

Shellegraph

Houston Refinery

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CIMA DEMONSTRATES EFFICIENCY IN MEETING EMERGENCIES AT INDUSTRIES



The Atlantic Richfield fire crew, members of CIMA, extinguishes a tank fire with foam. The Port Authority fireboat Capt. Crotty assists in the operation.

Members of Channel Industries Mutual Aid (CIMA) Wednesday demonstrated how the co-operative can respond quickly and efficiently to an explosion and fire at a Houston area refinery.

Fortunately, the emergency was only a simulation and part of a full-scale drill conducted by CIMA members at Shell Oil

Company's Houston Refinery.

According to Ed Atteberry, vice-chairman of CIMA, the co-operative conducts such a drill each year in order to maintain a high state of readiness among its 48 member organizations. This year's test required the fire fighting and rescue teams to cope with several types of fires that could occur at a large refinery.

The first crews began arriving at the Refinery shortly after the emergency alarm was sounded at 9 a.m. Within a few minutes, several fire fighting teams were on the scene extinguishing fires in storage tanks, pipe racks, and open pits. First aid crews also provided assistance to emergency "victims". These tests were conducted at the refinery's fire training area near the Ship Channel.

In all, 180 men and women operated 17 fire trucks, 4 ambulances, 8 rescue and emergency trucks, a Red Cross disaster truck, 2 helicopters, and 2 fire boats.

Local government agencies also participated in the drill. Assisting member companies during the exercise were the U.S. Coast Guard, Houston Port Authority's fire boat, Captain Crotty, and Harris County Sheriff's personnel.

RENO REPORTS ON EFFECTIVENESS OF OIL SLUDGE DISPOSAL PROJECT

A recent study by Shell Oil Company shows that refinery oil sludge wastes can be effectively disposed by natural biological processes in the soil without damaging the environment. It also demonstrates that this technique, called soil cultivation, offers a useful alternative to disposing of these wastes by incineration.

Results of the study were reported Wednesday by Gordon Reno, manager of environmental conservation at Shell's Houston Refinery. He spoke at the Water Pollution Control Federation's 45th Annual Conference in Atlanta.

Reno pointed out that soil cultivation has been in use for several years. However, until Shell's recent study, detailed information about the degradation process and its possible effects on the environment was limited.

The 18-month study was conducted at Shell's Houston Refinery under the joint sponsorship of Shell and the Environmental Protection Agency's Research & Monitoring Office.

According to Reno, the soil contains millions of microorganisms capable of decomposing carbonaceous materials, including oil. Soil cultivation is simply a method of putting these microbes to work to dispose of various oil sludge wastes from light crude

to waxy oil.

The sludge is first spread over a plot of plowed ground. It is then thoroughly mixed into the soil using a roto-tiller.

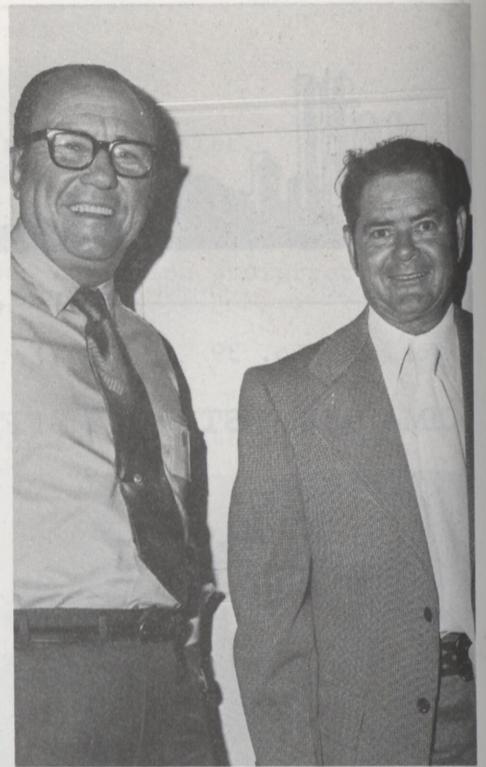
Once in the soil, the waste sludge becomes food for the microorganisms. As the oil is digested by the microbes, it is transformed into harmless substances such as carbon dioxide and water.

When fertilizers are used on the plot, the degradation process is greatly accelerated, explained Reno. With fertilizer, about one pound of oil waste can be disposed of each month for every cubic foot of soil under cultivation. This is almost double the decomposition rate for unfertilized plots, he said.

Researchers also found that the oil and fertilizers did not penetrate beneath the top layer of soil. Thus, there was no seepage of contaminants into underground water zones.

The study did show that water run-off from heavy rains contained small amounts of organic acids. For this reason, it is recommended that run-off from soil cultivation plots be collected and treated before being discharged.

CLASSIFIED



EMPLOYEES, PENSIONERS GATHER FOR A DAY



Pensioners and long-time employees mingled at the once-a-year event. L-r, from top to bottom are R. R. Sawyer, Augie Walters, B. R. Powell, K. E. Christensen, and Lefty Bishop. W. T. Riggs, C. A. Nichols, A. C. James.

Mrs. W. L. Caldwell, W. E. Cliber, R. H. Gorman, J. A. Nelson, C. M. Wallace, Jimmy Miller, and H. M. Wallace.

