZ
both with PEMEX, Coatzacoalcas, Veracruz, Mexico



JUAN CHACIN
Mene Grande Oil Company
San Tome, Venezuela



Left to right, CARLOS VIEJO, O. R. IRRGANG
AUGUSTO MANCEBO, all with American Overseas
Petr. Spain, Ltd., Burgos, Spain



RUDY MARKER
Texas Petroleum Company
Mata, Venezuela



CLEM CARR
Texas Petroleum Company
Mata, Venezuela



J. A. MOLINA
C. V. P., San Tome,
Venezuela



ALVARO PUERTA, left, and HORACIO RODRIGUEZ,
both with Empresa Colombiana de Petroleos
El Centro, Colombia



L. B. "BUCK" CURTIS
Continental Oil Co.
New York, N.Y.



DON SMITH
Mene Grande Oil Company
San Tome, Venezuela



WILL CHAPMAN
International Petroleum Co.
Talara, Peru



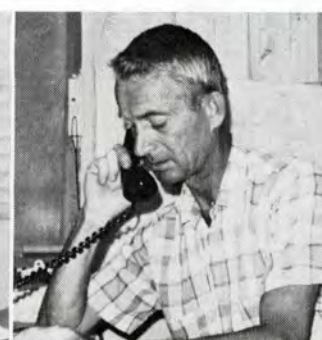
FRANCISCO ROMERO, left, and
ANGEL VADILLO, both with American
Overseas Petr. Spain, Ltd., Burgos, Spain



J. A. RIVERO
American Overseas Petr.
Spain, Ltd., Burgos, Spain



FRANCISCO RIVAS LARA
Sinclair Venezuelan Oil Co.
Barinas, Venezuela



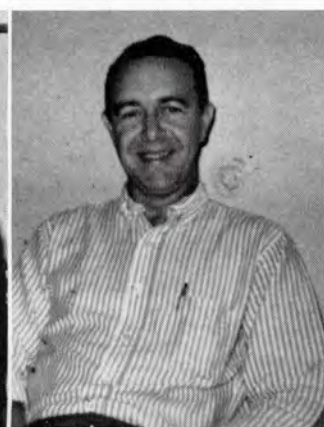
CAL WEIDE
Mene Grande Oil Company
San Tome, Venezuela



ENRIQUE VARGAS LAURRABAQUIO, left,
and VIDAL NAVA AYRENS, both with PEMEX
Poza Rica, Veracruz, Mexico



JACK BATES
Mobil Oil Corp.
New York, N.Y.



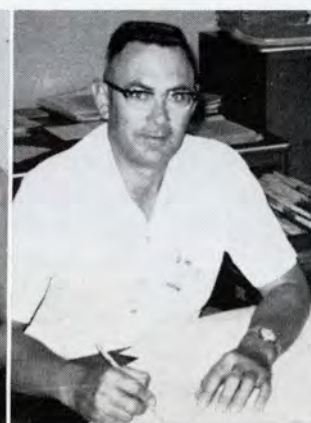
H. E. "HERB" BROWN
American Overseas Petr.
Spain, Ltd., Burgos, Spain



MIKE KERR
Mobil Oil Corp.
New York, N.Y.



FRITZ PLOEG, left, and JESUS LACHMAN
both with Chevron Oil Co. of Venezuela
Boscan Field, Edo. Zulia, Venezuela



JOE WILSON
International Petroleum Co.
Talara, Peru



IGNACIO ARMENDAREZ
PEMEX, Coatzacoalcos
Veracruz, Mexico



G. S. BENSON, JR.
Asiatic Petroleum Corp.
New York, N.Y.

Left, ROLANDO HEINZE, Lufkin representative
Mexico City; right, ANTONIO LOPEZ CHAVEZ
PEMEX, Poza Rica, Veracruz, Mexico



ART MCKENNA
Mobil Oil Corp.
New York, N.Y.



