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FALL • 1973



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The **LUFKIN** Line

Fall, 1973 • Volume 49 • Number 3

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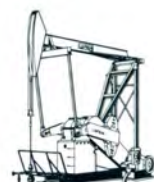


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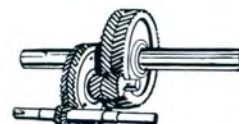


AIR BALANCED

OIL FIELD PUMPING UNITS



MARK II



GEARS FOR INDUSTRY
AND SHIP PROPULSION

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COVER: Transparency by William L. Hamilton, Munich,
West Germany

OPPOSITE PAGE: Road to East Corinth, Vermont
—Photo by Gene Ahrens,
New Milford, New Jersey

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Caracas is capital of Venezuela (top).

Inside Casa Natal, (above), birthplace of Bolivar, are paintings depicting his life.

LURE OF VENEZUELA

By Charles F. Wettach

Venezuela is becoming more and more popular with each succeeding season. Yet Venezuela still retains much of its old-world flavor and color, its original natural beauty and its charm of isolation.

Caracas, the capital city of this Caribbean republic, serves as an excellent base for those who would like to know Venezuela better. At an elevation of 3,164 feet, beautiful Caracas is worthy of its sobriquet, "City of Eternal Spring." Average temperatures run from a low of 66 degrees in

January to a high of 71 degrees in May.

Many think of Caracas as the City of Bolivar. And so they should, for the great liberator of South America was born in Caracas in 1783, much of his life was spent here and his final resting place is the great National Pantheon in Caracas.

The Caraqueños have not forgotten their native son and hero. The historical center of the city is the Plaza Bolivar; an impressive equestrian statue of *The Liberator* is nearby. Centro Simon Bolivar is the Rockefeller Center of Caracas with twin skyscrapers. The Bolivarian Museum contains what is said to be the world's most extensive collection of items pertaining to Simon Bolivar. The city's major street is multi-laned Avenida Bolivar. The nation's main street is the

Simon Bolivar Highway; one of her largest cities is Ciudad Bolivar; and the country's principal unit of currency is the Bolivar.

Casa Natal, the birthplace of Simon Bolivar and the home of his wealthy parents, is now one of Venezuela's most revered shrines. The old Spanish colonial style, punctuated by numerous patios, is very photogenic. One of the spacious rooms still displays the canopied bed in which Bolivar was born. Also at *Casa Natal* are paintings depicting important incidents in the great Venezuelan's life. In the small patio at the rear of the house, one discovers the fountain where Bolivar was baptized. The fascinating Bolivarian Museum is next door.

The Venezuelan Capitol Building completed exactly a century ago, occupies an entire city block



Capitol Building occupies entire city block southwest of Plaza Bolivar.

VENEZUELA



National Pantheon in Caracas . . . where Bolivar is buried



Fishermen off the coast of Margarita hurry in before the storm.

southwest of Plaza Bolivar. It is an impressive architectural achievement, made up of four connected buildings which surround a palm-filled central patio. Oil paintings by outstanding Venezuelan artists include three great dome murals by the celebrated Martin Tovar y Tovar. They depict scenes of the 1821 Battle of Carabobo in which Bolivar won Venezuelan freedom from Spanish rule.

The magnificent Cathedral of Caracas is another of the city's many outstanding attractions. Bolivar's family is entombed in this great cathedral which also houses some of the nation's most treasured paintings . . . *The Presentation of the Virgin at the Temple* by Murillo, *The Resurrection of Christ* by Rubens and *The Last Supper* by the well-known Venezuelan artist, Arturo Michelena.

Caracas is a city of great culture and great beauty. There's the Museum of Fine Arts (ceramics, china and works by nineteenth-century and contemporary

