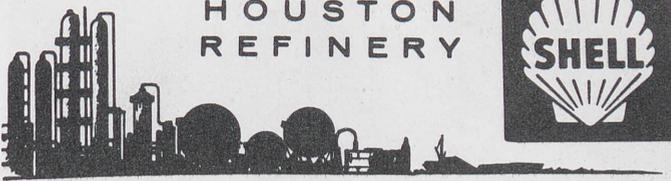


SHELLEGRAPH

HOUSTON
REFINERY



No. 15

Friday, April 10, 1970



Dale Johnson inspects the spraying of the polyurethane foam on the butylene fractionating columns in the background.

Another First POLYURETHANE FOAM INSTALLED ON BUTYLENE UNIT FOR INSULATION

Employees of the Engineering Services and Engineering Field Departments have come up with another first during the shutdown of the butylene fractionating unit at the Light Oil Fractionating Unit.

Dale Johnson, Inspection Engineer, Engineering Services, suggested a new way to insulate two fractionating columns in the Distilling Department's LOFU.

These two columns had a special corrosion problem because the low operating temperature of 130° to 170°F did not allow rain or humidity in the asbestos block insulation to dry. So, Johnson, Engineering Services' Larry King, and C. O. Coulter, Engineering Field, are applying a preventive measure in the form of a polyurethane foam. The polyurethane foam is atomized from a spray gun and it polymerizes into air bubbles which seal together forming a smooth non-porous surface.

In normal density, the average weight of the foam is only two pounds per cubic foot. Being self-adhering to virtually any surface, it requires no support or banding, and the monolithic structure eliminates joints and voids in the insulation. By means of re-

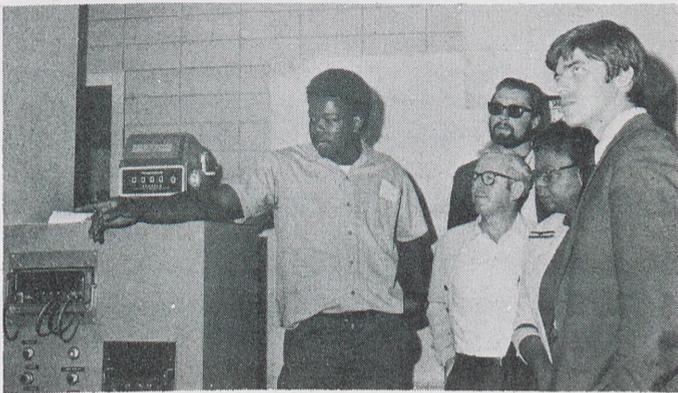
FORMER ENGINEERING SUPERVISOR, J. P. HADDOX DIED MONDAY, APRIL 6

J. P. Haddox, Pensioner, died Monday, April 6. He was 59.

He is survived by his widow, Mrs. Rose R. Haddox, and two daughters.

Haddox retired in 1968 as Engineering Supervisor, Engineering Field, with 32 years of service. He began working as a Laborer in Engineering Field and progressed through different positions in that department.

Burial was Wednesday, April 8, at Forest Park, Lawndale.



W. H. Braggs, Pumper Gauger, (1) takes time to explain the Tank Farm Control House to teachers in the Upward Bound project. More pictures on Page 3.

UPWARD BOUND STUDENTS VISIT PLANT TO LEARN ABOUT JOB OPPORTUNITIES

A group of 80 high school students who participate in the Upward Bound project got a chance to learn more about opportunities in the business world and refining processes when they visited the Houston Refinery last Saturday.

Upward Bound is a pre-college preparatory program designed to generate skills and motivation necessary for success in education beyond high school among young people from low income backgrounds.

Through the program the students meet at Texas Southern University every Saturday and are in residence for six weeks during the summer for exposure to the many different careers available. Students are chosen because of low income and because many of them lack ambition to progress further than high school.

Al Abrahams, Research Chemist, at Shell Development Company's E&P Research Center, who was along for the tour, is coordinator of vocational guidance career seminars held each Saturday. He arranges for representatives of many different professional fields to speak to the students about their duties and goals.

During the Refinery tour, R. L. Bryan, Manager Safety, gave a talk on refining processes, Chuck Rivers, Shell Chemical, explained the film, "The River Must Live," and answered questions on pollution.