DON REYMOND
Esso International Services Inc.
New York, N.Y.



GORDON BYSTROM
Creole Petroleum Corp.
Tia Juana, Zulia, Venezuela



ANTIGUA'S highest point is Shirley Heights, providing this panoramic view

Antigua- Winter Playground

By VICTOR HAAGEN



THE RUINS of a fort reminds visitors of an era when possession of many Caribbean islands was bought with the blood of British and French troops

DURING his second voyage to the New World, Columbus sighted the island of Antigua—naming it after the Church of Santa Maria la Antigua in Seville. However, there is no evidence that he ever landed on its shores. The English came to Antigua in 1632 from nearby St. Kitts. The French overran the island in 1666, but relinquished possession in 1667, and the island has remained under British influence ever since.

Only three and one-half jet hours from New York, and 300 miles southeast of Puerto Rico, Antigua's fabulous beaches which cover practically its entire perimeter have made the island a favorite winter resort of the Caribbean. From one hotel in 1940, facilities have increased to over 27 hotels and guest houses catering to every taste and pocketbook.

Antigua is also the undisputed headquarters of the Caribbean yachting set, and almost any size, shape or description of sailing ship may be chartered at English Harbor, one of the finest, safest, land-locked harbors in the world.

Landlubbers also visit the harbor to view the



THESE 18th century ruins, huge moorings posts at Nelson's Dockyard, are reminders of the days when Britain's naval hero headquartered in Antigua

Right: NOW A MUSEUM, the Admiral's House where Nelson lived is full of artifacts and legends



of the Caribbean

spectacular re-enactment of the life of Britain's naval hero, Admiral Horatio Nelson. The recently restored British Naval Base built in the 18th century on the island's south coast served such notable figures of history as Nelson, Rodney and Hood during the Napoleonic Wars when the stronghold withstood Spanish, Portuguese, French, and Dutch invaders.

Authentically restored through the efforts of the Society of Friends of English Harbor, the dockyard today is a nostalgic replica of a romantic age of pirates, privateers and the epic of sea battles of two centuries ago. The Admiral's House where Nelson lived is now a museum, containing relics of pre-Colombian Indians and artifacts of the age of wooden ships and iron men.

Employing the French technique of *Son et Lumière*—sound and light—used effectively at such historic sites as Versailles, the Roman Forum and the Acropolis in Athens, the society stages a colorful and authentic production three times weekly during the winter season.

Seated in an amphitheater, looking down and across the entrance to English Harbor, viewers are introduced to the setting and historic back-

ground of the site by a narrator. British actors voice the words of Nelson and his contemporaries as synchronized lights and sound effects re-create the vivid exploits of Nelson's career; even a disastrous fire and earthquake are depicted.

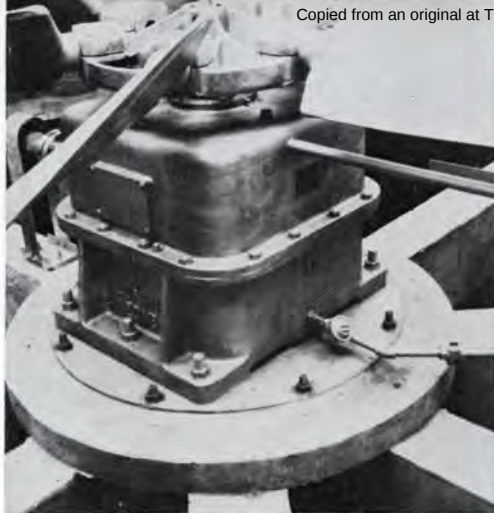
From Shirley Heights, the island's highest point, scenic panoramas of the island unfold below. Nearby the ancient ruins of a fort may be explored.

A few miles away at St. John's, the island's only town, visitors find a wide array of shops offering fine European and native wares. The casino at the Marmora Beach Hotel beckons those with a taste for the spinning wheel of chance, dice or slot machines.