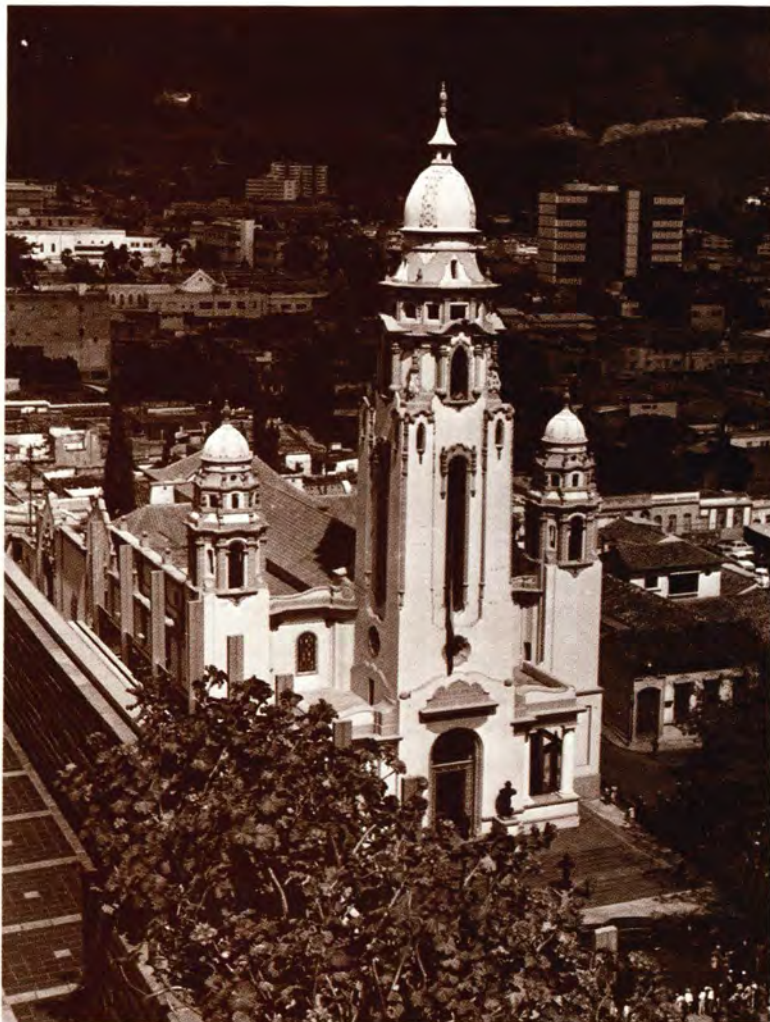
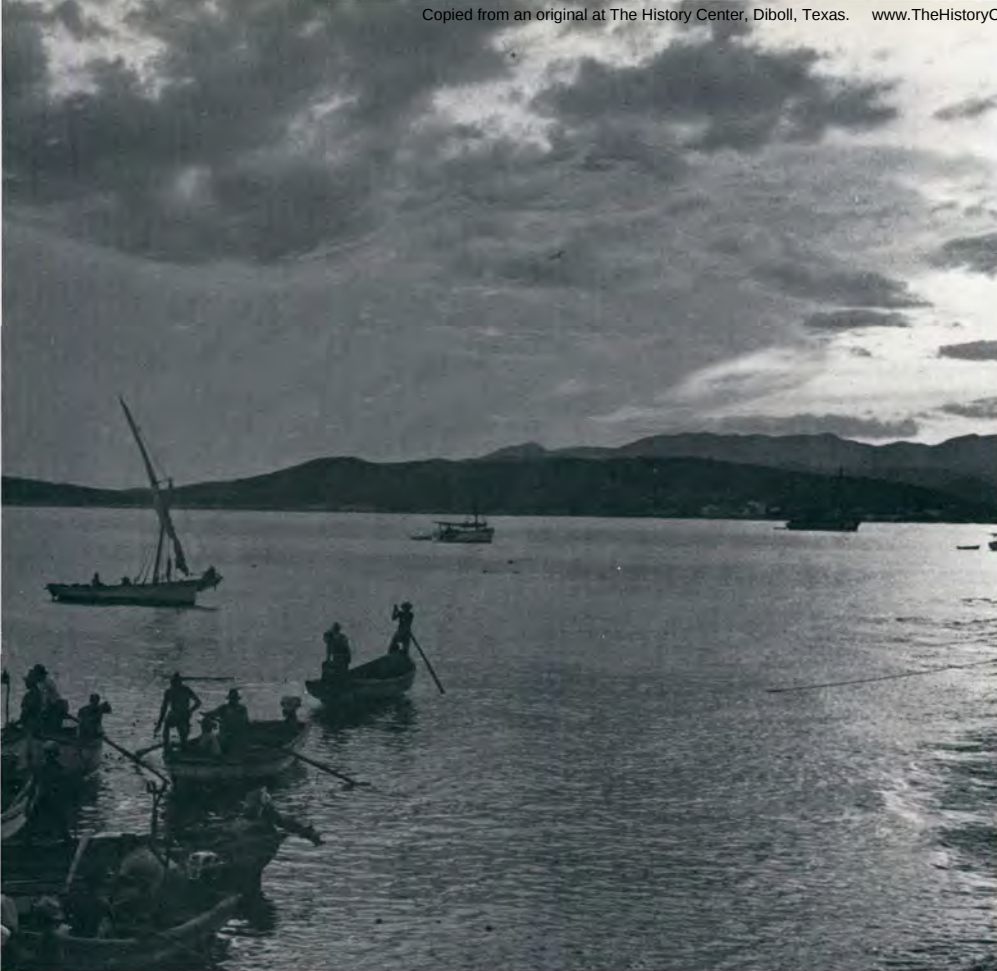
artists); the National Library (more than 300,000 volumes); the Museum of Natural Sciences (pre-Columbian and Early American archeological exhibits, ceramics, fossils, stuffed birds and animals); the Colonial Art Museum (colonial items, fountains, gardens and patios); plus several other museums. Parks are also numerous in Caracas. In addition to delightful landscaping and profuse vegetation, the parks often are enhanced further by such things as a waterfall, a zoo, a planetarium or a botanical garden.

