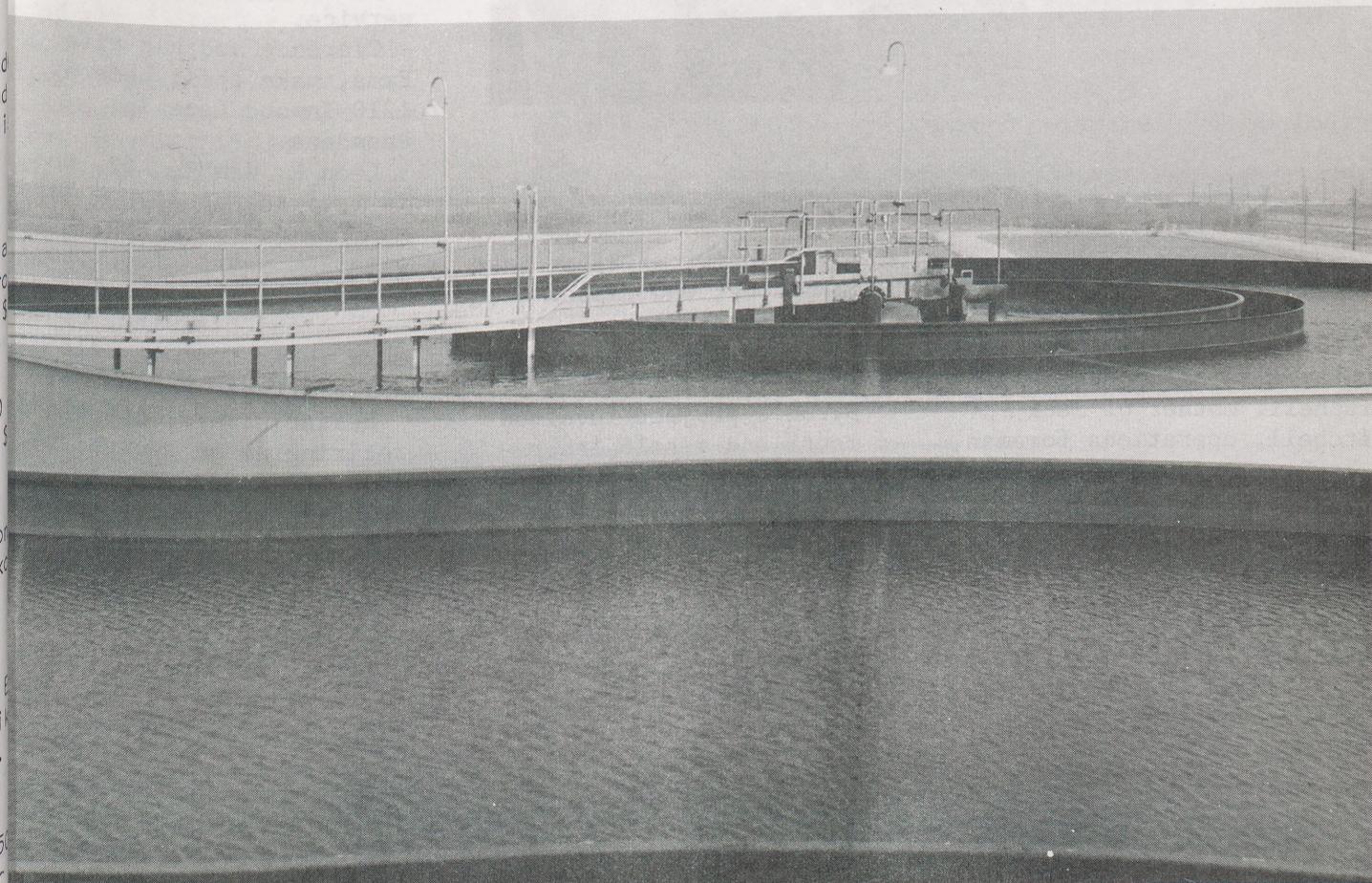


TRINITY RIVER SURFACE WATER CLARIFIER IN OPERATION



Looking from the center of one clarifier across another, you can see the Houston Ship Channel.

