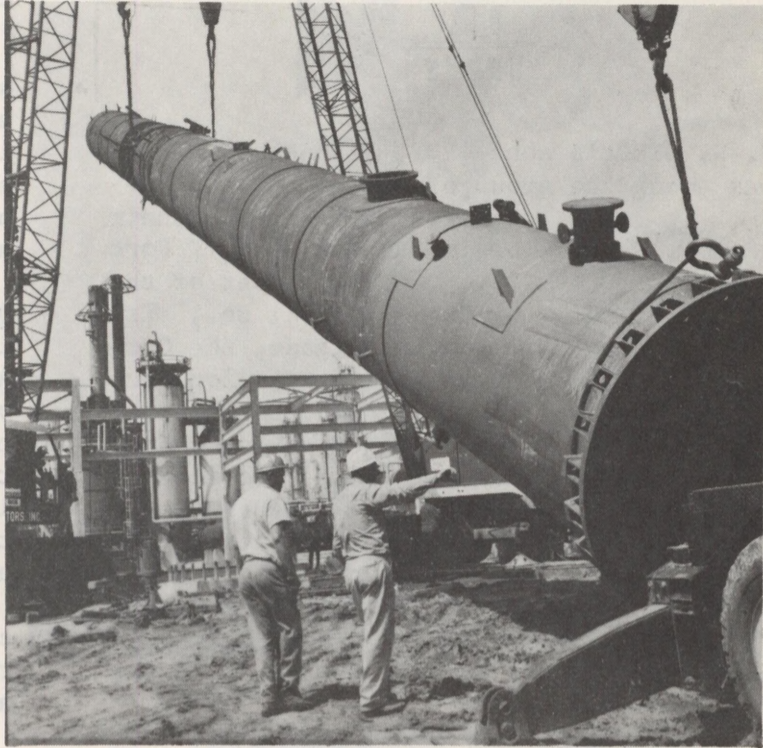


The largest vessel for the new paraxylene unit being constructed at Houston Refinery was raised recently. Officially called an Isomerization Xylene Tower, the



vessel is eight feet in diameter and 146 feet high. Photos above show the first two steps in the raising of the tower. See page three for additional pictures.

Weighing approximately 64 tons, it was raised by three cranes to stand on its foundation. A several hour project, the installation of this vessel and others mark the completion of about 16 per cent of the unit.

(Continued on Page 3 -- See TOWER)

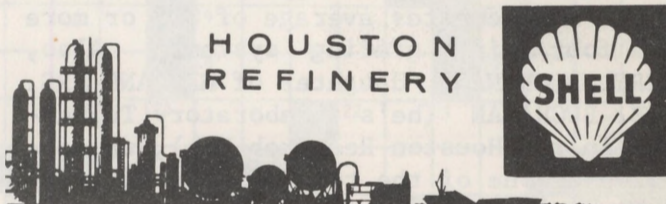


CREDIT UNION BOARD---Newly elected officers and board of directors for the Shell Refinery Employees Credit Union are as follows: Back row, left to right, C. H. Welch, Director and Treasurer, Refinery; B. L. Stanley, Director, Chemical Plant; L. V. Ash, President, Chemical Plant; J. E. Garrison, Director, Refinery; L. W. Garner, Director, Refinery. Front row, left to right, S. S. Braun, Vice President, Refinery; Vivian Tucker, Secretary, retired Chemical Plant employee; J. F. Lee, Director, Refinery; and Dixson Kirk, Director, Chemical Plant. This is the group of people who will lead the Credit Union in 1967.

WE ARE GOOD HOUSEKEEPERS
PLEASE HELP KEEP IT THAT WAY
FOR SAFETY.

HAVE YOU EARNED YOURS?

SHELLEGRAPH



No. 233

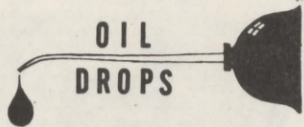
Friday, April 21, 1967

GORDON HIGHTOWER TO REFINERY SUPERVISOR

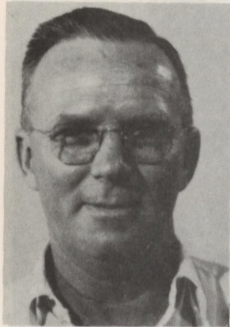
R. G. Hightower, Operations Foreman in the Dispatching Department, has been temporarily assigned to the Engineering Field Department as Refinery Supervisor effective April 17, 1967, announced R. J. O'Brien, Refinery Superintendent.