Caracas has a modern appearance too. The Centro Simon Bolivar consists of an artistic mall and twin towers that rise 30 stories. It houses many national agencies such as The Ministries of Agriculture, Development, Health and Tourism. A three-level parking area is thrown in for good measure since eight traffic lanes of popular Avenida Bolivar pass right through the center of the Centro. University City, the ultra-

modern campus of Central University, is the principal reason this institution has become known as one of the most beautiful schools in the world.

Caracas also has modernized her outlet to the sea. Many years ago the auto trip from the capital city to its port of La Guaira was a hair-raising experience because of the narrow spiraling mountain roads which often seemed to hang out over space. The sight of occasional badly-wrecked cars, propped up at strategic points as reminders to over-enthusiastic drivers, seemed to affect only the passengers.

Today one travels the graceful four-laned \$71.5 million *autopista* between Caracas and La Guaira with its inviting nearby Caribbean beaches. Maiquetia, the modern international airport, is also served by the *autopista*. It's still a spectacular scenic drive—one of its four tunnels is almost a mile in length—but now it's a super-safe superway.



Cathedral of Valencia retains Spanish Charm



City of Maracaibo (top) has tropical look
Indian villages (above) on stilts over
Sinamaica Lagoon

VENEZUELA



Twin towers and mall of Centro Simon Bolivar.



Main entrance, (below) to University City





Island of Margarita, (above), has long been noted for its beaches.



Lake Maracaibo (top) is South America's largest oilfield. Angel Falls and Canaima area (above) surrounded by wild jungle.

There's another Caribbean resort that's convenient to Caracas. For those who prefer an unspoiled island paradise of snowy-white sands, mangrove trees, quaint fishing villages, rumors of buried treasure and breath-taking sunsets, a trip to the Island of Margarita is recommended. By plane it's only about 75 minutes from Caracas. Columbus visited *Isla Margarita* in 1498 and it has been noted for its beautiful blue-white pearls ever since. There are only a few places left in the world where one can hide away from the twentieth century. Margarita is one of these places.

There are many possible side-trips from Caracas. Another popular junket involves a drive west to Valencia over the Simon Bolivar Highway (officially a part of the extensive Pan American Highway network). The drive to Valencia leads scenically through coffee plantations and valleys overflowing with such delicious fruit

as oranges, lemons, bananas, pineapples, mangoes and avocados. In spite of its industrial success, the historic city of Valencia still possesses much of its original Spanish colonial architecture and charm. Carabobo Battlefield is nearby.

The record tells us that Venezuela was the world's third largest oil exporter in 1972, and that Lake Maracaibo is South America's largest oil field. The Maracaibo region, west of Valencia, is a fascinating one. The Lake surface, peppered with hundreds of oil rigs, is 133 miles long and 74 miles wide. Yet the actual depth of the water is so shallow, tankers could not enter the lake until a channel had been dredged in from the Gulf of Venezuela and the Caribbean.