Antigua is also the home of some of the world's finest steel bands. These are musical groups creating fantastic sounds from empty oil drums which have been heated and pounded into various concave shapes, producing a variety of sounds when various parts of their surfaces are beaten.

The first Monday in August signals the beginning of Antigua's carnival—nine delirious days devoted to complete abandon and gaiety, costumed parades, dances, beautiful girls—all wrapped in masquerade.

Visitors scheduling their arrival at this time are doubly rewarded. The unparalleled beauty of the island's sea, sun and sand, and the breathtaking splendor of carnival celebrating the anniversary of Antigua's emancipation in 1834, await them.



ONE of five LUFKIN 120VB Gear Reducers with temperature sensors in the slow speed bearings on the fan shaft.

Ceramic Cooling Tower Co. Photo



IN KEEPING with Spanish-influenced architecture so abundant in San Antonio, this central heating and cooling plant building adds more beauty to the city.

Bernard Johnson Engineers, Inc. Photo

ONE of the most beautiful buildings at HemisFair may not attract many tourists.

Why? Because most fair visitors do not tour utility maintenance buildings even if they do house a \$5 million central heating and air-conditioning plant, the nation's first municipally owned heating and cooling system.

But those who don't visit this installation will be missing an unusually interesting place.

This building and its fascinating equipment belong to the San Antonio City Water Board and it was the brainchild of the Board's general manager, Robert P. Van Dyke.

Bernard Johnson Engineers, Inc., a Houston consulting engineer firm, was responsible for all the engineering and architectural design for the plant and its systems, including design and programming of the computer system.

Currently, the system is supplying chilled water used to cool the buildings at HemisFair and also to serve commercial customers in the immediate area. When the curtain falls October 6 on HemisFair, the City Water Board anticipates that many private and commercial customers will be interested in connecting to the system for heating and air conditioning.

When operating at maximum design capacity, enough air-conditioning energy can be generated to cool every home in a community of 25,000.

Chilled water is produced by five 2000-ton capacity liquid chiller units located in the central heating and cooling plant. These units cool a refrigerant that chills water to between 38 and 42 degrees F. The water is then pumped through un-

Computerized Comfort at HemisFair...

derground piping and circulated through the distribution system at 150 psig by five 2,910 gpm pumps.

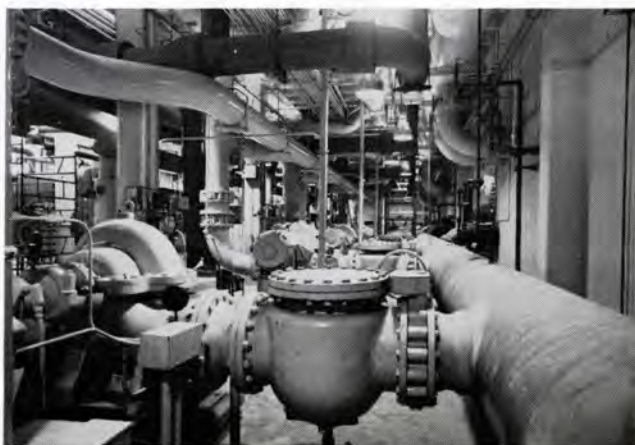
At each customer location, chilled water passes through blending and metering stations. Air handling units in each customer building circulate air over chilled water cooling coils to produce the desired amount of cooling. The water leaves the building at 54 degrees F and returns underground to the central plant for recharging and recirculating.