Turbidity, floc, silt, mud. All familiar terms to those acquainted with utilities' recent completed Trinity River Surface Water Clarifier. The all electric facility treats 30 million gallons per day or enough water to support the populations of Deer Park, Pasadena, South Houston, Baytown and Galveston; plans are already under way to increase its capacity to 40 million gallons per day. Located just outside the refinery fence, the facility's operators report directly to their work site; all treating chemicals are delivered to them via trucks. Built to assist in curbing land subsidence by eliminating the need for all water within operations, Trinity River surface water is now clarified for use in 1 of the complex's cooling towers and demineralizers and two other chemical plants. Use of the clarified water has enabled the shutting down of several underground water wells, and plans to switch over to Trinity River water at No. 2 power

house where water is treated for both No. 1 and 2 boiler houses.

Incoming Trinity River water is currently running at a turbidity of 12, but could go as high as 24, according to W. E. "Bill" Ursprung, process manager, Utilities-Refinery. Turbidity is the measurement of suspended solids in the water. After treatment, (Continued on page 3)

SHELLEGRAM TO HONOR GRADUATING SONS AND DAUGHTERS OF EMPLOYEES AND PENSIONERS

The *Shellegram* wishes to honor your graduating sons and daughters in the annual Graduates' Issue.

If you have a son or daughter graduating from high school or college, send a picture, with the student's name printed lightly on the back, along with the form shown on page 4 to the *Shellegram* office by June 1.

Using the form, fill out the pertinent information including high school or college, major, degree,

EDITOR TAKES VACATION

The editor is vacationing in Illinois, so the *Shellegram* stands will be empty next week.

All ads received too late for this week's issue will appear in the May 5 one.

school activities (please be brief), honors and future plans.

Don't forget to include your return address as pictures will be returned shortly after the Graduates' Issue is published in July.

Mail picture and information to: *Shellegram* office or send it through company mail. However you choose to do it, do it soon.

DEADLINE FOR SUBMITTING MATERIAL IS JUNE 1.

You have five weeks.

FIVE MEN RETIRE FROM COMPLEX.



Fleming Gamble Havard Hill Matney



February 17 was a big day in the life of Josephine Mitchell, mother of Jack Mitchell, operations foreman, Lube B. That was the day she reached her 100th birthday - making her a centenarian.

The special event, celebrated by a luncheon at Montie Beach Park in Houston was attended by over 100 guests - including family, friends and neighbors - from as far away as West Texas, Corpus Christi and Port Arthur. Among them were three sisters, two daughters, a son, 31 grandchildren, 11 great-grandchildren and five great, great-grandchildren.

Highlighting the day's festivities was a birthday card from Washington, signed by President Jimmy Carter.

Mrs. Mitchell was born in Hufsmith, Texas (just north of Houston), on February 17, 1877.

Chris Csengery, a third grader at Armand Bayou Elementary, took first place in his school's science fair.

His project dealt with the purification of sea water to fresh water. Young Chris, son of Larry Csengery, process manager, Pyrolysis, was assisted by Clymer Noble, manager, QC Lab, who provided the distillation column for his demonstration.

Another winner was Byron

Hood, a junior at Clear Lake High School, who placed first in the Clear Creek school district science fair's bio-chemistry division.

Byron's project involved a month-and-a-half laboratory study of trace elements, copper, iron, zinc and magnesium, in the nutrition of the fungus, Aspergillus niger.

His research was presented in a paper and visual display at the science fair.

A picnic at Sylvan Beach (under the pavilion) for past and present Catalytic Cracking employees is being coordinated by operator Bill Polson.

The Saturday, May 7, picnic will begin at 8 a.m. and last until 6 p.m.

Bill says there will be fishing, beach walking and talking. For more details, give Bill a call on 6395.

PROVIDENT FUND NEWS

The provident Fund valuation is as follows:

EQUITIES FUND

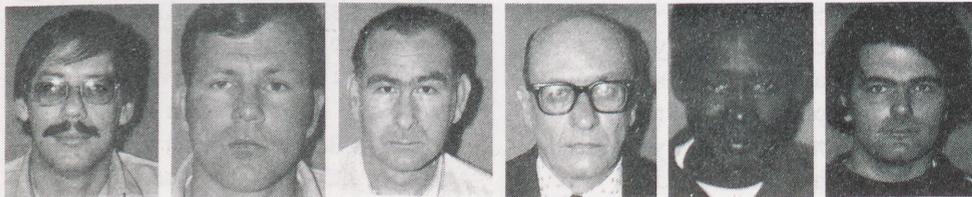
March 31 - \$2.490

SHELL STOCK FUND

March 16-31 - \$69.797

DON'T FORGET TO MOVE YOUR CLOCKS AHEAD AN HOUR APRIL 24 AT 2 AM. IT'S BACK TO DAYLIGHT SAVINGS TIME.