Although quite modern, the city of Maracaibo has a definite tropical look because of its abundance of tall palm trees and lush vegetation. Just 45 minutes away,

one may photograph the Indians of a picturesque village built on stilts over the waters of Sinamaica Lagoon.

One of the most exciting trips out of the capital city of Caracas, is the flight to Angel Falls and the Canaima area via Ciudad Bolivar. The Falls, dropping a total of 3,212 feet, are the highest in the world. They are surrounded by some of the wildest and densest jungle in South America and were only discovered in 1937, by accident, when an American aviator, Jimmy Angel, flew over the area in search of gold. Some refer to Angel Falls as the eighth wonder of the world.

Venezuela is a land of wealth. It is rich in material things such as oil, pearls, gold and diamonds. But Venezuela also is rich in such things as natural scenic beauty, friendship and hospitality.

—Photos Courtesy Venezuelan Tourist Corporation

SNAPSHOTS



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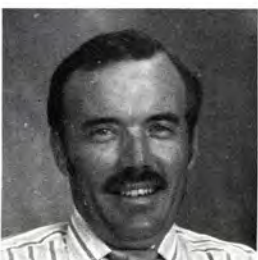
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C.V.P.
Maracaibo, Venezuela



EDWIN BROWN
C.V.P.
Maracaibo, Venezuela



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Bogota, Colombia



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FRANZ L. KEREZSY L.
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Maracaibo, Venezuela



B. L. PAULSELL
Texas Petroleum Co.
Bogota, Colombia



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left, **S. H. SULBARAN,**
center, **JOSE ACEVEDO,**
Cia Shell de Venezuela,
Lagunillas, Venezuela



**GERMAN LOPEZ de
MESA,** left, **Tennessee
Colombia S.A.,** **HUGO
TRIBIN,** Asesoria y Ser-
vicios Industriales Ltd.,
both in Bogota, Colombia



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MAX HENSLEY
Phillips Petroleum Co.
Morichal, Venezuela



FRANCISCO DIAZ
Phillips Petroleum Co.
Morichal, Venezuela



VIC SWINNEY
Phillips Petroleum Co.
Morichal, Venezuela



JEAN GERSNOVIEZ
Phillips Petroleum Co.
Morichal, Venezuela

LUFKIN INSTALLATIONS



LUFKIN A-640D-144-40 Unit, Corporacion Venezolana del Petroleo, Mata-Acema, Venezuela.



LUFKIN A-912D-144-40 Unit, Amoco Venezuela Oil Company, Morichal, Venezuela.



LUFKIN C-114D-48-14 Unit, Creole Petroleum Corporation, Quiriquire, Venezuela.



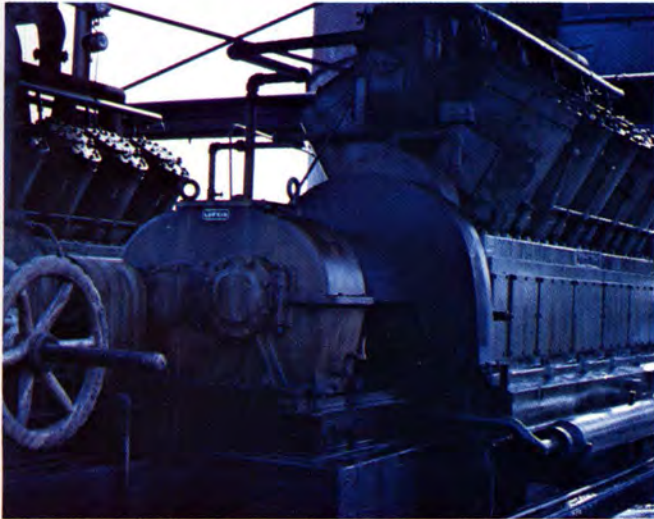
LUFKIN M-640D-356-144 Unit, Creole Petroleum Corporation, Jobo, Venezuela.



LUFKIN A-912D-192-42 Unit, Mobil Oil Company de Venezuela, Oscurote, Venezuela.



LUFKIN C-456D-120100ROX-30 Unit, Mene Grande Oil Company, San Tome, Venezuela.



LUFKIN D250C Speed Increaser, Phillips Petroleum Company, Morichal, Venezuela.



