

ORGANIC CHLORIDE INCINERATOR DOES JOB VULCANUS DID

The DPMC recently started a new organic chloride incinerator designed to dispose of chemical wastes which previously required the use of the incinerator vessel The Vulcanus. The incinerator is designed to handle 55 million pounds a year of by-product organic chlorides from the ethylenes and VCM units. The incinerator converts organic chlorides into hydrochloric acid (HCl), carbon dioxide and water. The carbon dioxide and water are vented to the atmosphere and the HCl, which is absorbed in water, is neutralized with limestone before being sent to the effluent treaters for final disposal. Sophisticated materials and construction are required

to safely handle the aqueous HCl because of its corrosive nature. For example, graphite heat exchangers are required to cool the HCl; plastic (FRP) scrubbing columns are required to remove HCl from the vent gas;

and plastic lined piping and plastic pumps are required to transfer the HCl.

"Potential uses for the HCl are being studied at the present time," said Rick Erickson, process engineer. (Continued on page 2)

1947 HOUSTON POST FOUND BY LINEMAN McCLUNG



Engineering Field lineman Ron McClung found a yellowed 16-page, 4 Star Edition of a November 1947 Houston Post while working in the PAX room at the refinery. The five-cent issue featured front page articles with the following headlines:

- "Orange Loss in Tornado May Hit \$200,000.
- Poultryless Day Ended; Egg-Saving Will Continue; Angry Raisers Sent Truman Crated Hens.
- Donald Duck's in Town - In Person! At Least That Voice You Hear is Here."

The issue also included a Foley's ad featuring dresses for \$12.95 and raincoats for \$15.95. A classified offered acreage with four room house, barns, etc. at \$83 per acre.



SCORA's Kerry Nation says, "Let's play ball, ladies!" She recruits

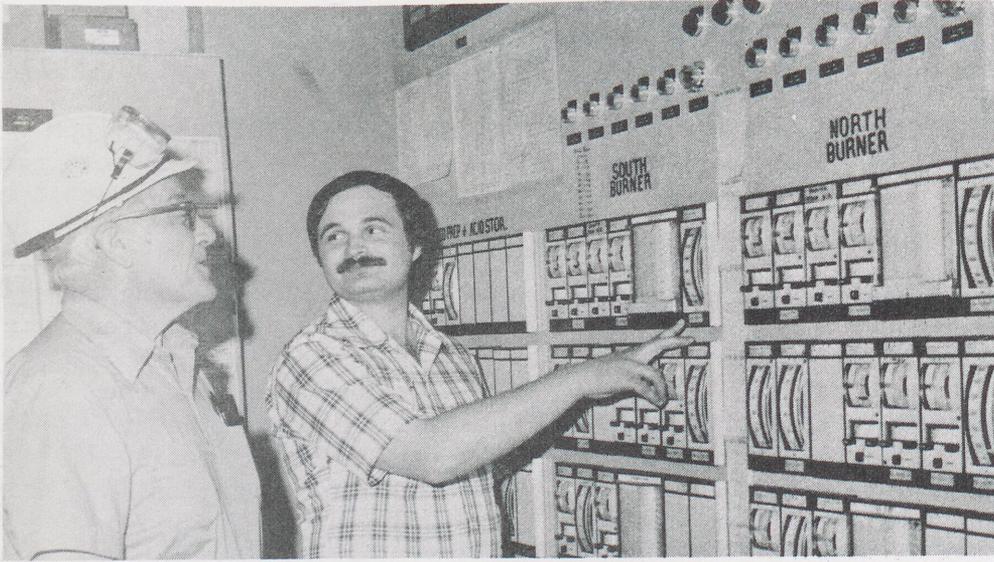
everyone that it's time to sign up for the SCORA Summer Ladies Softball League. Female employees, as well as wives and daughters of employees, are eligible to join the 30 ladies who have already "stepped-up-to-bat." At least four teams are necessary to begin the season.

Write Shirley Garpne on 24 or Kerry Nation on 22 a call for further details.

GRADUATES' ISSUE NEXT WEEK

Next week's Shellegram features the Graduates' Issue. Following week, the Shellegram will have a new format. The new format means that the typing and printing will no longer be done in-house. The Deer Park Process will set the type and the Printing Company will handle the printing.

Organic chloride incinerator does job Vulcanus did. . . .



X breaker Herb Jones (left) breaks in on the HCIN operator's job under the careful guidance of Victor Rebeck.