Gordon was born in Jonesboro, Arkansas, but grew up and attended school in Port Arthur, Texas. He joined Shell at the Houston Refinery in 1935 as a member of the Engineering Field Department. In 1937 he joined the Dispatching Department where he held several jobs until he became a Pumper No. 1. He came to staff in 1963 as a Shift Foreman and in 1966 he was named an Operations Foreman.

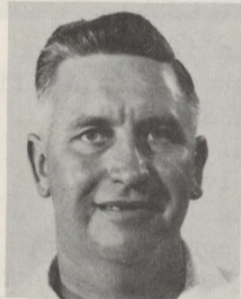


H. W. STEPP'S son, PVT. MICHAEL D. STEPP, was among the group of young men who recently completed their basic training at Fort Polk, La. A member of the Company E, 3rd. Bn., 1st Training Brigade, the Company set a record for Fort Polk by making the highest score that has ever been made on the Proficiency Test. The members of the Company were presented a special Proficiency Award Trophy by the Post Commander. Mike was graduated from Sam Rayburn High School. Mike's father is an Operator No. 1 in the Utilities Department



STEPP

Trophy by the Post Commander. Mike was graduated from Sam Rayburn High School. Mike's father is an Operator No. 1 in the Utilities Department

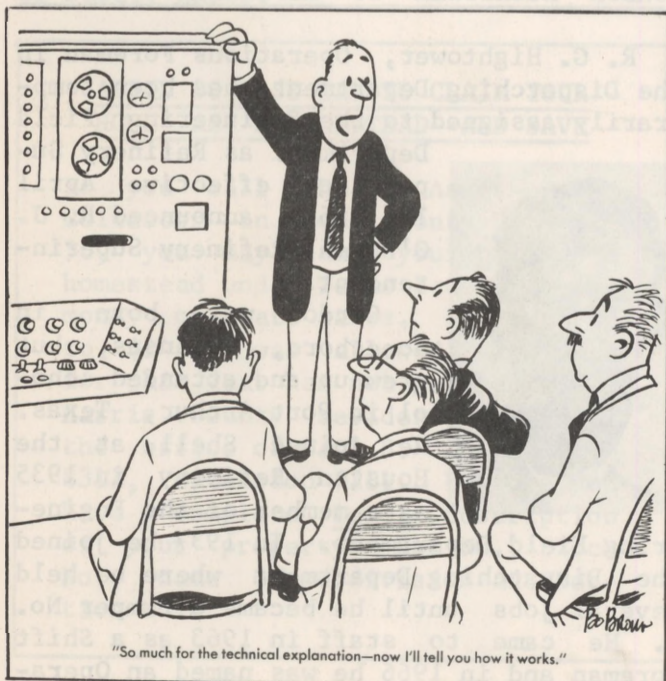


KOEHL

CAROL KOEHL, daughter of MR. AND MRS. REUBEN KOEHL (he is an Operator No. 1 in the Utilities Department), has been named to the Dean's List at Concordia Teachers College in Seward, Nebraska. She's a junior student at the college and had to have earned a semester average of 3.5 or more in a four point grading system. Also, CHERYL BUCHANAN, daughter of MR. AND MRS. E. B. BUCHANAN (he's a Laboratory Technician in the Houston Research Lab), was selected as one of the top ten most outstanding students in the Sophomore Class at North Texas State University at Denton.



BUCHANAN



WHAT TO SAY WHEN THEY ASK...
ABOUT AIR & WATER POLLUTION

Editor's note: This is the third in a series of questions and answers about air and water pollution. The American Petroleum Institute provided the series in an effort to make known the concise and factual answers to some of the questions often asked about effluent control.

Question: What is the oil industry doing in the field of water conservation?