LUFKIN C-114D-143-64 Unit, Trinidad- Tesoro Petroleum Company, Ltd., Coora Field, Trinidad.



LUFKIN M-114D-143-74 Unit, Texaco Trinidad, Inc., Navette Field, Trinidad.



LUFKIN M-320D-213-120 Unit, Mene Grande Oil Company, on Lake Maracaibo, Lagunillas, Venezuela.

MORE SNAPSHOTS



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C.V.P.
San Tome, Venezuela



LUIS GARCIA
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SERGIO HILLAR
Y.P.F.
Comodoro Rivadavia,
Argentina



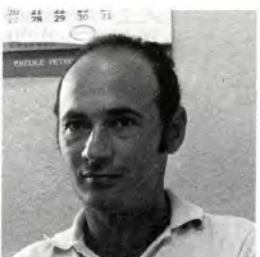
SANTOS JIMENEZ, left,
HORACIO SOLE, seated,
A. SOGBE, Mendoza,
Argentina



DANIEL FIUZA
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LUIS CARVAJAL
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ROBERT BARR
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NELSON ACOSTA
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JEAN-CLAUDE BERNYS
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LUIS RAMOS
Y.P.F.
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JORGE WHITTY
Y.P.F.
Comodoro Rivadavia,
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ADOLFO GEC, left,
DIOGENES STOCH-
ETTI, Amoco Argentina
Oil Co., Comodoro Riva-
davia, Argentina



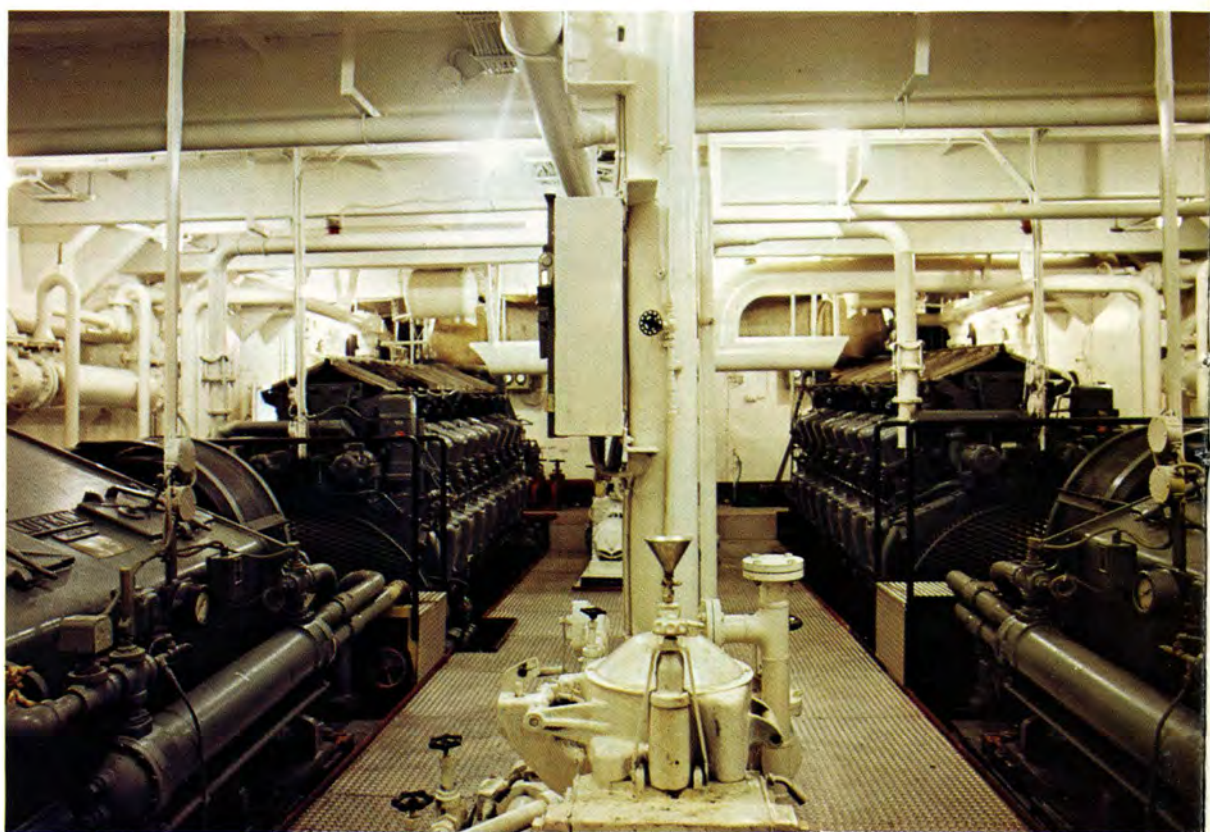
ING. JULIO FERNANDEZ
C.V.P.
Barinas, Venezuela