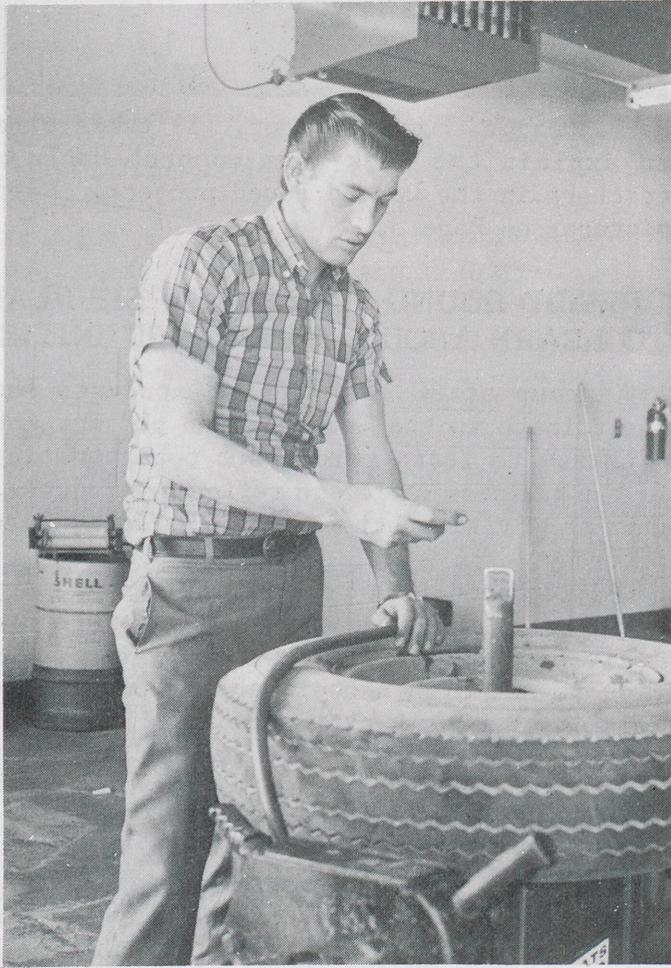
R. J. Fikar, Assistant Manager Personnel, acted as tour guide along with Bryan.

The group was accompanied by Mrs. Versie Shelton, Administrative Assistant, and Mrs. Martha W. Collins, Counselor, Upward Bound Project. Several high school teachers who participate in the Saturday programs also visited the refinery with the group. They were Stedman E. Cary, Dr. George L. Robinson, Mrs. Jennie M. Walker and Larry Connally.

SHELL SERVICE STATION AT REFINERY ENTRANCE OFFERS CONVENIENT SERVICE



Waymon Rogers conducts the day's business from his modern private office at the Shell Service Station at the Refinery entrance.



Attendant fixes a flat, one of the many services of the new service station.

The Shell Service Station has been operating under a contract manager since it opened several months ago while the new manager is attending dealer training school.

The official manager will assume managerial responsibilities in about six weeks. In the meantime, a staff of employees from Employees Overload and some young men from the Deer Park area are working at the station.

The contract manager is Waymon Rogers who has been operating stations for Shell for about 10 years.

The station, open 24 hours a day, offers the usual services--washing, lubricating, oil changes, and flat fixing.

When the new manager takes over, a mechanic will be added to the staff and road service will also be offered.

For service call 479-9147.



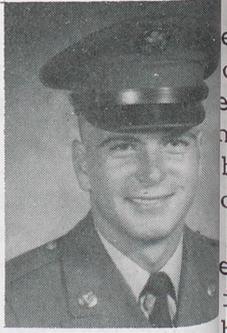
Two Employees Overload men who work at the station make sure the cigarette machine is in proper working order.

DANIEL SCHULTZ HOME ON LEAVE BEFORE GOING TO CANAL ZONE

Daniel Lee Schultz, son of Ed Schultz, Lab Technician, Refinery Lab, is home on leave from the U.S. Army.

The 20-year-old Pfc., who graduated from Deer Park High School, will report to Charleston AFB before being transferred to the Panama Canal Zone for jungle training.

He will then go to the overseas replacement station at Oakland, California.



Miss Carol Lane qualifies as women's tool director for Shell Oil Company by schooling herself on everything from what's inside a car to what's inside a suitcase. Miss Lane has recently completed a booklet called "What's a Nice Girl Like You Doing Under the Hood of Your Car?", which is available at the Shellegraph Office.



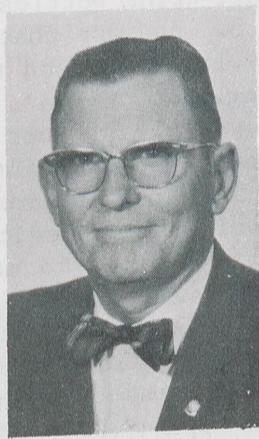
Bob Bryan explains the biofilter to Mrs. Bernsie Shelton during the Upward Bound tour.

Each Year ALLMARK NAMED SCHOOL CHAIRMAN OF OIC COMMITTEE IN HARRIS COUNTY

Manager Personnel L. J. Hallmark has been reappointed Harris County School Chairman for the Oil Information Committee of the Texas Mid-Continent Oil and Gas Association. This will be the fifth year that he has been the OIC's representative in Harris County for the various schools.

Throughout Texas, OIC members stand ready to assist organizations with their programs. OIC offers speakers, demonstrations, and a wide variety of films on oil and gas industry subjects. OIC programs are designed to bring entertainment and information to audiences such as civic groups (Lions, Rotary, Kiwanis, and Civitan), women's organizations (business and professional), churches and schools assembly programs and PTA). All OIC programs are free of charge.

