

4 CAT FEED HYDROTREATER INVOLVED IN TWO "FIRSTS" -- RECEIVES NEW CATALYST AND USES NEW BINS
NEW METHOD OF CHANGING CFH CATALYST SAVES TIME AND MONEY FOR HOUSTON REFINERY OPERATION



CATALYST UP IN THE AIR -- A 1,200 pound bag of new catalyst for the Cat Feed Hydrotreater is being lifted by a crane to the top of the 55 foot high CFH reactor, at left behind crane. For more pictures of this operation see page 3.

Houston Refinery's Cat Feed Hydrotreater had the distinction of being involved in two "firsts" recently. It was the first time that the catalyst in the unit had been replaced with new catalyst and it was also the first time that use was made of new aluminum bins for the catalyst removal.

Since the unit began operating in July, 1964, the same catalyst has been used, although it has been regenerated, removed with screening, and replaced. Early this year, however, over 420,000 pounds of new catalyst -- a nickel molybdenum compound -- was placed into the facility. The old catalyst was removed by using 20 of 40 new aluminum containers or bins. Use of these bins makes handling the product safer and easier. They have circular openings on top, about 36 inches in diameter, through which the used catalyst is poured into the bin. A fork lift then carries the six ton load to a railroad car where the bin is unloaded via a sliding panel at the bottom.

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SHELLEGRAPH



No. 225 Friday, February 24, 1967

HOUSTON REFINERY HOSTS TWO JOURNALISTS DURING JOURNALISM DAY IN HARRIS COUNTY

Two high school journalists who are the co-editors of their high schools student newspaper visited Houston Refinery Wednesday, February 15, as part of their journalism day program. Carol Orr and Jim Bradley, both residents of Pasadena and senior students at Sam Rayburn High School spent Wednesday morning with the SHELLEGRAPH editor.

After spending the morning with some communicator, the 80 student participants gathered for a luncheon and wrote an essay on what they had done and learned during their visit with journalists. The top winners (in the essay writing) won trophies.

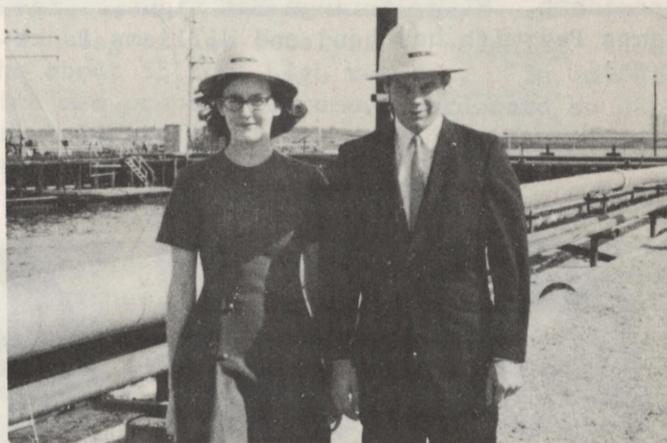
(Continued on page 2 - See VISITORS.)

TUNE IN RADIO!

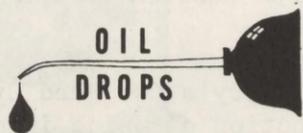
Refiners, listen to radio station KWBA (Baytown) for the Regional basketball play-off between Deer Park and Memorial High Schools tonight at 7:15 p.m. Shell Houston Refinery and Chemical Plant are the co-sponsors for the broadcast.

