

CPS: Key To DPMC Operations

One of the major new units being added to the DPMC in the current expansion program is a new Central Power Station (CPS). When operating at capacity, the CPS will produce about one third of the DPMC's steam and electrical needs. The first of two boiler-turbogenerator units is scheduled to begin operation in the summer of 1978. Each boiler is designed to produce 1.1 million pounds of steam an hour at 1250 psig and 925 degrees F.

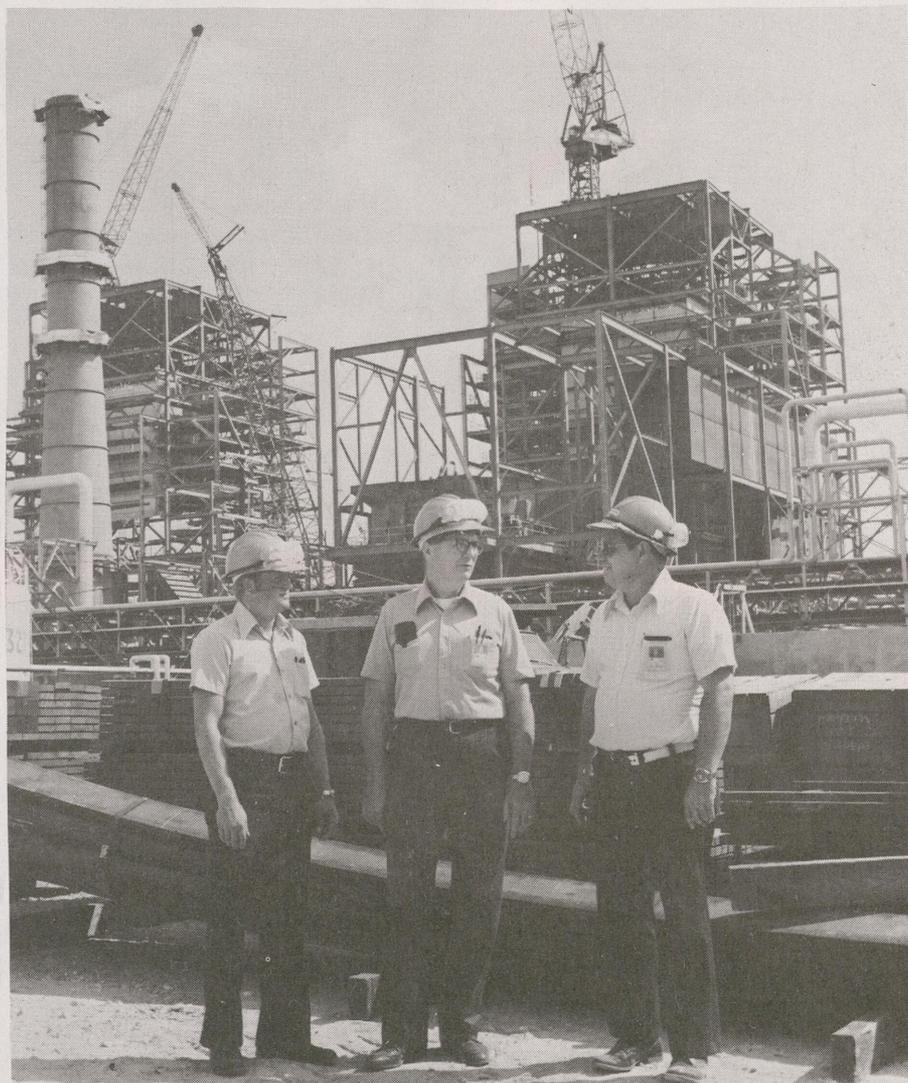
If the steam energy from both boilers were converted to electricity, it would be enough to supply 160,000 homes or provide the power for a city twice the size of Pasadena. Since CPS produced steam will be provided to process users throughout the complex, its turbogenerators are sized to produce 40 percent of that electricity or a maximum of 100 megawatts. Right now 70 megawatts are generated by the complex and 160 are purchased.

