



BIG PUDDLE---Refinery Senior Engineer H. A. Arnett goes over calculations to determine just how much water must flow into the area in front of him to lift off the ground and float the huge 125,000 barrel gasoline storage tank at his right. The situation which required this interesting computation was that several storage tanks had to be relocated from their site in the tank farm to make a cleared area for a Shell Chemical facility. Two tanks have now been moved and the others are scheduled to be relocated in the near future. It was decided that the most feasible method to move the tanks was to "float" them to their new location. To describe what happened, the "experiences" of one tank will be given. The first step for such an endeavor was to build a canal deep enough to: first, contain enough water to lift the tank from the ground where it had been for years; and second, wide enough for the 150-foot wide and 40-foot high tank to be moved down. See page 3 for more pictures about this project and to see how the task was accomplished.

P. C. MOORE AND C. B. GOODSON TO STAFF
HAVE BEEN APPOINTED OPERATIONS FOREMEN



MOORE



GOODSON

Two Refinery operators have been appointed to staff positions. P. C. Moore, an Operator No. 1 in the Catalytic Cracking Department, and C. B. Goodson, an Operator No. 1 in the Utilities Department, have been appointed Operations Foremen in their respective departments, according to their department managers.

Pat Moore was born in Washington, D.C., and attended school in St. Louis, Missouri. He served in the United States Army from 1941 until 1945, where he attained the rank of Sergeant. He joined Shell in 1946 here at Houston Refinery, where he has worked mainly in the Thermal and Cat. Cracking Departments. He progressed through the various job classifications until he became an Operator No. 1.

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SHELLEGRAPH



HOUSTON
REFINERY



No. 263

Friday, November 17, 1967

EMPLOYEES OFFERED MERCHANDISE

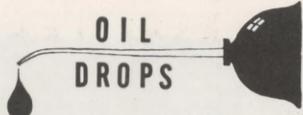
Shell's Fall promotional credit card mailing, offering name-brand items of outstanding value, is being mailed to more than three million credit card holders.

Employees with a Shell credit card will receive a brochure describing a Sunbeam Cordless Toothbrush, one of four items being offered in the broad scale promotion, but may purchase any of the other items described below.

Although not eligible for prizes offered in the sweepstakes contest mentioned in the mailing, all Shell employees are welcome to order the merchandise by processing a regular order card.

Merchandise being offered in the Fall promotional credit card mailings are: Longines Symphonette World-Traveler four-bank (AM, FM, marine and short-wave), 15-transistor portable radio. An AC-DC adapter is available as an option. The

(Continued on Page 2 - See ITEMS)



BOB SANFORD, son of Operator No. 2, Lube Oils, L. E. SANFORD, was honored by the Pasadena Optimist Club as Sam Rayburn's Junior Optimist for the month, recently. Bob is vice-president of the Honor Society at Sam Rayburn High School, president of the Youth for Christ group, a member of the Interact Club, and Mu Alpha Theta. He received an Academic Excellence Award during his freshman year and plans to attend the University of Houston to study biology.

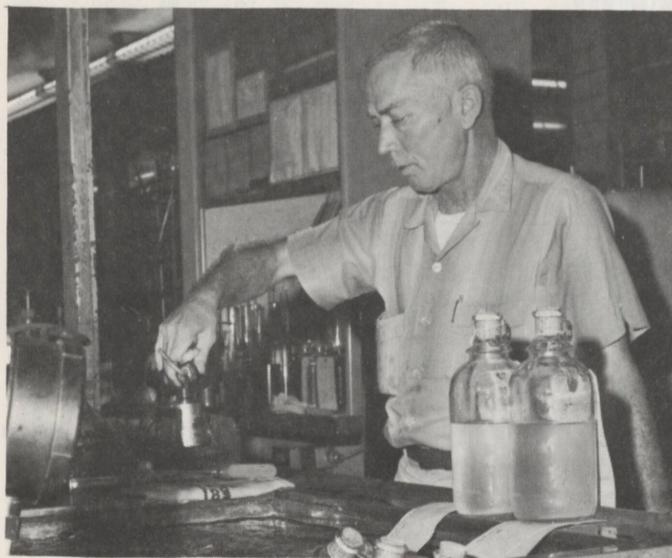
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ROGER HUFFMAN, 14, son of T. C. HUFFMAN, Instrumentman No. 1, was the winner of the high point trophy award at the annual events day and barbecue, held by the Deer Park Riding Club recently. Also the winner in his own age group, Roger received a trophy for this award. He rode the family's gaited mare, Pixie. At the recent annual awards night held by the riding club, Roger was awarded the Sportsmanship Award of the Year, an engraved belt buckle.