MEL HICKEY
Sinclair Venezuelan
Oil Co.
Barinas, Venezuela



TRUE GRIT, tug/supply vessel of the Jackson Marine Corporation, (above), hauling a 400-foot X 100-foot barge to jobsite in the North Sea. Engine Room of TRUE GRIT, (below), with LUFKIN RSQ 2S 3626 two speed reverse and reduction gears



TRUE GRIT

A TUG FOR ALL SEASONS

By Carol Kamas

IF the fuel shortage has gotten to your pocketbook recently, how would you like to buy gas for the 190,000-gallon capacity TRUE GRIT? At a modest 20c per gallon, that would cost a mere \$38,000 to fill up the tank.

The ocean tug/supply vessel, TRUE GRIT, is only one of the 33 vessels in the Jackson Marine Corporation Fleet. The 7000 horsepower class vessel is one of the newer and larger vessels owned by the company.

Since delivery in February of 1970, the TRUE GRIT has traveled over 70,000 sea miles either setting up for a job or towing marine equipment from one location to another. This figure does not include the daily humdrum mileage accumulated at a jobsite from routine duties.

Her LUFKIN RSQ 2S 3626 two speed reverse reduction gears allow for full horsepower under tow as well as her free running speed of 15 knots. Two Alco 16-cylinder Model 251 turbo-charged and after cooled heavy duty marine diesels propel the TRUE GRIT. She can obtain 128,000 pounds of bollard pull which will haul the largest 400-foot x 100-foot lay barge at over 7.5 knots.

The vessel also uses four other Detroit Diesel 8V-71 engines to power the two Delco generators,

the 200 horsepower Brunvol bow thruster and Skagit DTW-150 winch. Woodward governors are used on all JACMAC engines.

The TRUE GRIT, with the deck cargo capacity of 694 tons, offers almost twice the cargo supply service of an average supply vessel. Her twin screws and bow thruster allow for excellent maneuverability and the 250,000-pound-line pull, double drum winch and heavy duty stern roller can handle the largest positioning anchors with ease.

JACKSON Marine Corporation, a subsidiary of Halliburton since 1968, was founded in 1966 by Hugh C. Jackson, now president of the corporation. JACMAC specializes in long distance towing and provides service and support for offshore drilling rigs and construction barges under the slogan "GO EVERYWHERE, DO EVERYTHING."

With the home office in Aransas Pass, Texas, Jackson Marine operates offices around the world. They not only provide the shore-side support supervision necessary to insure successful operation of the vessels, but also provide liason with customary jobsite personnel and assure excellent relations with foreign governments.

Constant expansion of the fleet is a goal which can be met only through a continuous construction program. From drawing board through shipyard construction, to launching, sea trials and final acceptance, each vessel is closely inspected and approved by JACMAC personnel to assure that the vessels are both engineered and constructed to give top performance and service under all operating conditions.

Each operation is carefully planned, then closely followed during the progress of the job, both directly with the vessel and the shore based personnel supporting the operations to guarantee top performance and customer satisfaction.

In addition, JACMAC offers a consultant service on towing, offshore support requirements of oil companies and special design and application of vessels and equipment.

The "GO EVERYWHERE, DO EVERYTHING" Company is always seeking to improve their equipment to meet the changing needs of their clients in the Offshore Oil Industry.

Lufkin Industries is proud to have Jackson Marine Corporation aboard as a friend and customer.