TEXAS PUBLIC SCHOOLS WEEK

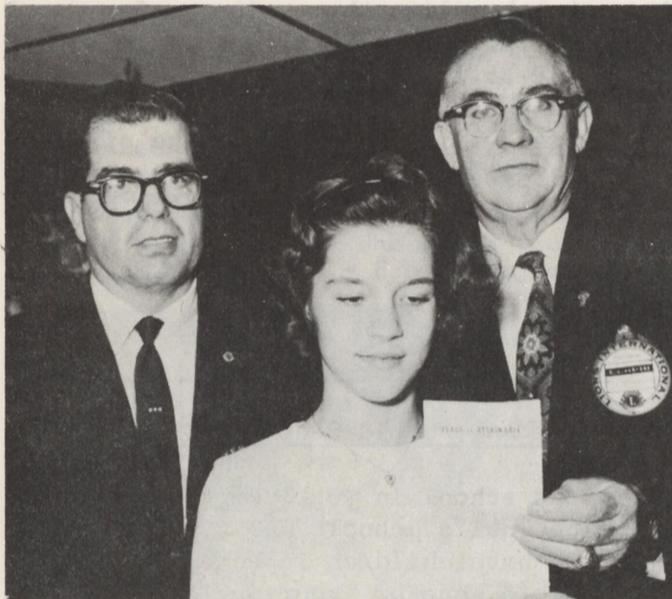
Visit a school in your neighborhood during Public Schools Week. Whether you have children in school or not it's one of your duties as a citizen to assure the youth of today the best possible education. You will be delighted at the improvements which have been made in our public schools to keep pace with this space age. Our Texas Public School System is a shining example of progress. Visit your school during Texas Public Schools Week, March 6th through 10th.



HIGH SCHOOL EDITORS--Carol Orr and Jim Bradley visited the Refinery as part of the Journalism Day activities in Harris County on February 15. They are co-editors of the Sam Rayburn High School (Pasadena) student newspaper. About 80 high school youths participated in the annual program to inform potential journalists about the opportunities in the communications field.



OUTSTANDING YOUNG MAN -- Shell Refinery employee, FLOYD SODERSTROM, was recently named as the Outstanding Young Man in the Community during the Deer Park Jaycees' Annual Bosses' Night Banquet. Floyd is a Research Engineer at the Houston Research Laboratory. Another Shell man, Jerry Caughlin, who works in the Houston E & P Area, was named Boss of the Year. The banquet was held for the purpose of stressing good citizenship and to familiarize each employer with the purpose of the Jaycees in the community.



EMPLOYEE DAUGHTER WINS ESSAY CONTEST -- During a recent essay writing contest for Pasadena schools conducted by the Pasadena Lions Club, PEG GAULT, daughter of S. D. "Si" Gault, (he's a Tinner No. 1 in Engineering Field) won the first place award for the eight grade. She is a student at San Jacinto Intermediate School and her prize was a \$25 bond. She was sponsored by L. O. Williams, Assistant Principal at the school. In the photo, Lions Club President, R. W. Akridge at right, presents Peg with her bond and Williams is at left.

WELCOME



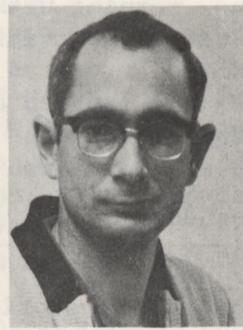
JAMES L. HOLLIS
Lab Assistant
Research



FLOYD I. SHOWS
Lab Assistant
Research



LUIS MARCELIN
Engineer
Eng. Serv.



DON L. RYLANDER
Lab Assistant
Research



RICHARD E. FRUIT
Research Chem.
Research

ROGER BELL NAMED TO SENIOR ACCOUNTANT

Roger W. Bell, Senior Clerk in the Treasury Department has been named to the position of Senior Accountant.



He was born in Kensington, Pennsylvania and attended the University of Houston after coming to Texas. He joined Houston Refinery in 1951 as a Clerk and worked in several Departments among which were Treasury and Cat Cracking. In 1956 he

became a Material Expediter and in 1958 a Senior Clerk.

Roger is married and he and his wife, Dorothy, have one child, a son Mike, age 10. They live in Highlands, Texas.

MRS. BILL MILLS WINS VAPONA

Mrs. Bill Mills, wife of P & IR's W. M. Mills, won the Shell VAPONA No-Pest Strip by guessing closest the weight of last year's Shell calf scramble winners' calves. Her guess of 1680 pounds was closest to the actual weight of 1735 pounds.

VISITORS - Continued from page 1.

phies, and this year the winners were those who had visited television studios.