The process of providing steam and power energy starts with making "super" pure water. The CPS will take clean water produced at the Trinity River Water Clarifier and condensate to produce over 5000 gallons per minute of water pure to within 100 parts per billion total dissolved solids. This is 5000 times purer than drinking water and 10 times purer than ordinary distilled water. "Making water this pure," says process manager Mark Demark, "is only half the problem. It must be kept that way. This is why most of the vessels, pipes and tanks in the water plant are made from stainless steel or are plastic lined."

The CPS, however, is more than boilers and turbogenerators. Onsite there are two 6000 scfm air compressors and driers whose operation is vital to providing quality instrument air. "Our cooling water tower provides water to cool the CPS and plays a key role in our water reuse and conservation program," says Mark.

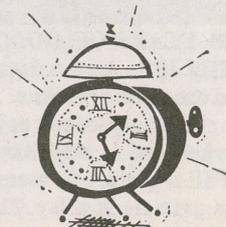
In the early construction stage, 11 feet of earth were removed. Then over 2000 70-foot pilings were driven into the ground to form a firm foundation for the 170-foot boiler structures, 280-foot

Continued on page 3



Foremen Rusty Harrison, John Durand and Jim Alexander are just a few of the "dog-gone good people" associated with the CPS project. Visible in the background are the two boiler-turbogenerator units and their auxiliaries.

Daylight savings time ends Sunday, October 30, at 2:00 a.m. Be sure to set your clocks back one hour, so you can enjoy an extra hour of sleep.



Actual Employee Happenings

The joys of motherhood are many. Just ask Roberta Reeves, Maintenance North secretary, about her nine-year-old son's cub scout project.

Her son, Joseph, is working on his Wolf badge which consists of 12 projects. One involves building something with his daddy, Steve. Roberta,

who is also Joseph's assistant den mother, says he really got excited about this project. He came home from his cub scout meeting and eagerly asked his dad to help him build a "cathouse."

After Steve regained his composure, father and son set out to build Joseph a

"cathouse." They hammered, nailed and painted. Finally the "cathouse" was ready for occupancy.

Joseph decided it needed a drape for its door so that the cats would keep warm during the winter. Then he decided it needed carpeting. So now the Reeves have a draped and carpeted "cathouse" in their backyard.

After Steve and Joseph finished building, Steve and Roberta laughed about their son's choice of a project. Not understanding their laughter, Joseph asked, "Why are you laughing? All I wanted to do was build a house for my cats!"

The green cake made by Linda Hardy, Payroll and Benefits, for Jack Miller's October 7 birthday was supposed to have been blue - Jack's favorite color.

As Linda added blue coloring to her cake batter, it turned green. Why? She had used a yellow cake mix. And, as all of you artists out there know, blue and yellow combine to make green.

However, it's questionable whether Jack, section supervisor of Data Processing, even noticed the cake's color. If he did, it didn't inhibit his consumption of it by a bite.

Head Nurse Evelyn Leamons attended a Civil Defense Preparedness Course on emergency planning for natural or man-made disasters. The course was held on October 17-20 at the Staff College in Battle Creek, Michigan.

Nurse Leamons was one of 78 representatives from various U.S. industries and businesses who participated in the four-day program. Among the participants were bank presidents, refinery managers and a U.S. Treasury Department representative.

Chemical UW Drive Committee co-chairmen Dick Lamb and John Dever report that their UW Committee was presented a trophy by the Houston group for having the greatest percentage increase in contributions of any committee in the Houston area.

Chemical's UW contributions increased from \$34,745 to \$44,298 for a 27 percent overall increase. Yet, their number of employees only increased by 13 percent.

The trophy was presented to them at United Way's first progress report luncheon.



60 YEARS OF GOOD TIME, BAD TIME AND OVERTIME FOR ELECTRICIAN PHILLIPS - A man does a lot of things during a career spanning 60 years of good time, bad time and overtime. And, although Maintenance South electrician H. A. "Phil" Phillips claims he doesn't enjoy doing anything "special" on the job, he is known to be a good worker and is well liked by his co-workers. That's something "special."