* *

SANDI MARIE BRINKMAN, daughter of Houston Refinery's H. C. BRINKMAN, received a Business Press Fellowship in the Journalism Development Scholarship program at the University of Texas' Journalism Honors Day. She was among the students receiving a total of \$18,000 in scholarships, fellowships, grants, and other awards for the fall semester. Her father is a Medium Equipment Operator in the Engineering Field Department's Automotive group.

REFINERY PEOPLE AT WORK



VAPOR TEST---M. C. Berryhill, Special Tester, in the Refinery Laboratory, runs a Reid vapor pressure test on a sample of gasoline. This test is run on the various blends of gasolines as well as on many intermediate products. A sample of the item to be tested is placed in a metal tube which is put in 32 degree Fahrenheit water to bring the product to a no vapor pressure stage. The container is then heated to 100 degrees and the vapor pressure is noted.



REPRESENTED BUSINESS ON B-E DAY---The group of Refinery employees above visited the Houston Independent School District on Business-Education Day last week. From left to right are E. H. Mergens, Manager Distilling; D. M. Geehan, Group Leader, Research; J. E. Nicholson, Manager Engineering Office; W. D. Loveless, Manager Utilities; and R. J. Swofford, Manager Construction Offsite, Engineering Construction.

ITEMS - Continued from Page 1

radio costs \$39.96 plus \$2.50 postage and handling; the adapter is \$3.50.

Sunbeam HWT Cordless Hygienic Toothbrush, including six replacement toothbrushes, for \$11.88 plus \$1.62 postage and handling.

Ram "Fury" Electric Portable Circular Saw, 7-1/4-inch blade, 5,000 r.p.m., 1-1/2 horsepower motor. Cost is \$19.96 plus \$2.49 postage and handling.

Shetland Lewyt Vacuum Cleaner. This vacuum cleaner will rewind its own cord, has power dial control and will store in one square foot of space. Price is \$29.94 plus \$2.75 postage and handling.

Shell employees who wish to order any of the above products should send their requests to: Shell Oil Company, P. O. Box 80, Tulsa, Oklahoma 74102. On a separate sheet of paper print your name and full address, including zip code. Mention that you are a Shell employee and list the products and quantity you want. Attach a check or money order for the full amount of the merchandise.

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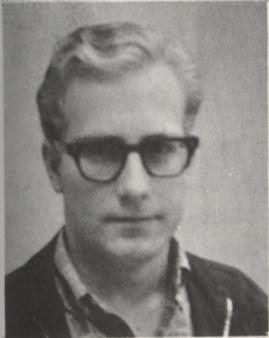
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P. H. FISCHER---Editor

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SHELL: IN THE GULF OF MEXICO
WE'RE NUMBER ONE

- . in the number of drilling rigs in operation
- . in the number of producing wells
- . in the amount of oil produced
- . in the depth of water under which oil is produced
- . in the undersea technology, which makes all the foregoing possible.