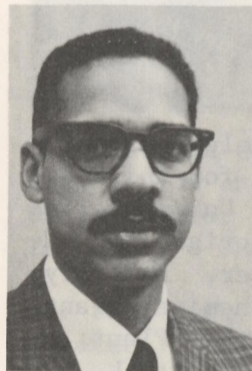
Answer: Oil production and refining involve tremendous amounts of water, and oil companies have been leaders in conservation activities since the 1920's. For the last decade, expenditures for water pollution abatement research and equipment have amounted to \$150 million.

Through advanced technology, some percent of the approximately 24 million barrels of oil-field brines produced daily are adequately disposed of.

At a refinery, water is often cleaned before it is used -- and it is often returned to the stream cleaner in some ways than before it entered the plant. To conserve fresh water, brackish water is sometimes used in cooling systems. And air is used increasingly to cool these systems instead of water.

As refineries are modified or new ones built, better controls are installed. One of the world's largest refineries was recently given an honorary award by the Izaak Walton League for its water treatment system. More than \$10 million has been spent at this refinery since 1946 on conservation practices.

WELCOME TO SHELL'S
HOUSTON REFINERY



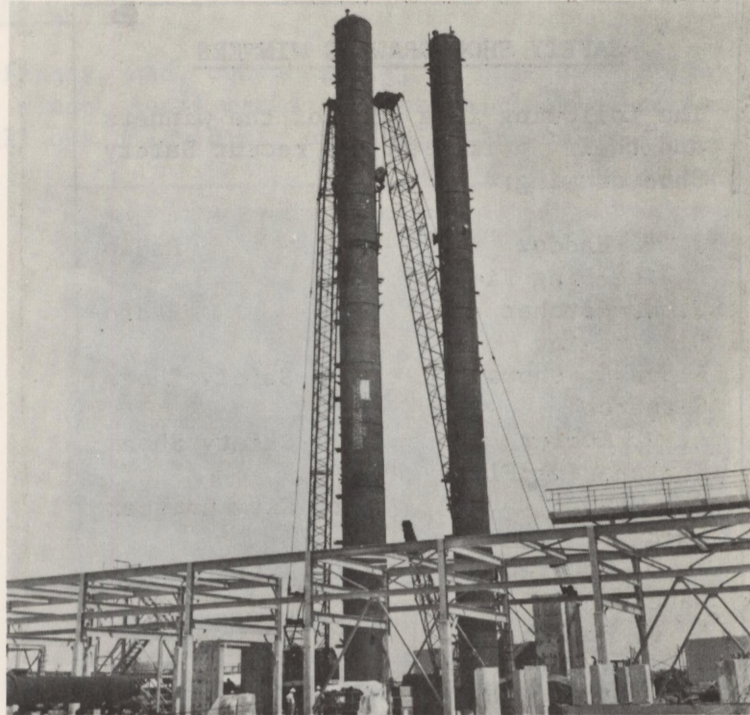
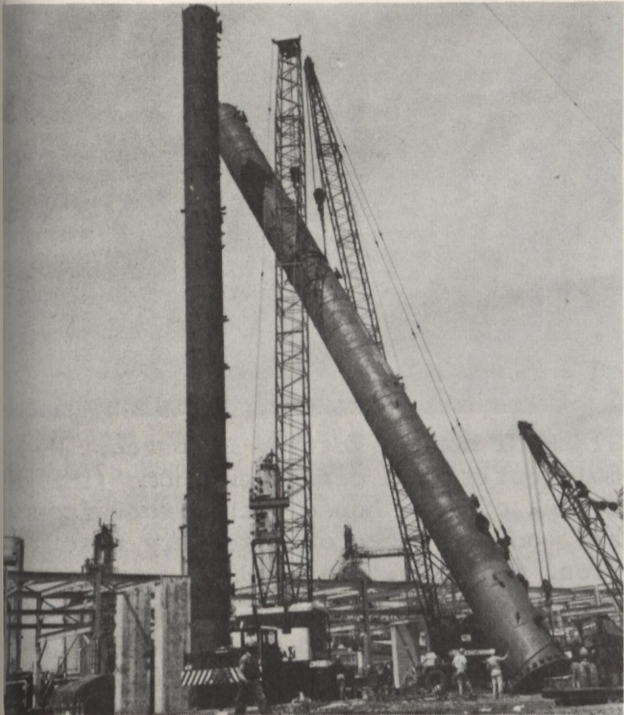
EDWARD J. BLANC
Research Chemist
Research

SHELLEGRAPH

Published by Shell Oil Company for its Houston Refinery and Houston Research employees at Deer Park, Texas, 77536.

