



Shellegraph

Houston Refinery

No. 51

Thursday, December 31, 1970



Joe Casas, who has never won anything in his life, is congratulated by Jess Campbell, Credit Union Manager (1) for having a lucky account number and winning a color television. Accompanying Joe when he picked up the set were wife, Beatrice, and daughter, Charlene Juanita.

B. C. ROPER BECOMES OPERATIONS FOREMAN IN DISTILLING DEPARTMENT

B. C. Roper has been named an Operations Foreman in Distilling, effective December 24. The appointment was announced by J. R. Cox, Manager Distilling.

Billy joined Shell in 1947 as a Loader in the Dispatching Department. He moved to Gas and Thermal Cracking in September 1947 and progressed to Operator No. 1 in that department in October 1954. He moved to the Distilling Department in April 1970 where he served as an Operator No. 1.



WOOD RIVER REFINERY EXPLAINS AUTO EMISSION RESEARCH TO WRITERS

The Wood River Research laboratory hosted technical writers from magazines and newspapers throughout the country last month during a day-long seminar to explain some of the company's advanced work in the drive for cleaner air.

The WR site was chosen because it is the center of Shell's research effort to design products that will be compatible with automotive emission-control equipment.

The research lab's role in fighting pollution from cars must be viewed in connection with developments in the automotive industry, the writers were told. Major strides have been made in the last decade. For example, a car made in 1960 put out about as many emissions as five vehicles from the 1970 production line. However, that statistic, it was pointed out, applies

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BRYANT, HUNGERFORD, WEBB RETIRE JANUARY 1 AFTER LONG SERVICE

Sam Bryant, Merle R. Hungerford, Jr., and Russell L. Webb are retiring January 1.

Sam Bryant began working for Shell as a Laborer in Engineering Field in 1952. He has served as a Yardman, Sample Carrier, Gardener, and Laborer and Truck Driver. He will make his retirement home at 7958 Bonaire, Houston.

Hungerford, Engineer, Tech Department, is retiring with 22½ years of service. He began working for Shell in 1948 as a Junior Technologist at the Wood River Refinery after receiving an M.S. in chemical engineering from the University of Michigan. He became a Technologist in 1949, serving in different departments, and then assumed a temporary assignment in Head Office Oil Movements Task Force in 1963. He was later assigned to the Information & Computer Services Systems & Programming Division at the Houston Data Service Center, becoming an Engineer in 1967. He moved to the Houston Refinery in January 1970. He and his wife, Frances Elizabeth, live at 7714 Hiawatha, Houston.

Webb began working as a Laborer in Engineering Field in 1934 later serving as a Pressureman, Fireman, Flash Pot Operator, Gauger #1, and Operator in the Cracking Department. He has served as Operator #1 and Shift Foreman in the Cracking, Gas and Aromatics Departments. A native of Houston, he attended local schools. He and his wife, Gayle, live at 1917 Monroe Drive, Pasadena.



Bryant



Hungerford



Webb

SHELL DEALERS TEST EXACT CHANGE PLAN TO PROTECT AGAINST HOLDUPS

The all night service station, long a prime lure for holdup men, may soon be a less tempting target for a midnight raid. Its defense? --No cash in the till.

Under a test program now in effect, certain Shell service stations in the Houston area will not carry money or make change for sales during the night hours.

Shell is extending the test plan to Harris and Galveston counties after observing success in New Orleans, La., Tampa, Orlando, and Miami, Fla., and Dallas, Tex., reports Donald F. Lichtenauer, manager of the firm's Houston marketing district.

"We already know of two holdup attempts that have been thwarted in New Orleans because stations did not have accessible cash," said Lichtenauer.

"We realize that at first some of our customers may be inconvenienced, but we also know that over the past two years, 10,000 all-night service stations in the United States were hit by thugs. Nineteen dealers and attendants were murdered in these robbery attempts."

Signs prominently placed in the pilot stations will inform the public that sales during the night hours will be made only for cash in the exact amount of the purchase

VEHICLE REGISTRATION RENEWAL MAY BE DONE BY MAIL AGAIN IN '71

If you own one or more of the more than seven million motor vehicles in Texas, there is some important mail coming your way early in January.

It is your registration renewal application.

This is the second year of operation for the new easy computerized registration procedure devised by the Texas Highway Department.

Also, it is not necessary to present last year's registration receipt or the certificate of title. The renewal application you will receive in the mail is all you will need.