WELCOME TO SHELL

PAUL B.
LAUGHLIN
Laboratory Assistant
Research

PERSONNEL CHANGES

- S. E. Kotal - From Operator #2 to Operator #1, Lube
- C. S. Guidry - From General Hlpr., Engr. Field, to Fireman, Gas-Thermal Cracking
- S. P. King - From Operator #2 to Operator #1, Lube
- D. P. Condon - From Dockman #1 to Pumper/Gauger, Lube
- M. E. Goforth - From Pumper/Gauger, Dispatching, to Rackman, Lube
- G. A. Mancill - From Operator #2, Gas-Thermal Cracking, to Operator #2, Lube
- R. W. Russ - From General Helper, Engineering Field, to Rackman, Dispatching
- C. McClesky - From General Helper, Engr. Field, to Fireman, Gas-Thermal Cracking
- M. E. Parrish - From Fireman to Operator #2, Gas-Thermal Cracking
- L.D.G. Levy - From Operator #2 to Operator #1, Cat. Cracking.
- C. F. Risinger - From Pumper/Gauger to Operator #2, Lube

STAFF - Continued from Page 1

Clyde Goodson joined Houston Refinery in 1947 in the then Gas Department and worked in several departments during his career. He held various job classifications and joined the Utilities Department in 1963 as an Operator No. 1. He was born in Montgomery County, Texas, and attended school in Splendora and Daisetta, Texas. Serving in the United States Air Force from 1943 until 1946, he was stationed in California.

CLASSIFIEDS

FOR SALE

16 cu. ft. upright freezer by Carrier. Over 500 pound capacity. Good condition. \$125.00

Telephone - PA-3-0740

1963 Ford Galaxie V-8. Automatic and air. Good tires, clean.

Telephone - HU-7-0804

Bass Boat 13 Ft. Glass Magic Nomad Speedster (Skeeter Style) Mercury Wizard 12HP. Remote controls and steering on Chris-Craft small wheel trailer - New spare tire - Extra props.

\$300.00

Telephone - PA-3-0740

Surf Board 9' 8" Makco. Good condition. \$35.00

Telephone - HU-7-0804

Pirogue - 12 Ft. Marine Plywood. Good shape.

\$35.00

Telephone - PA-3-0740

8 Ft. Fiberglass camper, sleeps four, intercom, closets and storage drawers, 12 bolt lights.

Telephone - 946-7460

Maytag Gas Dryer. Electric controls. 1-Yr. old.

\$150.00

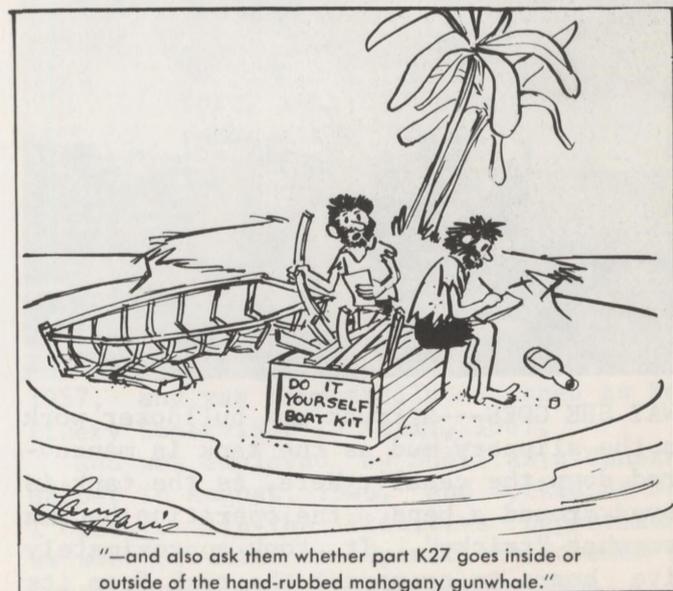
Telephone - GR-2-7602

14' Fiberglass Lone Star boat with 40hp Selectomatic Evinrude motor. Galvanized trailer. \$75 equity - Pick up 20 payments at \$60, includes interest.

Telephone - HU-7-1565

What to buy the kids for Christmas? Surprise them with a PUPPY! Registered A.K.C. German Shepherds will be 7 weeks old at Christmas.

Telephone - HU-5-3064 after 6 p.m.



"—and also ask them whether part K27 goes inside or outside of the hand-rubbed mahogany gunwhale."