Phil is pictured assembling a flood light which will be installed at the Braun construction gate clock alley. This is just one of the many varied jobs that an electrician does while on the job.

Fire Training At Texas A&M

Fire training at Texas A&M is over for this year. Over 900 employees have completed the training since its inception in 1970 by the chemical plant. This year alone, 248 employees received training at the two-and-a-half day fire fighting school.

Safety coordinators of Shell's participation in the A&M program are Odis Chappell for chemical and J. B. Floyd for the refinery.

Plans are to maintain an on-going program of fire training for fire crews and other key personnel.



CPS: Key To DPMC Operations

(Continued from page 1)

stacks, turbogenerators, water treating vessels, piperacks and buildings. Space was left for an additional boiler-turbogenerator unit and its auxiliaries, as well as handling facilities for coal.

The nine-member operations team consists of process manager Mark Demark, senior engineering assistant Frank Leonard, operations supervisor

Tom Burnett and foremen Jim Alexander, Ed Cashet, John Durand, Rusty Harrison, Alton Eaton and George Jones.

Jim is responsible for the turbogenerators; Ed, for plant auxiliaries, air compressors and the cooling water tower; John handles the water treating; Rusty, who at 31 years is one of the

youngest foremen in the complex, is in charge of the boilers; Alton oversees the electrical distribution and computer; and George takes care of the fuel, feedwater and steam systems.

Each of the foremen is responsible for preparing the operators' manuals and then for training the operators. This is a first for the complex, but as Tom puts it, "We've got a lot of doggone good people with years of utility experience."

And, good people are needed if we're going to have reliable utilities producing and distribution systems.

Refinery Parking Improved

The first phase of a program to improve the refinery's parking facilities was completed last weekend, and plans for additional parking improvements at the complex have been announced.

Changes already implemented include a 47-space addition to the east refinery parking lot, where several Major Projects trailers used to be, and the conversion of the parking lot formerly reserved for Major Projects parking into a general employee parking lot, opening 102 existing spaces to all employees.

The combination of these changes means that an additional 149 parking spaces at the north end of the complex are now available to employees at all times on a first-come, first-served basis.

SCORA Events

Reminder: SCORA tennis tournament entry forms are on the bulletin boards.

The tournament will be November 5 and 6 at the Deer Park High School.

There will be a Family Roller Skating Party on Wednesday, November 2, at Skateworld in Deer Park from 7-9:30 p.m.

Cost is \$1.00 per member, \$1.25 per guest. Come. Bring your family and your friends.

In a related move, permanent restrictions have been placed on the visitors and reserved parking area directly across from the Refinery Administration Building. This area was previously available to employees working the graveyard and weekend shift; a move that is no longer necessary with the opening of additional spaces in the east lot.

Additional parking improvements are planned in the next few months. The refinery west parking lot will be resurfaced and expanded, providing approximately 60 additional spaces.

This work will be conducted in two phases with half of the lot being resurfaced at a time. During that work, employees will be asked to volunteer to park in a temporary lot south of OPII from which they will be bused to the main gate area.

Improvements being planned for parking at the chemical plant include the paving of the area directly south of the employment office parking area. Work on that project, which will provide about 70 parking spaces, will begin as soon as the necessary permits are obtained.

At some time in the future, as tractor parking needs decline and the new olefins and resins facilities are put into operation, new lots will be established to accommodate Shell employees working in those areas.

Retirees Die



Culbreth

Taylor

J. F. Taylor, retired department manager of "A" Department, died October 14.

Having retired in March 1971, Taylor made his home in Pasadena.

P. M. "Ples" Culbreth, retired Engineering Field foreman, died October 21.

At the time of his retirement in December 1973, Ples had 27 years of company service.

He is survived by his wife, Winnie, who makes her home in Madisonville.

