

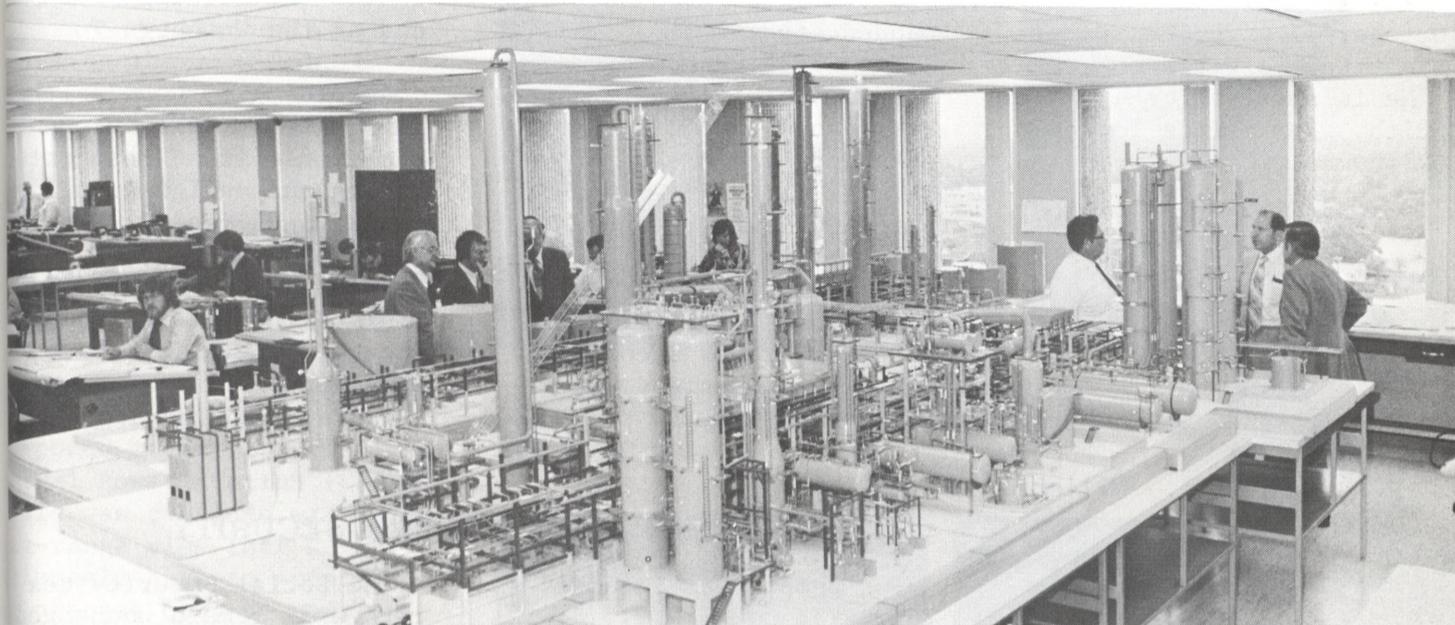
# Shellegram

Deer Park Manufacturing Complex

Thursday, November 18, 1976

Vol. 41, No. 45

## PHENOL-2 CONSTRUCTION WELL UNDERWAY AT COMPLEX



The three men in the right-hand corner discussing the Phenol-2 model are W. A. Lackey, Vince Maggio and Don Chappuis, Pullman-Kellogg project manager.

The close-up view is of the northeast corner of the Phenol-2 operating area showing the cluster of oxidizers which convert cumene to cumene hydroperoxide in the presence of air and heat.

Scheduled for mechanical completion during the third quarter of 1977, Phenol-2 has been designed to manufacture 500 million pounds per year phenol and 300 million pounds per year acetone, making it the biggest single producing phenol plant in the world.

The model of the plant is big in itself with 42 modules covering an area of 7 feet by 22 feet. It shows all piping one inch and larger, all process equipment and the location of critical instrumentation on a scale of 3/8 inch equals one foot. The model, which took 10 months to build, speeds up the drafting and engineering time as it enables personnel to have a visual three-dimensional picture of what the plant looks like.