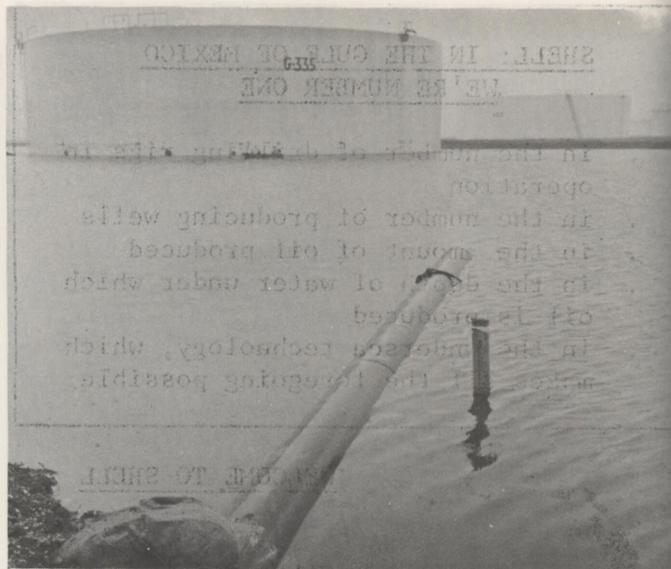
WE NEED THIS MUCH WATER---Senior Engineer H. A. Arnett marks the spot on the measuring stick to indicate how much water (30 inches) must be in the canal to lift the tank from the ground. The water in the canal then needed to be raised to a height of four feet to permit the tank to be moved down the canal. Approximately 9,000 cubic yards of dirt were moved to build the 1200-foot long canal.



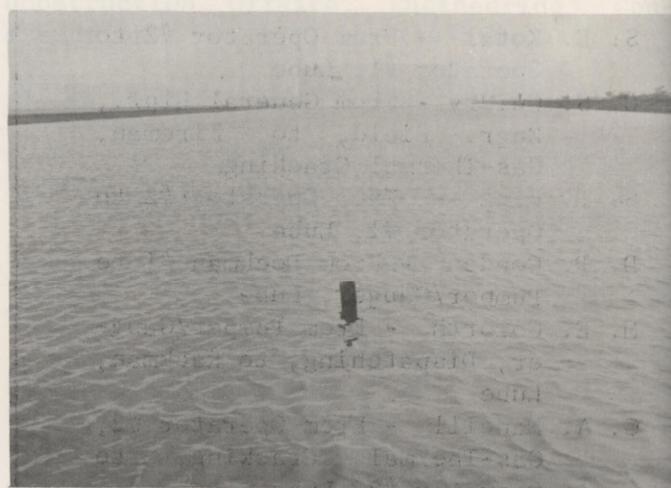
FILLING CANAL---Water creeps toward the end of the canal where the tank was finally placed after its trip. The water began flowing into the reservoir on a Friday and on the following Tuesday morning, there was sufficient water to begin the moving operation.



AWAY SHE GOES---A truck and bulldozer work in the slippery mud as the tank is maneuvered down the canal. Here, as the tank is moved around a bend, the operation became somewhat "tricky". It took approximately five hours to transport the tank from its original site to its resting place.



THIS IS HOW MUCH WATER WE GOT --- When the tank was ready to be moved, about 10,900,000 gallons of water had been put into the temporary canal. That day, and the day before, it rained, creating a slippery and muddy area in which to work. The tank was moved about 1200 feet, and, in the photo above, it was about one-fourth of the way to its destination.



WATER, WATER, EVERYWHERE---Looking from the end of the canal toward the tank gives the impression of seeing a large lake. After the project was completed, the nearly 11 million gallons of water were drained.



TIED DOWN AND READY TO GO---Two large trucks, front and at right rear, as well as a side boom caterpillar tractor, at right, are in position as the canal fills with water. These vehicles were connected to the tank to hold it stationary until the tank was ready to be moved. For the actual moving of the tank, a complement of two side boom caterpillars and two bulldozers were used.