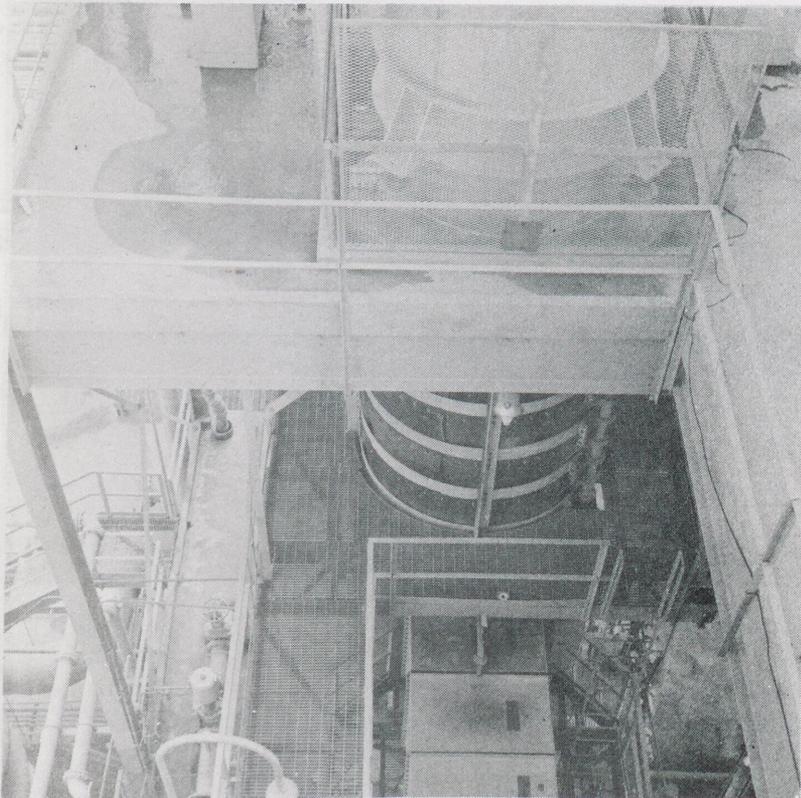
Frank Howard is the operating assistant assigned to HCIN.

manager, V-Intermediates and Solvents, "and it is possible that facilities to remove water from the HCIN unit will be installed so that the HCIN unit can be used as raw material for the VCM unit."

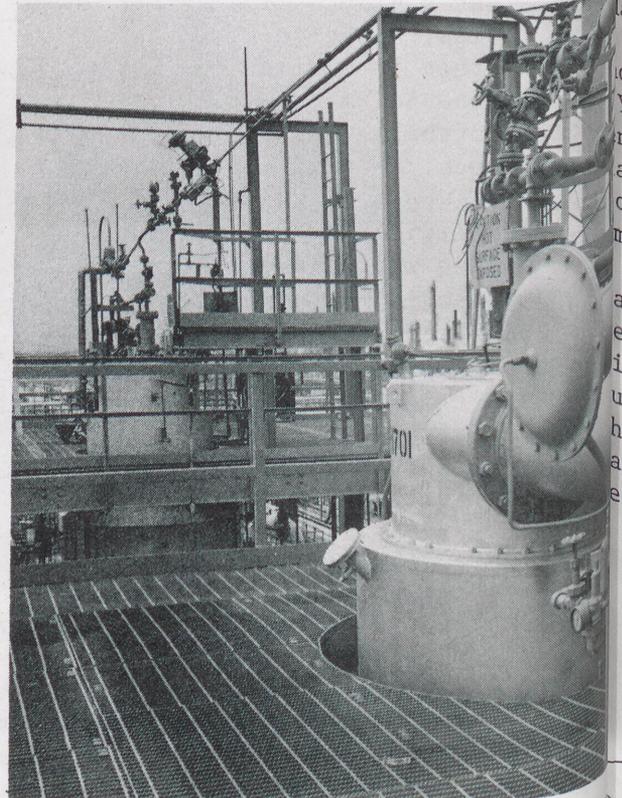
The incineration facility is described by operating assistant Frank Howard as consisting of two parallel burner trains and a common HCl absorption train. The waste organic chloride is mixed with air and burned in combustion chambers that reach temperatures of about 2900 F. The heat generated in the combustion process is removed in graphite quench chambers and primary absorbers. Final HCl removal takes place in the common absorption train.

HCIN operators and foremen began training during February of this year and waste organic feed was started on the burners on April 14.

According to Rick, the startup went very well due to the combined efforts of the operators, foremen, maintenance personnel, and the technical and mechanical support teams.



Looking down from the top of the HCIN unit, one can see the black rubber skirt of the quench section where heat generated in the combustion process is reduced.



At the top of the recently completed HCIN unit are the furnaces which burn by-product organic chlorides into carbon dioxide and water.