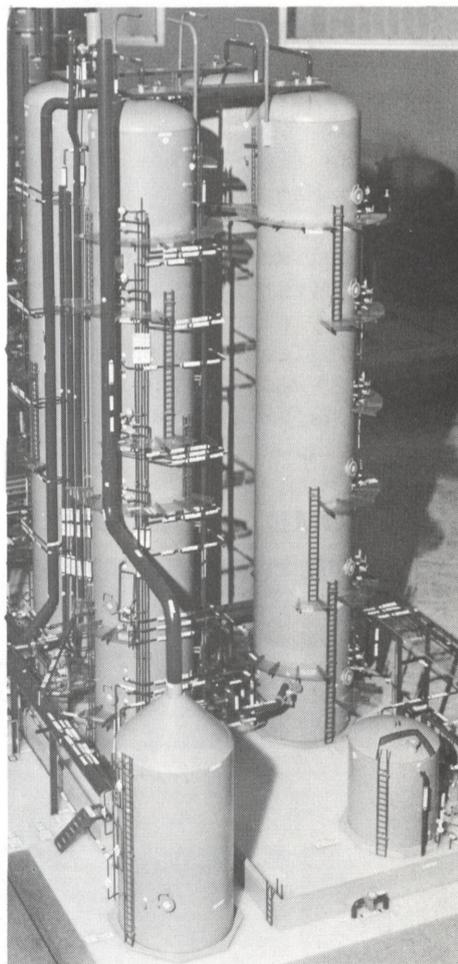
Safety and environmental features were given high priority in the designing of the plant and its spacious control room. Its 2-foot control panel has over 640 alarms and some

400 controllers. It contains not only the process control instruments for the on-site process units making up the phenol manufacturing complex, but also instrumentation serving off-site facilities, such as the 35,000 gallon per minute cooling water tower located to the east of the plant.

The design is such that all of the contaminated rain water and wash-up water are collected in an underground sump and then pumped into a 500,000-gallon storage tank. From this water impoundment tank, the water is dephenolated and then sent to chemical's bio-filtering system before being discharged.

Another new feature built into the plant is passing the spent air from the oxidation unit through heat exchangers, refrigerated condensers and carbon beds in order to remove minute traces of organics before discharging it into the

(Continued on page 3)



### STANDS WILL BE EMPTY

The *Shellegram* stands will be empty November 25 due to the Thanksgiving holidays.

All ads received too late for this week's paper will appear in the December 2 issue. In the meantime, have a happy and safe holiday.

**RETIREES DIE**

W. E. Womble, 66, died October 15. At the time of his retirement in October 1964, he was a car rep in Dispatching with 20½ years of company service.

The funeral was held October 17 with burial in Grant Cemetery.

He is survived by his wife, Edith, who resides in Grant, Oklahoma.

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Miller

W. B. Miller, 68, retired medium equipment operator, Engineering Field, died November 8.

At the time of his retirement in March 1973, he had 38 years of company service.

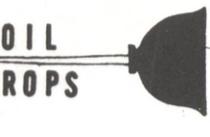
Funeral services were held at the First Baptist Church in Crosby with burial in the Evergreen Cemetery.

Miller was living in Highlands at the time of his death.

Donna Dorflinger, daughter of senior Employee Relations assistant, Cliff Dorflinger, was recently named NMSC commended student.

One of 35,000 commended students nationwide, Donna was recognized for her outstanding performance on the 1976 Preliminary Scholastic Aptitude Test/National Merit Scholarship Qualifying Test.

Commended students represent less than two percent of the nation's secondary school senior class.



Leroy Panzer, truck driver, Maintenance Engineering, recently conducted a first aid course for Precinct 2 employees at the Washburn Tunnel.

According to Commissioner Jim Fonteno, Leroy presented the course in a "most interesting and enlightening" manner. "I feel Precinct 2 employees now have a more knowledgeable means of administering first aid wisely, should an occasion arise," says Fonteno.

**WAGE BASE UP AGAIN ON SOCIAL SECURITY**

For people earning more than \$15,300 in 1977, Social Security taxes for the new year will be more than were paid in 1976.

The taxable wage base will go up again in what seems to be an annual tradition for January 1. The Social Security Administration said the wage base upon which taxes are levied will increase to \$16,500 from the \$15,300 base for 1976. This means the maximum tax paid will increase from \$895.05 to \$965.25.

The Social Security tax rate will remain unchanged next year, so only those workers earning more than \$15,300 will be affected. Each employee pays 5.85 percent of his salary to Social Security - FICA on your paycheck stub - a rate in effect since 1973.

The 5.85 percent rate is applicable to both the employee and employer. Shell matches the contribution of its employees in the Social Security fund.

Even with the same tax rate, the increase in the taxable wage base, which is mandatory by law to keep pace with the average increase in wages, will provide an additional \$2.3 billion in taxes next year. An estimated 19 million American workers will pay the higher Social Security taxes next year.