R. C. Whitley, T. A. Hiatt, Jim Massey, J. G. Pratt, and W. H. Reynolds.





OF REMINISCING AND CATCHING UP ON NEWS

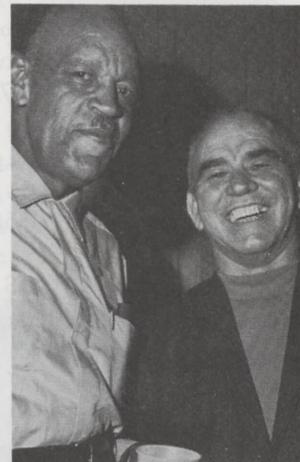
Food, fun, and fellowship were on the agenda for, 1-r, top to bottom, E. C. Hartman, Mrs. M. E. Gremillion, M. R. Drew, Hal King, H. F. Laake, George Ehrensberger, Jimmy Rollins, A. L. Williams, Johnny Fountain (who was the first at the party) Hortense H Hines, Edna Earl Heyen.



George Blanyer, Pete Gilliam, Bill McCarley, and J. M. Fincher.



A. S. Mitchell, J. C. Valdez, M. S. Smith, C. T. Archer, Floyd Pierott and Sam Orr.



Others are N. Brown, J. Denley, Bruno Simon, a retired safety man, Lawrence Mancuso, Roberta Reeves and Glenn Boatright.



CLASSIFIEDS

FOR SALE

Golf Clubs (Doug Ford), 4 woods, irons 2-8, plus 2 putters & sand wedge, pair size 10½ shoes, \$80. Wilson lppb Therapy unit, \$175. Telephone: 944-1989

'70 Chev Impala, 4 door, a/c, power, new tires, 36,000 miles. Telephone: 643-5655

'71 Honda 350, 17,000 miles. \$550. Telephone: 649-3273

Dune buggy, metalflake red, chrome roll bar & rims, all weather top & side covers, radio & custom console, tow bar included. "A deer hunter special", \$695, Telephone: 485-3064

Busch 4x5 Press camera & accessories, \$40. Telephone: 333-2750

Winchester Model 190 .22 auto rifle, like new. \$40. Telephone: 472-4998

Americana encyclopedias, \$25. Hotpoint kitchen range, electric, white, \$50. Deep-freeze-Hotpoint-upright, 18.5, \$50. GE washing machine, coppertone, \$50. Kittinger recliner chair, tones of brown-tan, \$50. Red shag area rug with pad (12'x12') \$50. Greenery, 6 ft. spread, \$45. Telephone: 472-4457

1972½ Honda CB 350 K-4, Candy gold, 500 miles, in warranty til 1-21-73, with extras. \$850. Telephone: 473-3128

1968 Honda 160 Dream, runs good, \$200. Telephone: 477-7240

1 acre of land for sale in Crosby, Green Acres Street, owner. Telephone: 477-7240 or 479-2082

11.5 cu. ft. refrigerator, very good condition, 2 years old. \$65. Telephone: 479-5589

Garage Sale, 1014 S. Johnson, Pasadena. Last day, Friday, Oct. 13.

Falcon, '62 station wagon, 4 dr., auto trans., needs starter, will push start to drive home. \$45. Telephone: 473-5279

Lot, Hulon Lakes subdivision, FM 1097, 4 mi. east of Point Aquarius, 3 lakes. Reasonably priced now before Lake Conroe fills. Telephone: 479-3707

'72 Toyota Celcia, excel. cond., air & mags, \$2700. Telephone: 479-2500 or 477-5160

Six lots, 50x110, three side by side & back to back in one tract. Battleground Estates in Lomax, water & sewage, \$6,600. Telephone: 473-2268

1964 VW Beetle, radio, excel. mech. condition, good body, cond., good tires. \$400. Telephone: 479-2930

General Electric clothes dryer in good cond. 16 lb. capacity, three temperature settings, fluff cycle, white, \$75. Telephone: 479-3848 after 6

Story & ½ 4-bdrm., 2-bath, 2-car-garage home, cent. air & heat. College Park Dr., \$25,000 or equity. Telephone: 479-2083 or 472-6195

Panasonic turntable, almost new, \$30. Polaroid 350 camera with built-in timer, flash attachment included, \$50. Telephone: 481-0430

32" box wood heater, cast iron, ideal for cabin or deer camp. New condition, cost-\$52, sell for \$35. Telephone: 946-7029

Lowrey electric organ, walnut finish, needs tuning, \$350. Telephone: 487-0800

14 ft. Travel Trailer, 1966 model "Jay Dee", clean, \$700. Telephone: 453-7927

Shampoo bowl .. hydraulic chair, very good condition, \$75. Telephone: 473-6534

4 piece brown nylon (freize) Kroehler living room suite, like new, too large for retirement home. \$150. Telephone: 487-3056 weekdays only.

Baby crib and mattress, excellent condition. Telephone: 946-6797 anytime

WANT TO BUY

Lionel train and equipment. Telephone: 333-2750

SHELL CONTRIBUTES \$472,000 TO UF, INCLUDING \$41,366 FROM REFINERY

Shell Oil Company presented a check for \$472,000 last Friday to the 1972 Houston and Harris County United Fund campaign. It is the largest donation ever made by the company to the local drive and represents contributions by the Shell Companies Foundation, Inc., and 8,600 Shell employees in Harris County. This amount was made up of employee contributions to date amounting to \$287,805 of which \$41,366 was contributed by Houston Refinery employees, and the Shell Companies Foundation of \$185,000.

Last year's contribution to the United Fund totaled \$411,821, of which \$236,821 was employee contributions and \$175,000 was from the Foundation.

Newt Hoverstock, General Campaign Chairman, and Jeff Blanchard, the 1972 United Fund poster boy, received the check from J. W. Sheehan, Vice President of Manufacturing and MTM Research.