WELCOME TO DEER PARK MANUFACTURING COMPLEX



Ernie Muntz Jim Murphy James Parker Dale Petersen Robert Pusey Frank Rickman
General Helper General Helper General Helper Senior Buyer General Helper General Helper
Eng. Field Eng. Field Maint. Engrg. Purchasing Eng. Field Eng. Field

Five men have elected to retire from the DPMC. They include:

Clarence K. Fleming, 50, who is retiring as an operator No. 1, Lubricating Oil with 23½ years of company service.

Clarence and his wife, Emma, make their home at 1210 Inwood Lane in Pasadena.

Leon E. Gamble, 62, is retiring as a zone foreman, Maintenance Engineering with 28½ years of company service.

Leon and his wife, Pauline, make their home at 7715 Nolia Street in Houston.

Lester Havard, 64, is retiring as an operations foreman, Aromatics-West with 30 years of company service.

Lester and his wife, Beth, make their home at 308 Alta Vista Drive in Pasadena.

Eugene A. Hill, 56, is retiring as an operator No. 1, Alkylation, with 25 years of company service.

Eugene and his wife, Clara, make their home at 16051 Avenue D in Channelview.

C. S. Matney, 52, is retiring as an insulator No. 1, Engineering Field with 29 years of company service.

Sam and his wife, Jeanette Ruth, make their home at 1800 Lakeview in Baytown.

SCORA EASTER EGG HUNT HELD

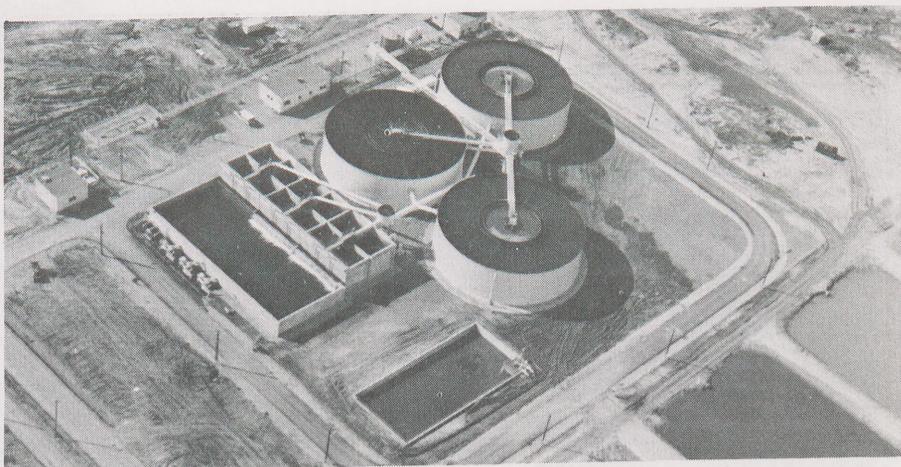


The Easter Rabbit (from Rothman) greeted the children at SCORA's Easter Egg Hunt. Among them was Tyra, daughter of Ella Mae Young, a man in Engineering

Clarifier in operation....