P. H. FISCHER---Editor

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TOWER -- Continued from Page 1

The large vessel is designed to assist in getting the maximum paraxylene yield from the xylene feedstock and plays a major role in the production of the new unit. About 100 million pounds of paraxylene per year are expected to be produced by the new plant.

Located east of the cat feed hydrotreater, the unit is proposed to be completed late in 1967. John Nepveux is the Project Engineer and Murl Milburn is the Process Engineer for the project.

Basically, the new plant should do two things; separate paraxylene from mixed xylenes and convert the remaining mixture of xylenes to additional paraxylene.

TRANSPORTATION CROSSWORDS

ACROSS

1. Over 57 per cent of the world's are in the United States
5. Steady
9. Muscle
13. Wind instrument
14. Simpleton
16. Fashion over
17. Ardor
18. Signal light
19. Shakespearean villain
20. A major problem in developing an electric car is power of lead/acid batteries
22. Since World War II the amount of travel in the U.S. has
24. Some
25. Notice of marriage
26. Sounds to chase a cat
29. Tree
30. A typical jet passenger aircraft burns about 1,700 gallons of an hour in flight
33. Rod
34. A dance in France
35. Infection
37. Pres. Lincoln, familiarly
38. More grouchy
40. Government electrical project
41. More than \$3.8 billion each year is paid on special state and federal taxes on
43. "..... Yankee Doodle Dandy"
44. Slave
45. Town in Italy
46. Spinning toy
47. One out of every miles of highway travel is for recreation
48. Dark, former baseball player
50. To and
51. Elbowed
54. is the nation's most popular activity
58. Make eyes at
59. Certain Japanese in America
61. Ireland
62. Kodiak, for one
63. Nikola, famous physicist
64. Actress Turner
65. Parts of a tennis match
66. Play the lead
67. Old game of cards

DOWN

1. Girl at college
2. Competent
3. Horse color
4. Perceived by the faculties
5. More than per cent of the nation's intercity freight movement is by truck
6. Without doing anything
7. Inlet
8. Partner of pestle
9. Catches in an error (2 wds.)
10. Cure
11. Rim
12. Lumber
15. Sea bird
21. Those elected
23. Conclude through evidence
25. By the 1990's, free world will need about 10 gallons of jet fuel a year
26. Argument
27. Dangerous snake
28. Alaskan islander
29. Remote
31. Chemical compound
32. Book (Fr.)
34. Thirty-nine per cent of all public school students go to school by
35. Ocean
36. Highway travel is twice as today as it was in 1945
38. Dexterity
39. Gremlin
42. Large pits
44. Digging implements
46. Cleans
47. Three (prefix)
49. Openings
50. Monk
51. Highway transportation accounts for one out of every seven in the country
52. Curved molding
53. Wood strip
54. Rue Paix
55. Eastern country
56. Spanish girl
57. Small insect
60. Initial designation for supersonic transport

1	2	3	4	5	6	7	8	9	10	11	12	
13				14			15	16				
17				18				19				
20			21			22		23				
		24				25						
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	45				46			47				
			48		49			50				
51	52	53				54				55	56	57
58					59	60			61			
62					63				64			
65					66				67			

We in the Refinery business receive our crude oil from many places by a transportation network consisting of pipelines, barges, tankers and trucks, to mention a few examples. In keeping with this theme, try your hand at the above crossword puzzle. If you'd like, send your completed puzzle to the SHELEGRAPH office, Room 139, Administration Bldg., and a list of successful "transporters" will be published.

