

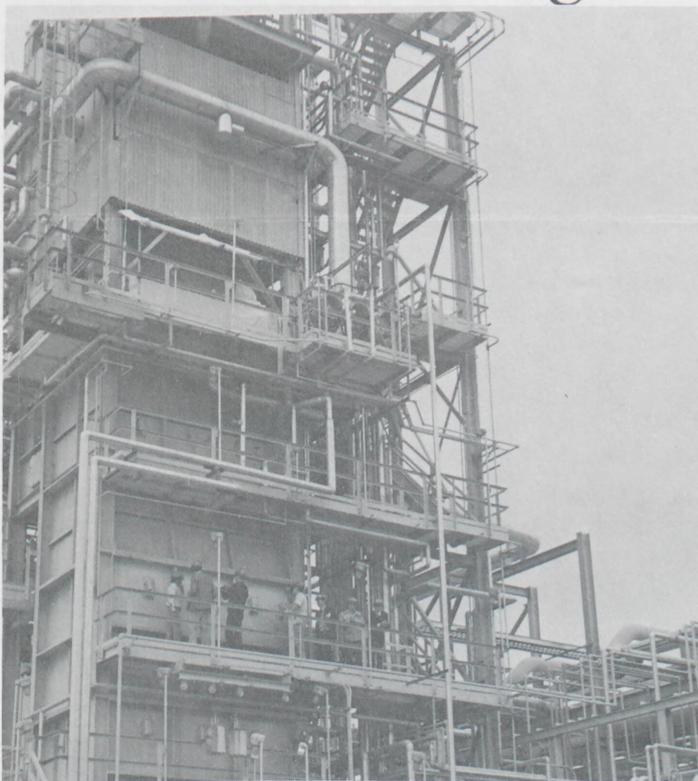
Shellegram

Deer Park Manufacturing Complex

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DPMC testing new olefins furnace



A number of representatives from other olefins-producing companies have toured the new Shell-Kellogg Millisecond furnace since it opened for demonstrations. During a recent symposium, several members of a field tour climbed to the third level of the furnace, where they looked into its firebox. The Millisecond furnace, one of the few in the United States, is 110 feet tall and 35 feet long. It reduces the olefins cracking time to one-tenth of a second, allowing DPMC to increase its efficiency by producing better products from the same feed stocks.

About 150 representatives from olefins-producing companies, including Shell's top competitors in the field, have recently come to Shell for answers. The olefins engineers and managers recently toured the site of a new furnace at OP-III that could increase the efficiency of DPMC's olefins production.

The new technology is being studied in the Millisecond furnace, designed and built by M. W. Kellogg, an engineering contractor. The tour groups, guests of Kellogg, attended a Houston symposium on the Millisecond furnace held at DPMC.

The Millisecond furnace, a joint construction project between Shell and Kellogg, will help DPMC evaluate new methods of "cracking" feed stocks used in the production of olefins.

Demonstrations of it at OP-III will give the olefins representatives a chance to examine the use of Millisecond technology over a wide range of feed stocks. The furnace, which was started up about six months ago, is one of the few of its kind in the United States.

Mike Treybig, Westhollow research engineer stationed at DPMC, explained that the Millisecond furnace provides higher temperatures and shorter "cracking" times than the other furnaces at OP-III. Hydrocarbon feed stocks are exposed to high temperatures in the olefins furnaces where they "crack" into different chemical compounds, like ethylene, propylene and butadiene — raw materials used by the petrochemical industry to produce a variety of consumer goods.

The Millisecond furnace can produce a better product distribution while using the same feed stocks. "The Millisecond furnace will accentuate more valuable products like butadiene and ethylene, and de-emphasize other by-products, like fuel oil and methane," Treybig said.

Shell built the interconnecting lines and a 50,000 barrel feed tank for the furnace. The Complex also provided the feed stock, the operators and maintenance support for the joint project.

After the demonstration period, which will continue for the next 12 to 18 months, the furnace becomes the property of Shell. At that time, DPMC will gain a new olefins furnace and a head start in a new technology.