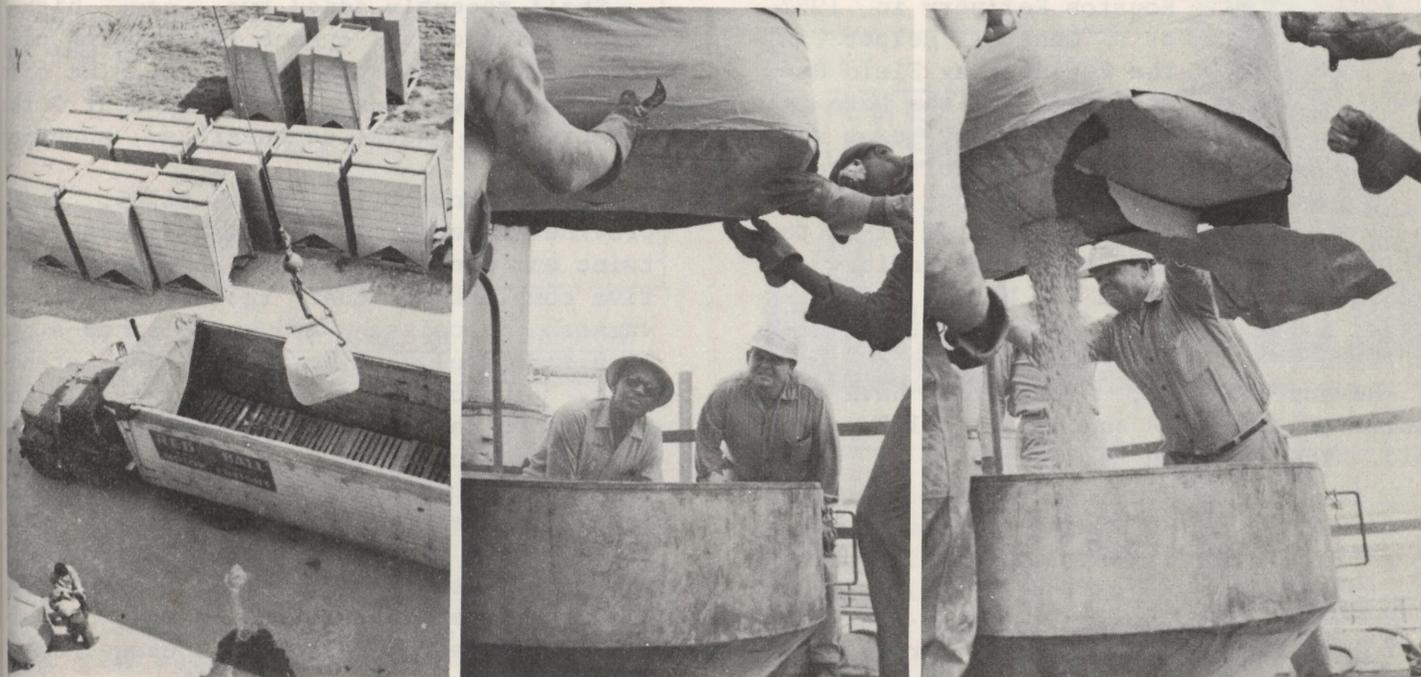
When quizzed about their visit to Houston Refinery, Carol and Jim had the following to say.

"On my visit to Shell, I was impressed by the immensity of the plant. The measures to prevent pollution and the cleanliness of the plant gave Shell a gold star in my book. The employees were thoughtful and treated us very nicely. I would like to say thanks for an interesting and enjoyable morning." Carol Orr.

"I was impressed with the stress placed on safety and cleanliness throughout the tour of the plant. It was most encouraging to see ample work being done in regards to prevention of water pollution. I was further impressed with the very friendly relations among the employees and toward the visitor." Jim Bradley.



REMOVING CFH CATALYST -- From left to right, catalyst is removed from CFH unit and placed into the new aluminum containers. A fork lift carries the full bin to the railroad car where catalyst is emptied for transporting to a catalyst salvage firm. About 20 such bins were used to move the catalyst from the CFH unit to the railroad loading area.



NEW CATALYST FOR CAT FEED HYDROTREATER REACTOR -- A bag of new catalyst -- weighing about 1,200 pounds goes about 75 feet high to reach the about 55 foot high reactor. In middle photo, Floyd Pierott, left and Henry Theiler watch men prepare to remove cardboard so catalyst can drop into unit (at right photo). It took 16 trailer trucks such as the one in the photo at left to bring the catalyst to Houston Refinery.

CATALYST - Continued from page 1.

Since the bins were used only as transporters, it was not necessary to use all 40. All will be used though when the catalyst now in the unit is regenerated in about four months.