SAFETY SHOE DRAWING WINNERS

The following is a list of the winners and their prizes in the recent Safety Shoe drawing:

J. P. Haddox Engineering Field	Radio
J. M. Hatcher Dispatching	Radio
Floyd I. Shows Research	Safety Shoes
A. D. Kohler Engineering Field	Safety Shoes
Pat Webb P&IR	Fire Extinguisher
F. D. Cochran Research	Fire Extinguisher
E. E. Hollub, Jr. Gas-Thermal Crack.	Fire Extinguisher
F. R. Simms Research	Fire Extinguisher
M. L. Booty Cat. Cracking	Fire Extinguisher
L. W. Berry Engineering Field	Fire Extinguisher
J. W. John, Jr. Research	First-Aid Kit
W. D. Alfred Engineering Field	First-Aid Kit
H. H. Stall Engineering Field	First-Aid Kit
Reed Culton Utilities	First-Aid Kit
Felton Bernard Engineering Field	First-Aid Kit
D. E. Womack Distilling	First-Aid Kit

Those safety shoe prize winners who have not yet received their prize, should contact the Purchasing-Stores Department.

CLASSIFIEDS

FOR SALE

3-Bedroom House, 2 baths, den, 2-car garage, fenced, central heating. 508 Bennett Drive, Deer Park. Telephone - GR-3-8614

1 Automotive Dwell Meter - \$10; 2 Kenmore Washer Filter-Flo Pumps - \$5/Ea. Telephone - GR-2-5988

21" Westinghouse TV. Runs good but tuner needs adjusting. With rabbit ears. \$25 Telephone - HO-5-2618

Custom Deluxe 9' 8" surf board. New condition. Cost \$120 - Will sell for \$75 Telephone - HU-4-1681

WANTED TO BUY

Vise, suitable for home workshop use. Telephone - HO-5-1847



RETIREMENT HOME---Retired Dispatcher W. E. Womble built this retirement home (this is the back of the house, the front faces a lake) on the banks of Lake Gary near Fort Towson, Oklahoma. He and his wife have traveled since his retirement in 1964 in a camper and have now decided to settle down.

RETIREED DISPATCHING EMPLOYEE WOMBLE WRITES ABOUT HIS RETIREMENT YEARS

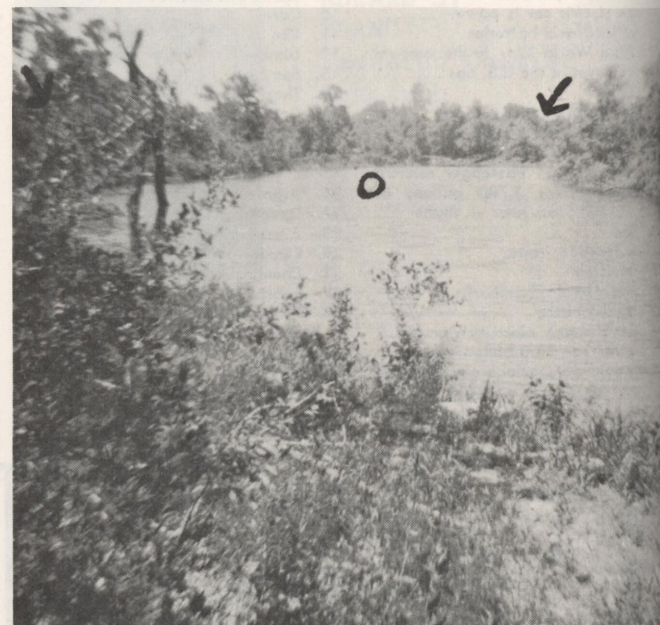
A letter was recently received in the SHELLEGRAPH office from retired Dispatching Department employee W. E. Womble. He retired in October, 1964, with over 20 years of Shell service. Portions of his letter are reproduced below.

"I must say I look forward to the Shellegraph since retiring; it keeps me in touch with friends I would not hear from. Also, there is that "old home" interest in the changes at the plant.

"I have found being retired mighty fine and I have traveled most of two years - from Old Mexico to Canada - just doing all those things we dream about....

"Bought ten acres on Lake Gary at Fort Towson, in Southeastern, Okla., and have built a new home....

"...Let us hear from more of the retired fellows - am enclosing a picture of the house (rear view) also my corner of the lake - Lake Gary is 3 miles long."



ARROW MARKS THE SPOT---Womble reports that the arrow on the lake picture indicates where his house is located and the circle pin-points the site where he goes swimming. The lake is about three miles long. He would like to hear from some of the other Refinery pensioners and "old timers".