Trying to avoid the Yuletide hassle

Are you famous for buying that final Christmas gift weeks before Thanksgiving? Then this article may not be for you, but...if you find yourself caught in the smothering, helpless feeling called last-minute shopping, this guide may help.

Shop when stores are least crowded, either right after opening or during the early afternoon "postlunch slump." Avoid the stores on weekends, lunch hours and evenings. And beware of mall traffic. For more convenience, team-shop with a friend whose gift needs are

similar to yours.

Keep an organized shopping list at your fingertips before you begin your Christmas safari. Have names, gift ideas and sizes written down — you can even arrange them in categories to remind yourself to buy similar gifts at one time.

If you're handy, why not make a gift? The thoughtfulness behind homemade gifts gives them a special value. If you don't have the time, add a homemade touch to store-bought gifts — slip a photo inside a frame or a flower in a new vase.

Sewing, knitting, woodworking and pottery are all skills you can use to "mass produce" one present for an entire list of people.

If you do find yourself shopping at the last minute, shop in smaller, specialty stores. From hardware to health food, these stores can provide a wide selection of gifts. How about that antique that might just need a good polish? Or a magazine subscription? If you're too late to order the subscription, wrap up a current issue with a card. Don't forget houseplants, records and pet pleasers.

Classifieds

FOR SALE

1972 Duster 318 V-8. Power steering, power brakes, heavy-duty suspension, 3SP floor shift. Sure-grip diff, buckets. \$800. Call 334-6669.

1978 VW Rabbit. Excellent condition. Air, AM-FM tape deck. 35 mpg, regular gas. \$3,450. Call 668-1718 during the day and 266-1762 at night.

1979 Honda CB 750. 12,000 miles. New tires, etc. Extra clean and in mint condition. Four-in-one headers. \$2,300. Call 641-3634.

1980 Kawasaki. 4,000 miles. Luggage rack, back rest, two helmets. All like new. \$2,300 or best offer. Call 943-2668 after 6 p.m. and ask for Mike.

1979 Yamaha XS 750. Black with gold metal flakes. Drive shaft, plexi-fairing, luggage rack with adjustable seat back. Excellent road bike. \$1,950. Call 530-6936 after 5 p.m.

Ford Tractor. Includes grader blade, 5 foot mower. Tractor has new tires on rear, new clutch, new battery. Engine has been overhauled with new pistons, new sleeves, piston rings, rod and main bearing and valve job. \$2,500. Call 479-3438 or 479-6430.

Brick house. Three bedroom, two bathroom, two-car garage. Fenced backyard, patio cover, fruit trees. \$15,000 down and owner will finance balance. Call 479-2090.

Six lots in Forest Park East. Market value \$2,500. Will accept \$1,800. Choice location. Hilltop Lakes Golf Course lot. Owner moving out of state. Will take offer. Ten acres in Hill Country near Kerrville. Priced to sell. Call 477-1511 (ext. 588) during the day and 472-8927 after 5:30 p.m.

American Eskimo Spitz Puppies. Shots, registered, wormed. Seven weeks old. \$150. Call 479-6679.

Sears Cosmic Pinball machine. \$75. Call 1-538-1504.

GARAGE SALE

Garage sale at 2618 Dunn Circle in Deer Park. Dec. 18 and 19. Toys, high chair, car seat, bike and lots of miscellaneous. Call 479-6649.

Garage sale. Wed. Dec. 16 through Fri. Dec. 18. 4817 Oak Avenue off Preston Road in Pasadena. Call 487-0887.

RETIREMENT PARTY NOTICE

D.J. "Eric" Erickson's retirement party has been changed from Tuesday, Dec. 29, to Wednesday, Dec. 30.



Solvents and Treating recently celebrated a safety record over seafood at Fisherman's Wharf. The DPMC department has gone 12 years without a lost-time accident. Pictured above, relaxing at dinner, are, from left to right, Jeff Campbell, shift foreman, Cheryl Friedel, Mike Friedel, operator, and Ginger Sullivan. The group got some unexpected entertainment after dinner. An Eastern Onion belly dancer delivered a surprise message to David Garner, operator, below, who was celebrating his birthday.



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