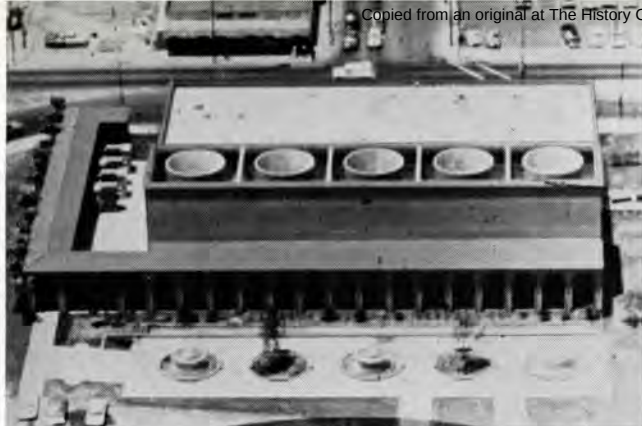
Steam is generated by two 1200 hp boilers and is supplied to customer locations through underground piping at pressures between 150 and 240 psig. Service is supplied to the inside face of the customer's building. From there the customer provides equipment and piping for heat exchange to warm the building. Steam condensate is returned to the plant by pipe.

Both systems offer several advantages over individual heating or cooling units, according to Mr.

FIVE chilled water pumps located at ground level directly beneath five chillers send 38 to 42-degree F water through the distribution system at 150 psig at the rate of 2901 gpm

Bernard Johnson Engineers, Inc. Photo





AERIAL view shows the five cooling towers atop the central heating and cooling plant which were designed by Ceramic Cooling Tower Company

Ceramic Cooling Tower Co. Photo

Van Dyke. These include lower capital requirements, greater reliability of service, minimum operation and maintenance costs, and reduced administrative and supervisory costs. Other advantages are minimized building structural loading and vibration problems, elimination of major noise producing equipment, greater flexibility for future expansion, and a predictable annual cost for cooling and heating.

After determining the feasibility of placing both the central plant and the city's existing water supply and distribution system under computerized surveillance and control by one centralized system, the City Water Board approved the purchase of an on-line or real-time computer and the engineers were authorized to write specifications.

Of particular interest to visitors of this building is the control room in which the computer is located. Variables are sensed at remote points in the system and signals are then telemetered to a central control point where they are decoded and displayed to the operator for evaluation.

Dials, switches and meters have been reduced to a minimum; however, ample instrumentation to provide an effective backup during periods of computer maintenance is included. The system is engineered to change over from computer to manual control and vice versa without elaborate, time-consuming routines. Also, the computer system is designed to handle other duties when it is not performing plant functions.

Ceramic Cooling Tower Company of Fort Worth, Texas, designed the five cooling towers for this system. LUFKIN furnished five 120VB Gear reducers to Ceramic. These 75 hp, 9.17:1 ratio Reducers were furnished complete with upper and lower bearing temperature sensing elements for remote reading by the computer.

A trip to HemisFair is not complete without a visit to San Antonio's Central Heating and Cooling Plant which is located adjacent to the exposition site.



George Henson

Funeral services for George Henson, 58, were held June 24, 1968, in Midland, Texas, following his death in an Odessa, Texas, hospital after a long illness.

A graduate of The University of Texas with a mechanical engineering degree, Henson was employed by Lufkin Foundry and Machine Company briefly after his graduation. He returned with Lufkin in 1955 as an oilfield machinery sales engineer with offices in Midland.

Later he also was affiliated with Lufkin's commercial gear sales and travelled extensively to foreign markets throughout the world. In 1965, he was transferred to London, England as manager of the eastern division of Lufkin's subsidiary, Lufkin Overseas Corporation, S.A.

In 1967, he was transferred back to Midland following Lufkin's closing the London office.

LUFKIN LINE Assistant Editor...



Miss Carolyn Curtis, a June, 1968, graduate of The University of Texas with a bachelor of journalism degree, has joined the staff of The Lufkin Line as assistant editor.

Miss Curtis was born in Fort Worth, Texas. Her family moved to Farmington, New Mexico, in 1961, where she was graduated from Farmington High School. She entered Northern Arizona University in Flagstaff where she was a student for three semesters. She transferred to The University of Texas in January, 1966.