Registration begins February 1 and continues through April 1.

The renewal application will arrive in the mail in a slender envelopemarked, "Important--This is Your License Plate Renewal Application."

After the registration period begins February 1, each vehicle owner can take the renewal application and the fee to his county tax office, or he can order his plates by mail.

If the owner wishes to register his vehicle by mail, he should send the entire three-part renewal application, the fee and an additional \$1 to the local county tax office as early as January with the understanding that his license plates may not be mailed until February 1.

The additional \$1 charge covers cost of handling and postage.

If owners are to receive their plates by mail before the April 1 deadline, then they must send the renewal form, fee and \$1 for each vehicle to be registered to the local county office by March 1.



Feeling safer in his job, Ray Thornton, operator of Ray Thornton's Shell Service, Old Spanish Trail at Calhoun, Houston, deposits sales receipts in a safe which cannot be opened until morning. The new "exact change or credit sale only" program is now in operation during the night hours.

or through credit card. The attendant also will notify the customer that he does not carry change. All cash will be deposited immediately in a specially-designed safe which cannot be opened until morning.

"Shell is testing the program because we face a dilemma," Lichtenauer explained. "We are anxious to provide efficient, round-the-clock service to our customers. At the same time, we want to protect our dealers and their employees from robbery, possible assault, and even death.

"All service station dealers for some time have experienced difficulty in hiring reliable men for night work. Frankly, many are afraid to be alone with a cash drawer handy in the middle of the night. We understand their feelings; it is another result of the nation's growing crime rate," he said.

Shell does not anticipate great inconvenience to its customers since most night purchases are for gasoline and oil rather than for more costly items such as tires and batteries. Credit cards are also in common use.

"Bus, streetcar, and subway fares in major United States cities for some time have required exact change. The public has cooperated in these efforts to foil holdups. We believe that motorists will respond in the same way," Lichtenauer concluded.

The company will study closely the reaction of its customers to the new plan. If the public accepts the idea and cooperates in the program, night time exact change sales soon may be general procedure with Shell dealers throughout the area.

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Mrs. J. B. Ochoa--Editor

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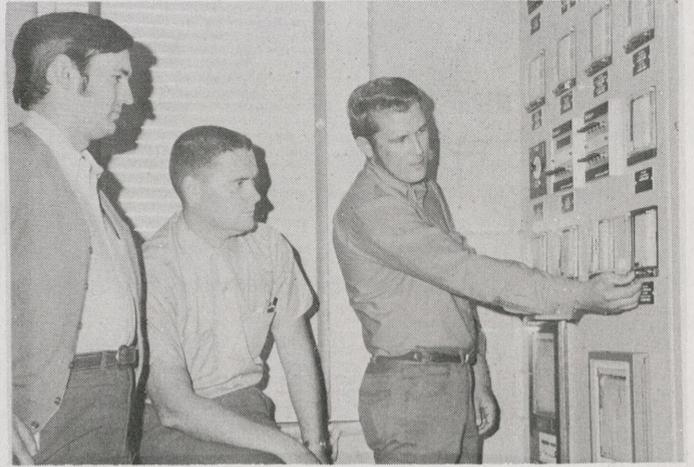
KEEP CAR TUNED FOR CLEAN AIR--
(Continued from Page 1.)

to cars as they leave the factory. When maintenance is neglected, tune-ups postponed, even late-model cars with anti-pollution devices can foul the air.

And that, engineers and scientists told the group, is where the laboratory comes in. It's the lab's job to develop fuels and lubricants that will keep the new emission-control equipment working long after a car leaves the showroom window. To do this, the experts said, Shell's work starts well before the automotive industry's production. The research lab is usually working on products that won't be on the market for at least five years. The products are tested on prototypes that automotive engineers think might see future applications.

The writers were shown how Shell brings the road into the laboratory and the laboratory out on the road to study emissions from internal combustion engines. During a tour, the visitors witnessed miles being logged on a car under simulated conditions at the outdoor chassis dynamometer facility where rollers allow car wheels to spin normally while the car remains stationary. The group also heard an explanation of the research laboratory's hitherto-secret MILEAGE car, a mobile laboratory that can measure up to 40 different variables and take information at the rate of 444 pieces a second while it is on the road.