LUFKIN's Plant Visitors



Left to right: HUGH GRANSALL, H. J. Gransaul & Co., San Fernando, Trinidad; ROBERT GIBBS, LUFKIN, Houston; DON O'CONNOR, H. J. Gransaul & Co., San Fernando, Trinidad; BEN QUEEN, LUFKIN, Lufkin



Left to right: GEORGE FORT, LUFKIN, Maracaibo, Venezuela; CARLOS WEIHMULLER, Lix-Klett, S.A.I.C., Buenos Aires, Argentina; R. L. POLAND, LUFKIN, Lufkin, Texas; WARREN AYRES, Elliott Overseas Co., Coral Gables, Fla.; ROBERT B. GIBBS, LUFKIN, Houston



ING. GILBERTO GONZALES, left, ING. JORGE GARCIA G., both with C.V.P., Maracaibo, Venezuela



Left to right, front row: R. L. POLAND, LUFKIN, Lufkin; TED MORGAN, Fuller Co., Catasaqua, Pa.; PAUL SCHREFFLER, Fuller Co., Allentown, Pa.; PAUL SISCO, Egan Machinery Co., Somerville, N. J. Second row: HUGH McWILLIAMS, LUFKIN, Baltimore, Md.; BOB NICHOLAS, LUFKIN, Edison, N. J.; MARVIN ISACK, Fuller Co., Allentown; ED COLE, Asiatic Petr. Co., New York City; JIM TROUT, LUFKIN, Edison



Left to right, Front row: HERMAN D. WRIGHT, Amerada-Hess, Midland, Texas; WILLIAM E. BLEVINS, Getty Oil Co., Bakersfield, Calif.; RICHARD SMELLEY, LUFKIN, Lufkin; MARCELO FREIRE, Texaco Petr. Co., Quito, Ecuador; JOSE PINZON, Ministerio de Petroleos, Bogota, Colombia; ALBERTO VILLAMIZAR, Texas Petr. Co., Bogota; CESAR A. ACOSTA, Texaco Petr. Co., Quito; MIGUEL A. LUGO, Ministerio de Petroleos, Bogota; BEN QUEEN, LUFKIN, Lufkin.

Second row: JIM ROE, LUFKIN, Houston; DON WILKES, Amerada-Hess, Monument, N. M.; PAUL PASCAL, Compagnie Francaise des Petroles, Paris; KUROSH PARSAI, Iranian Oil Expl. & Prod. Co., Ahwaz, Iran; HANS DORPH, A. P. Moller, Copenhagen, Denmark; REMIGIO GIACOMEL, Amoco Argentina Oil Co., Comodoro Rivadavia, Argentina; YOON BAE KIM, Korea Petr. Inst. Dev. Ctr., Seoul, Korea; RAGAA FARAHAT, Amoco Intl-GUPCO, Cairo, Egypt; DAVID TURNER, Exxon Corp., U.S.A., New Orleans, La.; BRODJOLOEKITO TOERIDO, Pertamina, Palembang, Indonesia; LUTHER TACKETT, LUFKIN, Kilgore, Texas.

Third row: BOB GIBBS, LUFKIN, Houston; BEN ELLIOTT, LUFKIN, Lufkin; KEN BROWN, Texas Pacific Oil Co., Odessa, Texas; GABRIEL I. GARCIA, Mobil Oil Corp., Bakersfield; STEFANUS SOERONO, Pertamina, Jakarta, Indonesia; NORBERTO J. MOTETTI, Amoco Argentina Oil Co., Comodoro Rivadavia, Argentina; JAMES YORBA, Getty Oil Co., Taft, Calif.; RICK HURST, West Australian Petr., Perth, West Australia; K. D. WILLOUGHBY, Amoco Prod. Co., Tyler, Texas; LOUIS LLOYD, LUFKIN, Lufkin; PAT HERRINGTON, LUFKIN, Lufkin; N. E. HERRINGTON, School of Production Tech., Kilgore.

Fourth row: DON STANLEY, LUFKIN, Houston; B. L. COUCH, Sun Oil Intl., Inc., Philadelphia, Pa.; DESMOND L. CROOKS, Texaco Trinidad, Inc., Trinidad, West Indies; BILL HAYS, General Crude Oil Co., Snyder, Texas; FRED F. ABRAMSKI, General Crude Oil Co., Dayton, Texas; MILTON WALTHER, LUFKIN, Lufkin; ALLAN McCOY, Amoco Prod. Co., Alvin, Texas; DAVID CHRISTIAN, Texas Pacific Oil Co., Ardmore, Okla.; R. L. POLAND, LUFKIN, Lufkin; FRED MORROW, LUFKIN, Lufkin; DOUGLAS THOMPSON, LUFKIN, Lufkin.