She is the daughter of Mr. and Mrs. Tom Curtis, who reside now in Denver, Colorado, where her father is District Production Superintendent with Pan American Petroleum Corporation.

CIRCULATION THIS ISSUE: 17,169



One expectant mother to another while discussing doctors' pet answers, "Well, at least in our case, they can't say, 'It's all in your mind'."

"I won't say I'm getting old," the aging duffer told his golfing partner, "but lately my sex drive's turned into a putt."

Dear Friend:

This chain letter started with the hope of bringing relief and happiness to all tired husbands. Unlike most chain letters, this does not cost any money. Simply send a copy of this letter to six of your married friends who are equally tired, then bundle up your wife and send her to the man on the top of the list and add your name to the bottom of the list. When your name comes to the top of the list, you will receive sixteen-thousand-four-hundred-eighty-seven women and some of them will be dandies.

Have faith in this letter. One broke the chain and got his old lady back. Don't let this happen to you.

Sincerely,
A. Friend

P.S. At the time of writing, a friend of mine had received three-hundred-sixty women. They buried him yesterday and it took seven undertakers thirty-six hours to wipe the smile off his face. So, again I say, Have Faith.

"Hey, Mac, have you heard about this new bra called 'Rawhide'?"

"No, I haven't, Ray. Why is it called 'Rawhide'?"

"Because it heads 'em up and moves 'em out!"

Many fellows' idea of a good time is going places and undoing things.

Is our mind getting broader, or is our conscience stretching?

"If I told you, baby, that you had a beautiful and lovely body, would you hold it against me?"

This drunk I used to know—before he sobered up—walked up to a parking meter, inserted a coin, and upon peering at the meter, exclaimed, "Well, whatta yuh know—I weigh one hour."

Maybe we're a prude, but we say, "Down with Topless Bathing Suits!"

A man is getting old when he runs out of gas after he runs out of gas.

"What do they call a fellow who doesn't wear shorts?"

"I dunno. What do they call a fellow who doesn't wear shorts?"

"A swinger!"

Mother: (to daughter) "I don't blame you for not wanting to marry a man who snores, but couldn't you have been a little more careful in finding out?"

We understand from a friend in Arizona that an Indian gal can have a lot of fun with a beau and error.

"Daughter, that young man who walks with you through the park doesn't look very polished."

"Well, I'll have to admit he's a little rough around the hedges."

Two flies were ambling along the wall when one said to the other, "I hate to mention this, George, but your human is open."

A Go-Go girl is a girl with an asset to music.

The elderly housewife was bragging to her husband, "I can still get into the same skirts that I wore before we were married."

Without glancing up from his paper he replied, "I wish I could."

Tim and Bob were bosom pals, being born and brought up in Springfield. Tim went abroad for several months and becoming very lonesome for his pal, cabled Bob to meet him at the boat on his return.

Tim went to New York, but Bob wasn't on the boat, which made Tim mad as hops. Nevertheless, he waited for the next boat.

When Tim arrived about a week later, he found his old pal Bob raving mad at him, but he hastened to explain:

"I apologize, Bob. I had plenty of time to get that boat and was killing time walking along the Boulevard in Paris. I stopped to get a drink at the Cafe de la Paix where the tables and chairs are right out on the sidewalks—nothing like that in Springfield.

"As I sat down I noticed a very good-looking girl at another table and I'm sure she nodded to me. Now, Bob, you would never find anyone that friendly in Springfield; in Paris it's different.

"As I started to go, the waiter handed me a note from the good-looking girl inviting me to have a cocktail at her table. Now you know that would never go in Springfield.