At other points on the tour, the writers learned about detailed analyses performed on gasoline and exhaust components; tests to improve engine cleanliness and prevent valve wear conducted at the 12-engine facility where two banks of engines are operated to simulate driving conditions. Also, kinetic spectroscopy, a technique that permits study of what is going on inside a combustion chamber at the instant reactions occur; the increase in emissions caused by a poorly tuned engine; tests conducted on cars that have used Shell fuels to see how the results conform to federal standards; and tests to measure evaporative emissions from an entire car while it is in a plastic "garage";



Engineers Jim Gilbert and Tom Farrior observe as R. E. Cribs, Operator No. 1, makes an instrument change during the start up of the new EAA unit at Shell Chemical. Gilbert headed the operations start-up team and Farrior was a member of the process team.

SHELL CHEMICAL STARTS UP NEW ANHYDROUS ETHANOL FACILITY

Add another product to the fast growing list of those produced at Shell Chemical's Houston Plant as the anhydrous ethanol facility was successfully put into operation here in November.

The new facility, which most noticeably consists of two distillation columns, will be operated by E Department and will produce pure ethyl alcohol (200 proof, or anhydrous) from 190 proof ethyl alcohol obtained from the older EA unit.

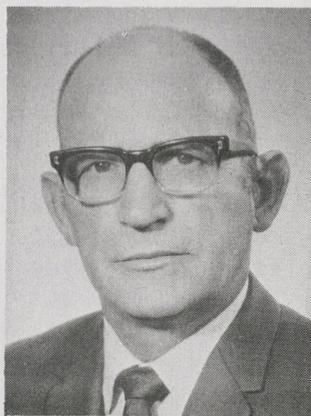
Construction of the EAA (ethyl alcohol anhydrous) unit began in April of this year and was completed in late October. Start-up personnel from the Houston Plant and the Emeryville Research Center were on hand to put the new facility into operation.

Anhydrous ethanol is used as an aerosol carrier solvent in such popular consumer products as hairspray and deodorant. Because of the nature of aerosol products it is important that anhydrous ethanol has a good odor. Anhydrous ethanol also has numerous other industrial uses.

SERVICE ANNIVERSARIES



30 Years
B. J. Faulkner, Jr.
Engineering Field



25 Years
B. G. Bagwell
Dispatching



25 Years
V. A. Maggio
Hydroprocessing



25 Years
A. H. Nitsch
Engineering Field

TREASURY DEPARTMENT HOSTS CHRISTMAS DINNER PARTY



Guests at Treasury party included Harold and Margie Samford, Alicia and Robert San-

chez, Ina and Bob McClure, Kirby Henry, and Mr. and Mrs. Charlie Walker.



Seated at dinner were Mr. and Mrs. Herman Dodson, Mr. and Mrs. Brice Hendricks, Mrs.

John Hannan and Mr. Hannan. The party was held at Ellington Officers Club.

CLASSIFIEDS

FOR SALE

Brand new 2-burner Coleman stove, brand new 2-burner Coleman lantern, can of Coleman fuel, \$17.50.

Telephone: 477-4104

1967 Chevrolet Impala Super Sport 396, 4-speed, new tires, excellent condition, 40,000 miles, \$1595.

Telephone: 473-7539

1966 Honda CB 160 in excellent condition, electric starter, plus 2 new helmets and solid chrome front fender, \$295.

Telephone: 477-4104

Cemetery lots in South Park Cemetery on Telephone Road, 2 spaces, both for \$225 cash.

Telephone: 472-5906 after 6.

2 Federal enlargers, day loader, 35 mm tank--Kodak, Kodak 620, 126, & 35 mm all purpose film loader, professional Wratten Series OC safe light, brand new Bogen adjustable easel, stop bath, developer, toner kits,

rubber roller, ferrotype tin, 25 sheets of 8x10 Brovira, 25 sheets 8x10 Kodak Y silk photo paper, 25 sheets Azo 5x7 paper. All or nothing, \$25.

Telephone: 477-4104

1967 Philco 14 cu. ft. frostfree refrigerator, no scratches, \$95.

Telephone: 477-4104

2-month-old 23 channel CB radio Allied 25-22, 5 watt, with fiberglass whip antenna, excellent base station or mobile rig, 5½x2x8 inches, both for \$65.

Telephone: 477-4104

1959 Volkswagen, needs motor, good dune buggy material, recently had brake job, \$75.

Telephone: HI 2-7685

PERSONAL

I would like to express my thanks to my many friends for their thoughtfulness and help since my automobile accident.

Lydia Ferris