WELCOME TO DEER PARK MANUFACTURING COMPLEX



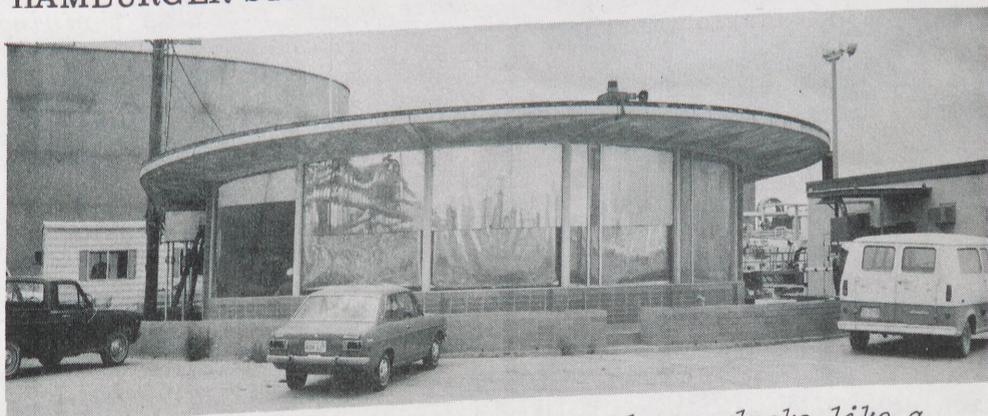
Mickey Muecke, Refinery Laboratory, was having trouble with his three-year-old water heater.

The pilot light would intermittently go out and he wasn't getting the performance he expected. After working on the pilot control valve and consulting three different plumbing shops, he ended up calling the water heater manufacturer for advice. They suggested checking the copper tubing to see if it needed cleaning. Apparently the mercaptan added to the natural gas to cause an odor, attacks copper causing a sooty deposit. Sure enough, when Mickey checked the copper tubing, he found a soot buildup which restricted the gas flow. This restriction caused the pilot light to periodically go out and prevent its efficient operation.

Returning from a weekend trip to New Orleans and finding a small dog with a bright yellow ribbon around its neck can be quite a surprise. Just ask keypunch operator Marguerite Chang. Her "surprise" came with a note attached. It read: "You look like you have enough money to give me a happy home. Love, Poochie." Nearby was a small bag of dog food. Before Marguerite could make up her mind about keeping Poochie, the dog disappeared. She isn't sure what happened, but thinks the owner may have had second thoughts and returned for Poochie.



HAMBURGER STAND AT END OF 30th STREET



From above, the Environmental control room looks like a pecten. From ground level, it takes on a more ordinary appearance.

According to effluent treater operator Bill Matthews, it is commonly referred to as "The Hamburger Stand at the end of 30th Street."

Whatever you call it, a drive down 30th Street means seeing the former showcase for visiting dignitaries.



CLASSIFIEDS

FOR SALE

Chrome dinette set with 6 chairs, excellent condition. \$85.

487-0295 or 487-0334

3-1-1 house in Pasadena close to shopping centers and schools, clean. 472-8713

1974 Yamaha motorcycle Enduro, very good condition. \$450. 946-4510

1976 Monte Carlo Landau, loaded, swivel bucket seats, cruise control, etc. \$4,400 Will consider trade. 476-5865 or 452-2772

Penny's steel toe work boots, size 9½, almost new. \$15. 487-0811

1971 VW bus, one owner, blue/white, \$200 over wholesale. 473-3709

Sofa and chair with reversible plaid-and-solid cushions. \$200 477-7204 after 5 pm

Riding lawnmower. Antique store display case with glass sides, top and shelf. Bookcase with glass doors. 472-3048

Early American dinette set with 6 chairs, good condition. \$85. 479-4239

1976 Ford Good Times Van, loaded. Sell equity or trade for older car. 946-3480

1971 Honda 750cc, good condition, fairing, luggage rack. \$1,000. 337-2086

1976 Ford Van E-150, short wb, mags, custom interior, 20,000 miles, \$7,500 invested. \$6,300. 479-5018

Bushnell 35 mm lens with Cannon mount, case included, new condition. \$45. 479-5018

FREE

Six week old half Beagle and half Terrier puppies. 337-2086

1970 Falcon stationwagon, is. \$300. 479-1772

PERSONALS

We would like to express our many thanks and appreciation for the wonderful party, scroll and treasure chest we received from all of our friends at the DPMC.

- Si and Chloe Simonsen

TOMATO PLANT THRIVES AMONG PIPELINES



This tomato plant is thriving in its sunny chemical location among pipelines containing sulfuric acid, sludges, hydrochloric acid, caustic and water.

Discoverers Dixie Lee Perry and John Wood are keeping watch over the large plant which is expected to bear fruit any day now.

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 151, Refinery Administration.

SHELLEGRAM

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Dotti West, Editor

Reprints allowed only by request. To submit news and photographs, call extension 6301 or send material to SHELLEGRAM, Refinery Administration, Room 151.