When this occurs all of the catalyst is regenerated, removed with screening and stored in the bins, and then replaced into the CFH. Previously 1,500 barrels were used for the same purpose. Use of the bins, which were constructed in California, will save much time and effort and avoid con-

siderable loss of catalyst through handling.

The new catalyst came to Houston Refinery in 16 trailer trucks -- each containing 24 bags of about 1,200 pounds each. A crane lifted the bags to the top of the 55 foot high structure and the bottom was removed from the bags and the catalyst was allowed to fall into the CFH by using an extra large funnel. By using the bins the next time the catalyst is placed into the CFH, (at regeneration time) only about 40 lifts to the top will have to be made instead of about 385 (number of bags placed into the CFH of catalyst).



HORRIDGE RETIREMENT PARTY--Earl T. Horr-
idge, center, shows one of his gifts he
received during his recently held retire-
ment party. At right is L. H. McDonald,
Assistant Manager Utilities, and at left
is E. J. Newton, Manager Utilities.

**CHARLES KNIGHT TO STAFF JOB
NAMED TO MATERIAL CHECKER POSITION**

Charles McBride Knight, Counterman No.
1 has joined the Purchasing Stores staff
as a Material Checker, effective February 16.



He joined Shell at the
Houston Refinery in 1952
as a General Helper in
the Engineering Field De-
partment. He was born in
Tenaha, in East Texas and
attended school there.
Working in the Cracking
Department from 1953 to
1955 he held a variety of
assignments. In 1958 he became a Count-
erman No. 1 in the Purchasing-Stores De-
partment.

He and his wife, Anastatia, have two
children, Leah, 4 and Eric, 1-1/2 years
old. They live in La Porte.

CLASSIFIEDS

FOR SALE

1/2 Acre Land - Small House - Corner Lot-
Double Garage - \$6,500. East Haven Addi-
tion, 9143 Conger.

Telephone - GR 3-7035 or HU 6-7909

1950 Cheverolet Pickup - Radio - Heater -
New Paint - \$175.00

Telephone - MI 3-9109

1960 Rambler Ambassador - V-8 - power
everything. Air conditioned - Radio - New
Tires. \$500.00.

Telephone - HO 5-2618

59' Ford Galazie 2-Dr.-Hardtop, V-8,
Standard Transmission, radio, heater,
good mechanical condition and clean.
\$400.00

GR 9-1282

FOR RENT

2-Bedroom home. 3/4 acres of land.
2704 Oak Street
Pasadena, Texas
\$60/Month
Telephone - HU 6-7946

**HOUSTON REFINERY PENSIONER PAUL MILLER
DIED FEBRUARY 15--RETIRED IN 1963**

Houston Refinery Pensioner Paul B.
Miller died on February 16, 1967 in Hou-
ston.



At the time of his
death he was employed in
the Harris County Depart-
ment of Education's film
library.

He joined Shell at the
Refinery in 1942 as a Ge-
neral Helper in the Engi-
neering Field Department
and worked for some time
in the loading and unload-
ing sections. He became
a Rodman in 1947 and a Rodman No. 1 two
years later. He retired in 1963 and is
survived by his wife, Imogene and a son
Paul.

Funeral services were held at Bethany
Methodist Church with burial in the For-
est Park Cemetary, Saturday, February 18.

**SHELL ADDS TWO NEW
HIGH PERFORMANCE RAILROAD OILS**

Shell recently added two new high-
performance diesel engine lubricating oils
to its railroad products line. The oils
have been field-tested throughout the
country and have demonstrated superior
performance.

Shell Tornus Oil, Code 54735, which
provides superior engine cleanliness, con-
tains an exclusive high-dispersancy addi-
tive combination that resists sludge and
varnish deposits. It establishes a new
high in diesel engine performance stand-
ards. The oil also: has a high-alkaline
reserve which protects all engine parts
against corrosive wear, prolongs oil filt-
er life by suspending carbon and soot
particles that ordinary oils allow to plug
filters, and keeps engines free from wear
in critical areas under high temperatures.
Tornus has been approved by many diesel
engine manufacturers for wide usage.

Shell Tiara Oil, Code 54731, made from
the same base stocks used in Tornus Oil,
is a low-ash, high-dispersant lubricant
specially formulated for engines in which
combustion ash is a problem. Tiara also
contains dispersants that provide excell-
ent engine cleanliness.

SHELLEGRAPH

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P. H. FISCHER---Editor

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