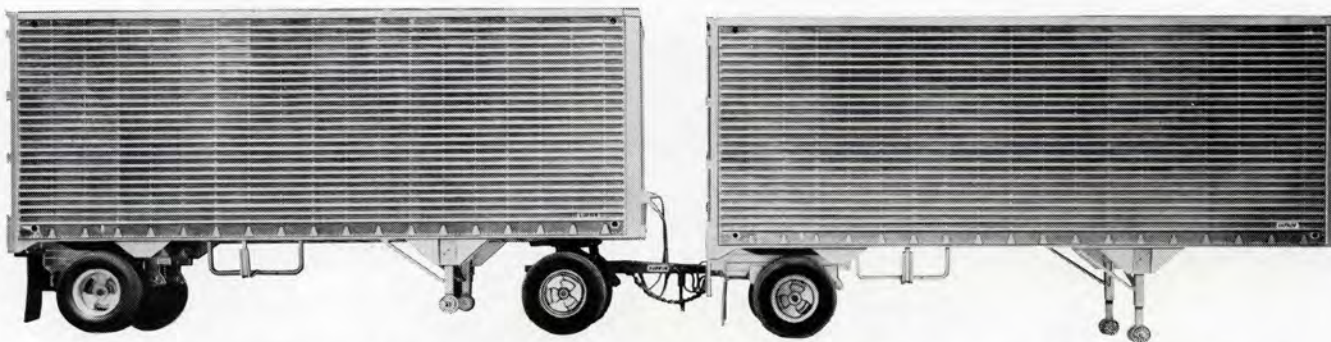
"I explained to the girl that I was returning to America and had to make the train for Brest to get my boat. She offered to drive me in her car if I would stop a few minutes at her apartment while she changed clothes. Just imagine anyone in Springfield putting themselves out for a stranger?

"Arriving at her apartment, the girl excused herself and left the room. In a few minutes, she returned. Well, Bob, she was dressed in the most beautiful silk negligee I have ever seen; nothing like that in Springfield."

At that, Tim finished speaking.

"Well, go on, what happened then?" Bob asked excitedly.

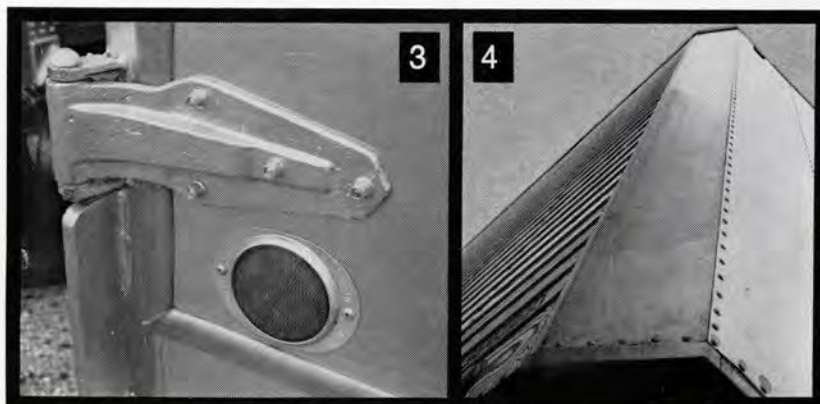
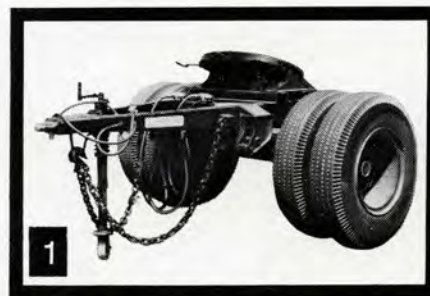
"Well, from there on," said Tim, "it was just like Springfield!"



LUFKIN DOUBLES

**... PAIRED FOR
BIGGER PAYLOAD PROFITS
... GOING AND COMING ...**

- 1 DOLLY.** LUFKIN Dolly designed for heaviest Doubles service —fabricated of $\frac{1}{4}$ " Hi-Tensile steel joined into one unified structure by arc. welding throughout.
- 2 REAR CORNER POST.** Heavy duty rectangular 2" x 4" Hi-Tensile steel rear corner posts to insure maximum stiffness and resistance to twisting and racking. Floor at rear capped with 10-gauge scuff angle on all standard LUFKIN freight vans.