Lufkin Laffs

A mousy little bookkeeper was terribly frightened by his boss. One day he told a fellow worker that he really felt badly, and his friend suggested that he go home.

"Oh, I couldn't do that," he said, "The boss would fire me."

"Don't be silly," said his friend. "He'll never know. He's not even in today."

Convinced that there would be no trouble, the little bookkeeper went home. As he approached his house, he looked in the window and there was his boss kissing his wife. He raced back to the office, and rushed up to his friend. "A fine friend you are!" he shouted. "I nearly got caught!"

And people who live beyond their means, should act their wage.

Hear about the two peanuts who took a walk in the park?

One was a salted.

Which reminds us of the young man who went to his mother and cried, "I was away for three days on a business trip. I wired my wife I'd be home last night and when I got there I found her in another man's arms! Why, Mother, why? You're a woman—tell me why."

After a moment's silence, the mother replied, "Maybe she didn't get your wire."

The saddest words
Of tongue or pen:
"We just sold Junior's
Buggy when"

When the newlyweds boarded the train, the embarrassed groom tipped the porter liberally to not disclose that they were just married. Next morning, on the way to the diner for breakfast, they were greeted with many grins, stares and craning necks.

Furious, the groom upbraided the porter.

"No, sir, boss," George replied. "I didn't tell 'em. When they asked if you were just married, I just said, 'No, sir, they're just good friends.'"

Co-ed on shopping tour, "Where can

I get some silk covering for my settee?"

Floor Walker, "Lingerie—next aisle and to the left."

A sense of humor is what makes you laugh at something that happens to somebody else which would make you mad if it happened to you.

Some girls will go along for the ride, but the ride they go along for doesn't begin until after they're parked!

"How much do you make?"

"I hate to say, but the guy next door cashes my paycheck and he's on welfare!"

It's better to be too young to quit than too old to begin.

The handsome young man walked in a drug store that was operated by two old maids and said, rather sheepishly, "Every time I see a woman, I want to hug and kiss her and make passionate love. What can you give me for it?"

The old maid leaned over to the other old maid for a brief whisper consultation and then replied, "My sister and I will give you six hundred dollars and the drug store!"

"Remember, I never asked to be born!" cried Junior.

"Certainly not," said his father, "but I hardly thought you'd have wanted to stay where you were at the time."

A minister advertised for a handyman, and next morning a neat young man rang the doorbell.

"Well, young man," asked the minister, "can you start the fire and have breakfast ready by 7 o'clock?"

The young man thought he could.

"Can you polish all the silver and wash the dishes and keep the house and grounds tidy and neat?" was the next question.

"Look, Reverend," protested the young man. "I came here to see about getting married, but if it's going to be anything like that, you can count me out right now."

On his way home one day, a recently married young man spied a book entitled "Forty Ways of Mating." He hurried in and bought the book without a second glance. While giving him his change, the clerk remarked, "I don't understand the sudden popularity of this book. It's outselling all our others, and I didn't even know so many people played chess."

When you're in bed with a woman and your breath comes fast, your pulse races, your eyes smart, your ears ring and your heart suddenly stops, ask yourself this question: Is it really love, or did her husband just hit you over the head with an andiron?

If her lips are on fire, and she trembles in your arms, give her up, man—she's probably got malaria.

Anyone who thinks the split miniskirt is new, never wore a hospital gown.

Poor Salesman Sam! The other night he jumped into a cab and the lady driver asked, "How far do you want to go?"

His case comes up next week.

America is still the land of opportunity. A man can start out digging ditches and wind up behind a desk—if he doesn't mind the financial sacrifice.

The piano salesman stopped along the country road and asked a farm woman, "How do I get to Mrs. Stowers?"

The farm woman answered, "Well, the best way would be to wait until Mr. Stowers has gone to the field for the day . . ."

Two ladies were discussing what they would wear to the country club dance.

"We're supposed to wear something to match our husband's hair," said Mrs. Jones, "So I'll have to wear black. What will you wear?"

"Goodness!" gasped her neighbor, "I don't think I'll go!"

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