Classifieds

FOR SALE

Regulation pool table, slate top, like new. \$400. 473-0936

1972 Chevrolet Impala 4-door H-T, air, P-B-S. \$1,250. 1968 Buick LaSabre 4-door sedan, air, P-S, new paint. \$895. 90' cyclone fence 4' high, posts, top rail, gate. \$100. 479-3654

Sears Kenmore portable dishwasher, used 18 months, lots of extras. \$100. White and gold kitchen table with 6 chairs and leaf. \$40 or best offer. 485-8229 after 4 p.m.

1976 Ford Ranger XLT, LWB, V8, air, P-S-B, AM-FM 8-track stereo, 18,000 miles, like new. \$4,200. 458-2195

4 English oak antique dining chairs, padded. \$125. Seascape oil painting, 40"x24". \$50 with frame; \$35 without. 481-8623

16 cu. ft. Harvest Gold GE refrigerator with ice maker, excellent condition, 8 months old. \$300 or best offer. 334-4016

1974 Toyota Land Cruiser station-wagon, 4-wheel drive, no rust, looks and drives like new. \$4,195. 1-389-2206

1973 Mark IV, leather, electric sun roof, all factory options, excellent condition, 41,000 miles, \$4,895. 471-1618

Young filly, AQHA registered, beautiful conformation. Call or write: J. T. Blake (retiree), Rt. 7, Box 442, Nacogdoches, TX 75961. 1-569-4340

1974 Monte Carlo, air, auto, P-S-B. \$2,500. 458-2217

1977 Monte Carlo, 8,000 miles, 305, air,

cruise control AM-FM 8-track stereo, rally wheels, excellent condition. \$4,999. 473-7722

1971 Honda 450cc, low mileage, good condition. \$300. 488-3397

1969 Toyota, excellent body, clutch and brakes need work. \$150. 472-7114

1971 Honda CB350 with windshield, 9,000 miles, super clean. \$475. 477-8905

Whites electric portable sewing machine in wood carrying case. \$60. IBM electric typewriter. \$150. 367-1008 after 11 a.m. or 476-5821 after 5 p.m.

3-1/2-1 house in Pasadena, remodeled, aluminum siding, new carpet, drapes, air units. \$26,500. 472-1850

Home stereo, Fisher 190 amp and receiver, BSR turntable, 8-track player-recorder, 4 speakers, 8" woofer, 2-way speakers. \$400. 471-4476

Kenmore portable washer and dryer, very good condition, one year old, white. \$400. 479-3559

Used lumber 2x4's, 2x6's, 2x8's and 1x4's, 4x6's short and long, corrugated iron. 471-2961

3 lots at Indian Springs, each 50x150, 8 miles east of Livingston in heart of East Texas lake country. \$2,000 for all 3. 455-0056 before 2 p.m.

GARAGE SALE

October 29 and 30. King size mattress and box springs, small refrigerator, gas range with broiler and rotisserie, commercial vacuum, air conditioner (needs work), sewing machine, antique rocker, size 7 and 10 workboots, clothes and much more. 1622 Bearle (off Red Bluff) 473-3192

WANT TO BUY

Ruger pistols, Ruger pistol boxes, brass grip frames, grips, parts, Ruger drills and other tools marked Ruger. 926-2743

Office desk, wood or metal. 477-1009

FOUND

Chateau watch with black face. Claim in room 151 of the Refinery Administration Building.

Welcome To The Complex



Gregg Heacock
Heavy Equip. Op. #1
Maintenance North

Kevin Helm
General Helper
Maintenance South

Grady Henley
General Helper
Maintenance North

James Hilton
Pipefitter No. 1
Maintenance South

Carol Hime
Engineer
Process Engrg.-East

Tom Ingram
General Helper
Maintenance South

P. O. Box 100
Deer Park, Texas 77536

Shellegram

Deer Park Manufacturing Complex

Published weekly by Shell's Deer Park Manufacturing Complex for its employees and pensioners. All inquiries should be addressed to Shellegram, Shell Oil Company, P. O. 100, Deer Park, Texas 77536.

Dotti West - Editor