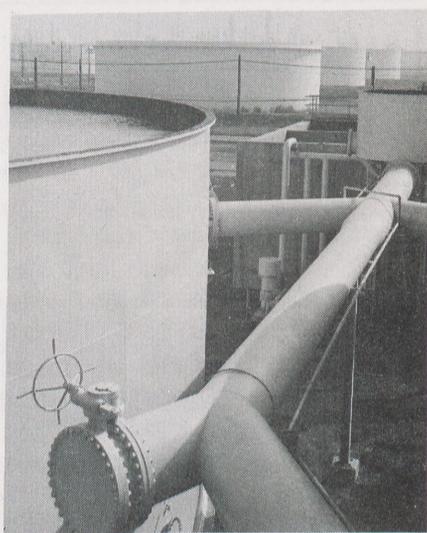
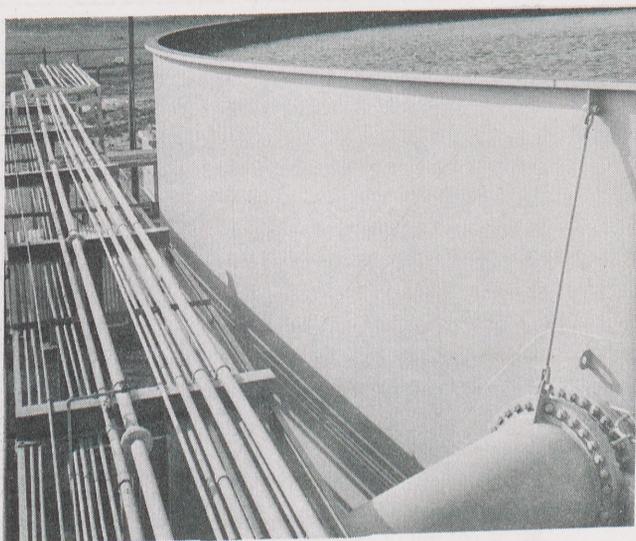
The Trinity River water turbidity has been running zero to 0.4. If you know where to look, you can tell at a glance from the walkway on top of the filters - a height of some 20 feet - if the turbidity is good, a dime that has dropped into the wier box in the clearwell will be clearly visible.

Removing the suspended solids from the Trinity River water received via the CIMA water conveyance system is what the new surface water clarifier is all about. It's



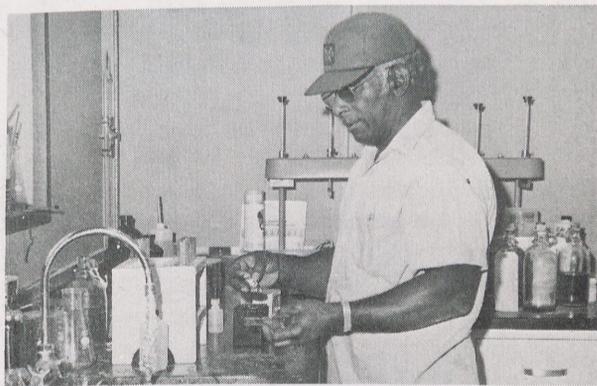
An aerial view gives the overall picture of the relationship of the clarifiers (three circular structures), the clearwell (the rectangular shape with water falling over one side) and the filters (located between the clarifiers and the clearwell). In the lower right are the sludge settling ponds.

Piping, containing various sulfate, lime slurry, Polyelectrolyte and clarified water for clarifiers, provides interesting patterns, shapes and forms.



Operator No. 1 S. L. Richardson tests samples as part of his job.

Day foreman J. C. Grissom climbs to the top of a clarifier to make an inspection.



function that transforms surface water into water suitable for use within clarifications.

Surface water was made suitable by the CIMA water conveyance system, which consists of a lift pump station located on the Trinity River near Liberty, housing vertical pumps capable of pumping 150 million gallons of water per day.

From the Liberty pump station, the water is lifted 50 feet and discharged into a canal which conveys it 22 miles to the 250-acre Lynch-

burg Reservoir. The reservoir is 15,800 feet long with a water depth of 27 feet. It has a 1 1/2 billion gallon capacity.

Also at Lynchburg is another pump station consisting of 19 vertical pumps and an 800 million gallon capacity.

From there three 108 inch in diameter pipelines cross beneath the Houston Ship Channel, at a depth of 80 feet below sea level, to a valve station at San Jacinto Park. From here area industries, including Shell, receive Trinity River surface water.



PLEASE TYPE OR PRINT CLEARLY

GRADUATE'S NAME _____

EMPLOYEE/PARENT'S NAME _____ DEPARTMENT _____ Plant Refinery

PARENT'S ADDRESS _____

SCHOOL GRADUATED FROM _____

COLLEGE/UNIVERSITY DEGREE _____ IN FIELD OF _____

SCHOOL ACTIVITIES/HONORS _____

FUTURE PLANS _____

Attach photograph of graduate with name on back. Mail to **SHELLEGRAM**, P. O. Box 100, Park, Texas 77536. DEADLINE FOR SUBMITTING MATERIALS IS JUNE 1.