The 1977 tax schedule is listed below:

IF YOUR TOTAL EARNINGS ARE:	YOUR 1977 TAX WILL BE:
\$ 4,000	\$ 234.00
5,000	292.50
6,000	351.00
7,000	409.50
8,000	468.00
9,000	526.50
10,000	585.00
10,800	631.80
12,600	737.10
13,200	772.20
14,100	824.85
15,300	895.05
16,500	965.25

**WELCOME TO DEER PARK MANUFACTURING COMPLEX**



Case J. Beas  
Supt. Operations  
Ops. Expan.-Chem.



Lewis Barnes, Jr.  
Machinist D  
Maint. Engrg.



Kenneth Barron  
Lineman No. 1  
Eng. Field



De Wayne Blackwell  
Senior Clerk  
Services



Jo Ann Chenault  
Nurse  
Medical



Sambo Cole  
Pipefitter No. 1  
Maint. Engrg.



Bubba Grant, Jr.  
Painter No. 1  
Engrg. Field



Charles Gross  
Engineer  
Engrg.-Instr.



John Hedger  
Chemist  
QC Lab



Sam Jones  
General Helper  
Eng. Field



Bob Klug  
Sr. Engineer  
Eng. Services



Louis Leysath  
Electrician No. 1  
Maint. Engrg.



Mike Patton  
Analyst  
Purchasing



Dennis Renfro  
Analyst  
Shipping



Elton Sackett  
Lineman No. 1  
Eng. Field



Dick Stellman  
Supt. Ops.-East  
Administration



Dick Stewart  
Staff Engineer  
Pressure Equipment



Carole Williams  
Engineer  
Inter. & Resins

Phenol-2 construction....

atmosphere. The spent air also passes through an expander turbine which generates electrical power as a energy recovery system. In any of the atmospheric storage tanks have refrigerated condensers to avoid polluting the air. There is also a vent gas scrubber through which relief valves discharge and other vessels in order to avoid contaminating the atmosphere. "One of the features of this plant," says staff engineer Vince Maggio, "is that the bulk of its heat requirements are supplied by 10,000 pounds per hour or 100-pound steam from the Central Power Station (CPS). This was designed with a long-range view that we may ultimately have to supply process heat by using coal as fuel. Most of this steam is condensed and returned to the power plant in the form of hot water to be used again in steam production - saving both heat and water," comments Vince. Many other features designed in this phenol plant were the result of a long-range study by A. A. Berger, Head Office, of phenol manufacturing facilities in England, France and at several locations in the United States as well as Phenol-1 operated chemical until 1973. According to Vince, two other Shell employees played an important role in the realization of Phenol-2: B. DuBois was Head Office process coordinator and A. Lackey is project engineer. Raw materials for Phenol-2 are benzene and propylene, which come from our own complex. Basically, Phenol-2 is a combination of six processing units or areas: benzene manufacture, cumene oxidation, cumene hydroxide cleavage, phenol and acetone fractionation, heavy benzene recovery and dephenolation. The plant covers a 50 acre site north of the catalytic cracker and will provide many more jobs within the complex. Operating personnel are expected to begin training May 1, 1977.

FINANCIAL CELEBRATES SAFE WORK HABITS



Couples attending the Financial safety party included Sharon and Kenny Schackai, Guy and Jane Guerin, Clark and Dee Callihan.

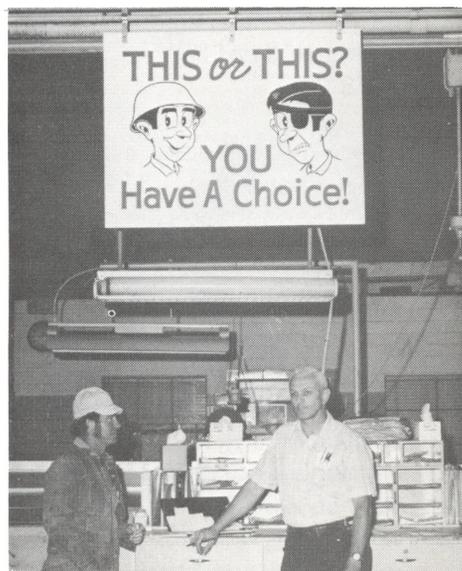


Beverly and Steve Ottemann join Pat Cordes for a visit, while Carol Brown chats with Ken Braud.

RULES FOR SUBMITTING ADS

Readers are reminded of the rules for submitting ads for free publication in the *Shellegram*.