- 3 HINGES AND BUMPER.** Heavy duty ductile iron hinges designed for rugged operation. Designed and manufactured by LUFKIN, pioneers in the development of ductile iron. Heavy duty $\frac{1}{2}$ " x 2" hot rolled steel bumper installed to provide maximum protection for lights and bottom hinges.
- 4 DIAGONAL CORNER.** Extruded aluminum front corner, angled to produce 56" swing radius with standard 36" kingpin. $\frac{1}{8}$ " thick wall and special posts extruded on either side as an integral part of the corner provides maximum strength at the corner to resist cargo shifts.



LUFKIN TRAILERS

Division of
LUFKIN FOUNDRY & MACHINE COMPANY
LUFKIN, TEXAS 75901

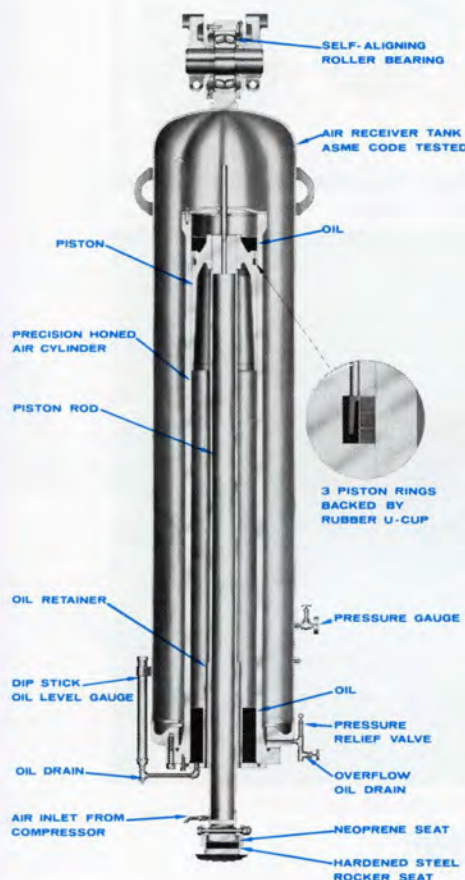
Branches In
LUBBOCK • HOUSTON • DALLAS • SAN ANTONIO
MEMPHIS • JACKSON, MISS. • OKLAHOMA CITY • SHREVEPORT
BIRMINGHAM, ALA. • ATLANTA, GA. • KANSAS CITY, KANS.

JUST A ***TWIST OF THE WRIST*** AND YOU GET PERFECT COUNTERBALANCE

WITH

LUFKIN

AIR BALANCED PUMPING UNITS



**CROSS SECTION OF
COUNTERBALANCE CYLINDER**

Perfect counterbalance easily adjusted with fingertip control. Maximum counterbalance always available.

Lower installation cost — smaller, lighter block required. Approximately 35% shorter and 40% lighter than comparable conventional units.

Due to light weight and compactness, unit is more portable and ideal for well testing.

Smaller size and lighter weight make it cheaper to transport.

Stroke lengths up to 20 feet for high volume production.

Absence of massive rotating counterweights eliminate horizontal dynamic forces, making it ideal for pier installations.

Air counterbalance cylinder instead of rotating counterweights reduces shock loading on reducer gears, thereby making for longer gear life.

Class III lever system design improves polished rod motion, giving lower acceleration at beginning of up stroke which reduces rod load and increases rod life.



**LUFKIN A-1824-240-47 UNIT
20 FT. STROKE — 47,000 LB.
POLISHED ROD CAPACITY**

You Can Relax When Your Lease
Is **LUFKIN EQUIPPED**



LUFKIN

FOUNDRY & MACHINE COMPANY
LUFKIN, TEXAS

QUALITY EQUIPMENT SINCE 1902