CLASSIFIEDS

FOR SALE

15' Chapparrall, 50 hp Johnson, Little Dude galvanized trailer, depth finder, trolling motor, built-in ice chest, bilge pump, anchor maid, 3 life preservers, 2 gas tanks, excellent condition. \$2,500 firm. 487-4558

1969 Pontiac Catalina 4-door sedan, good condition. \$995. 1969 Ford pickup with Williamscraft camper, extra clean, good condition. \$1,595. 1970 17½' camper (fan) used 10 weeks, perfect condition. \$1,795. 427-4886 after 5 pm

32.19 acres 3 miles east of Mt. Enterprise. \$575/acre. 944-2623

1972 Buick GS, air, auto, P/S, P/B, AM-FM, excellent condition. \$1,795. 471-0235 after 5 pm

Four E78-14 Firestone Deluxe Champion fiberglass belted whitewall tires used less than 200 miles. \$95. 771-8887

Gibson Melody maker guitar. \$200. New Heil talk box. \$160. New Mu-Tron III electronic wah wah pedal (a wide variety of sound). \$90. Fuzz wah pedal. \$45. 471-1659

1968 Dodge Polara V-8, P/S, P/B, radio, very clean, 68,000 miles, air conditioner needs fluid. \$600. 645-8327

15" viola with bow, excellent condition. \$295. 471-1444

16" 150 auto Homelite chain saw. \$100. Rupp 5 hp 2-speed mini-bike, like new. \$150. Sears chrome pistol grip timing light in box. \$20. Serta perfect sleeper mattress, box spring and railings, extra long. \$55. 472-5988

Year old GE washer & electric dryer, new condition. \$275 firm. 2-piece sectional heavy Mediterranean gold and off white with end table built in. \$275. 649-2644

1975 Plymouth Valiant custom sedan, P/S, auto, disc brakes, AM radio, new tires, gold brocade interior, metallic brown. 785-9196

7 piece dinette set. \$35. 645-9975 after 5:30 pm

7½ hp Sears outboard motor with 5 hours running time, new condition. \$250. 864-7502

Electric range, 2 years old. \$100. 479-2500

Half acre Sam Rayburn lot w/minerals, joins creek and National Forest, near Hanks Marina. \$2,000. 22 acres in Panola County w/minerals. \$1,500/acre. Beautiful 100'x166' hill-top, lake-view lot, restricted, all utilities, Jackson Hill area, 2 blocks of National Forest. \$5,500. 422-8640

1973 Starcraft Executive, sleeps 6, furnace, 2-way refrigerator, stainless steel oven & sink. Used 3 times. Coleman tent 13'x10', new condition. \$90. 3-burner Coleman stove. \$10. 422-8640

Baldwin organ, practically new. \$600. Solid red maple bedroom suite, like new firm mattress and springs. 422-8640

Honda 450, new engine, 3,000 miles, sissy bar, crash bar, Z bars. \$550. With fairing. \$600. 526-1412 or 747-2796

19' Mobil Traveler mini-motor home, roof/dash A/C, AM-FM stereo, dual rear wheels, dual batteries, 10,000 miles, like new. \$9,200. 334-1215

1972 Olds 98 luxury 4-door sedan, loaded, very clean. \$1,995. 473-1274

1974 Buick LeSabre, 34,000 miles, AM-FM radio, new tires, brown/brown vinyl top. \$2,800. 626-8160, 771-3486, 493-1812 after 5 pm

1975 Ford ½-ton pickup with camper, good condition. 472-3048 or 477-7402

1974 Yamaha 125 MX. \$200. 738-1162

1975 Ford Elite 351 V-8, AM-FM, bucket seats, good tires, extra clean. 723-2831

FREE

Small, cute, 6-month female collie. 488-7733

1/4 poodle; 3/4 ????. 488-7517

PERSONALS

I wish to express my appreciation to the many kind friends at the party who made my 31 years there such a fulfilling joy. The party was a climax, and the gifts will be a reminder of my life and friends at Deer Park. Thank you from the bottom of my heart. - Sam Matney

CARPOOL CONTEST ENTRY FORM

I would like to enter my carpool which consists of the following individuals:

_____	Co. # _____
_____	" _____
_____	" _____
_____	" _____
_____	" _____

We formed our carpool _____ (month/year) and travel _____ miles.

MAIL ENTRY FORM TO: SHELLEGRAM

SHELLEGRAM

Published by Shell Oil Company for its Deer Park Manufacturing Complex employees at Deer Park, Texas

Dotti West, Editor