- Ads are published for complex employees, pensioners and families only. Advertiser must be owner and not agent or dealer.
- All ads must be submitted in writing stating item, price, advertiser's name and home telephone number. Forms are available at the receptionist's desk and the *Shellegram* office.
- Deadline for submitting ads is Monday.
- Mail ads to the *Shellegram* or bring them to Room 103, Main Office Annex.



Welder G. W. Flora and C. L. Ward, hourly foreman, Engineering Field, pose below the sign designed to encourage employees to use their safety equipment.

**CLASSIFIEDS**

FOR SALE

48" Thomasville dining table, walnut pedestal octagon with 4 chairs. \$100.  
485-5819

16" Girl's Schwinn bicycle, good condition. \$25.  
485-5819

Spanish dinette, slate table w/4 gold crushed velvet high back chairs. \$200. Spanish sofa, crushed gold velvet. \$200. Fireplace set, electric logs, etc. \$25.  
487-4819

1970 Ford pickup, A/C, overdrive, camper shell. \$1,650.  
422-2728

80'x120' Hilltop Lakes lot situated between 3 lakes, fishing-boating-recreation facilities available with purchase. \$2,500.  
673-1130

Winter spinet piano and bench, looks good, needs minor key repairs. \$150.  
472-2025

16½' Bay boat, 1975 Evinrude electric shift with big wheel trailer. \$1,200.  
487-3574

14' aluminum boat, motor and trailer. \$500.  
332-4695

16'3" Arrow Glass custom designed, 4 months old, walk through windshield, tri-hull, 85 hp Mercury, large wheel trailer.  
427-9078

1972 Vega Hatchback, fully equipped, race bal. 327 with H.E.I., 4-speed posi-track, strip tested, mags and many other extras. \$2,500.  
472-5988

1975 Dodge Tradesman 100 van, customized, air, automatic, cruise control, fully carpeted, mags, port holes, radio. \$6,000.  
923-4285

1973 Mercury Marquis Brougham 4-door, air, speed control, loaded, full power, excellent condition.  
497-6934

T.I. SR-51A super slide rule calculator, 3 months old, good for student. \$50.  
488-0405

1.4 acre New Caney lot in Tanglewood addition. \$4,500.  
479-3033

1974 Chevelle Malibu 4-door, 350-V8, good condition, blue. \$2,700.  
477-6742

1975 Chevy customized van, fully equipped, low mileage. \$5,500.  
471-0235 after 5 pm

Bed, dresser, night stand. \$100. Folding half-bed and mattress. \$10. Table lamp. \$10.  
487-3588

Astro Craft camper shell, fits mini trucks. \$125. Philco portable dishwasher, wood grain formica top. \$50.  
487-2522

1976 Honda 750 Super Sport, 2,500 miles. \$2,100.  
472-7247

1974 Chevy van, custom paint, air, P/S, P/B, captain's chairs, 21,000 miles, good condition. \$4,500.  
487-4819

1971 Honda 750, saddle bags, new battery and tires. \$750.  
479-3033

WANTED

Bicycle exerciser.  
487-4763 after 5 pm

PERSONALS

I wish to express my fullest appreciation to all my friends at Shell who made possible the fine scroll, gifts and party that were given me following my recent retirement. I especially want to thank those who did the planning and performed the chores needed for such a party. Again, to each of you, knowing you and working with you has been a great pleasure.

- John Schroeder

**BLOOD DONOR DRIVE UNDERWAY VOLUNTEER NOW TO GIVE AT THE FOLLOWING LOCATIONS:**

Chemical - 11/29, 30 & 12/1  
Refinery - 12/6, 7 & 8

**SIGN UP TODAY TO SAVE A LIFE**

**PROVIDENT FUND NEWS**

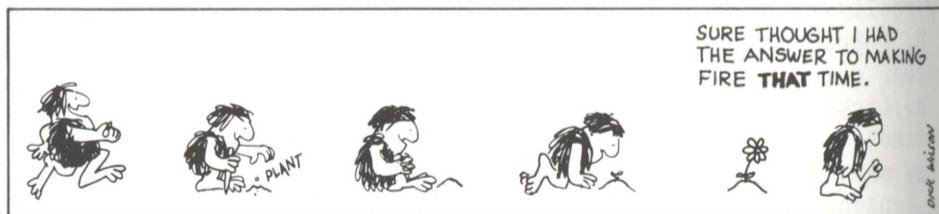
The Provident Fund valuation is as follows:

Equities Fund

October 31 - \$2.617

Shell Stock Fund

October 16-31 - \$74.091



**SHELLEGRAM**

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

**Dotti West, Editor**

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