In his position as the OIC's Harris County School Chairman, Hallmark is responsible for providing the schools in his area with the many OIC services described above. He has assisted in this endeavor by about 10 committee members from various oil and gas companies in the county.



POLYURETHANE FOAM INSTALLED

Continued from Page 1.) created passes of the spray gun, foam may be built up to any required thickness in increments of approximately one inch. The high thermal efficiency results in the need for less than one half as much insulation thickness as required of the most commonly used block insulation.

The two 7-foot diameter by 126-foot high columns were insulated this week, and a corrugated aluminum covering will be installed next week.

This is the first time the polyurethane has been applied to any columns in the Refinery, but it has been used on storage tanks before. The foam is most commonly used for sealing roofs and insulation of buildings.



Chuck Rivers, Shell Chemical, explains the Company's ever-continuing work in air and water conservation to Dr. George L. Robinson.



Viewing the Distilling construction were teacher Larry Connally and some of the students in the Upward Bound project.

SKEAHAN ORGANIZES NEW 4-H CLUB FOR DEER PARK SCHOOL CHILDREN

Thomas Skeahan, Operator #1, PXU Aromatics, has been instrumental in organizing a 4-H Club for Deer Park students aged 9 through 19.

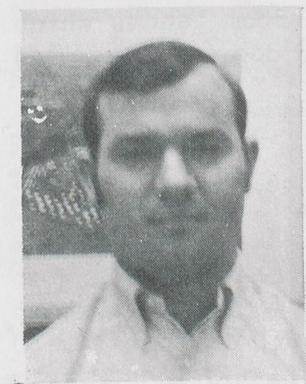
Applications have been sent out to all Deer Park schools and so far 160 students have applied. About 60 parents met at the first meeting held last Monday at the Deer Park Junior High School cafeteria.

Leaders were chosen at the meeting for the many projects they will undertake. The projects include care of calves, swine, horses, dogs, rabbits and poultry, veterinary science, child care, leadership, public speaking, time and money management, and many others.

4-H projects are designed to help youngsters learn skills and to become better citizens.

The next meeting will be Tuesday, April 14, at the Deer Park Junior High School. Skeahan says he will be glad to give information and applications to anyone who is interested or that they may go to the next meeting to enroll.

WELCOME TO SHELL



Ronald J. Novosad
Lab Assistant
Refinery Lab



Sixty junior chemical engineering students from Texas A&M University visited the Refinery recently for a tour to learn more about the petroleum industry.

CLASSIFIEDS

FOR SALE

Set of side mount bolt-on low profile tool boxes for pickup truck, \$150.
Telephone: GR 2-3018

9-N Ford Tractor, 3 point hookup, also brush hog, grader blade; 5 hp garden tiller.
Telephone: 578-2384 at Crosby.

22-inch self propelled lawnmower, good running condition, \$25.
Telephone: 946-6611

ALL USED: Indoor-outdoor swing horse for child, used bathtub, 2" & 4" cast iron sewer pipes, doors & door frames, door & window facings, moldings, 5 ft. fan with motor, 30-gallon electric water heater, 40 ft. (3 pieces) wooden porch railing, hardwood stairs with railings, white oak hardwood floors, youth bed.
Telephone: 472-8445

FREE

One or both, two lovable male "mutts" desire country home, away from fences which they hate (and climb) and dog catchers whom they love (and chase).
Telephone: 473-1188

To haul off--electric stove.
Telephone: 479-3355

WANTED

Two bar stools
Telephone: GR 2-1273 after 5 p.m.

A. L. WILLIAMS, OPERATOR NO. 1 RETIRES IN DISTILLING DEPARTMENT

A. L. Williams, Operator #1, Distilling, retired recently.

He began working for the Company in 1935 as a Laborer in Engineering Field.

He and his wife, Ebla Marie, will make their retirement home at 202 Robin St., Deer Park.



REDUCE ACCIDENTAL POISONING BY KNOWING, FOLLOWING RULES

The following precautions, if conscientiously observed, would drastically reduce the number of accidental poisonings:

1. Keep household products and medicines out of reach and out of sight of children preferably in a locked cabinet or closet. Even if you must leave the room for only an instant, remove the container to a safe spot.
2. Store medicines separately from other household products and keep these items in their original containers--never in cups or soft-drink bottles.
3. Be sure that all products are properly labelled, and read the label before using.
4. Always turn the light on when giving or taking medicine.
5. Since children tend to imitate adults avoid taking medications in their presence.
6. Refer to medicines by their proper names. They are not candies.
7. Clean out your medicine cabinet periodically. Get rid of old medicines by flushing them down the drain and wash out the container with water before discarding.



When G. W. Glasgow retired from the Pattern Shop, his friends gave him some fishing rods and reels. Here Larry King, left, and Gibson, right, make the presentations.