

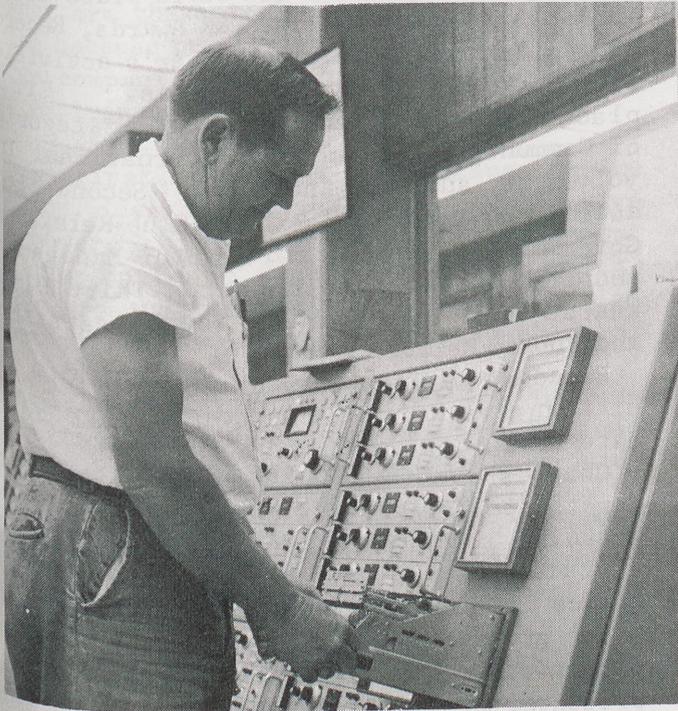
Shellegraph

Houston Refinery

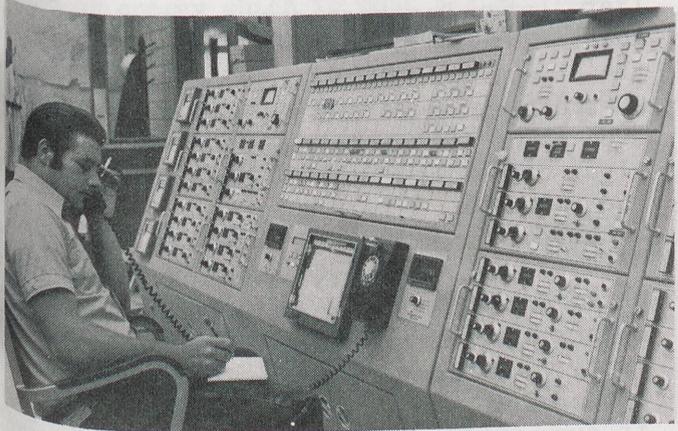
No. 19

Friday, May 28, 1971

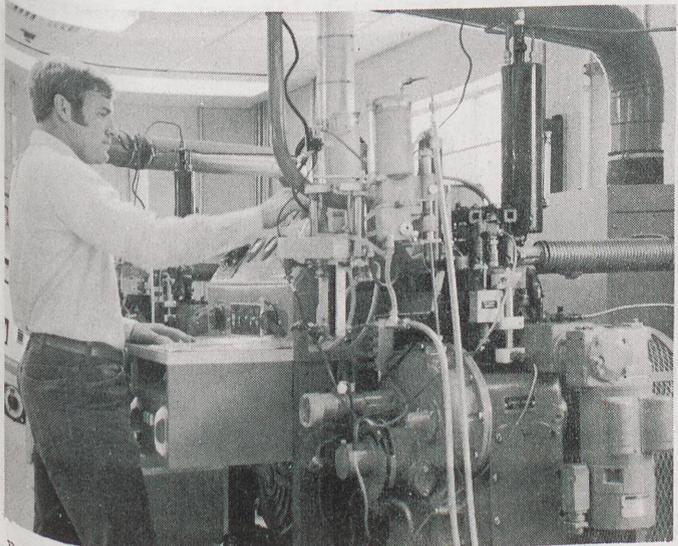
IN-LINE GASOLINE BLENDING UNIT ON STREAM, UPS CAPABILITY TO 100,000 B/D



Checking instruments, W. H. Baker, Instrumentman #1, Engineering Field, runs maintenance check on console.



G. C. Conard, Pumper #1, Dispatching, on duty at control console for the in-line gasoline blending system transmits information.



Don Moore, Pumper #1, runs a test on the octane analyzer in the new building.

With the new in-line gasoline blending facility which has been in operation since September, the Houston Refinery can produce 12,000 to 15,000 barrels of finished motor gasoline an hour.

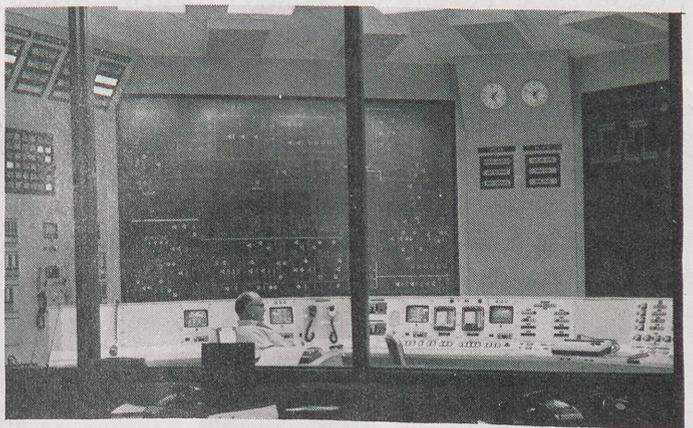
The system has increased the blending capability from 60,000 to 100,000 barrels a day. The facility consists of two blender headers, two booster loading pumps, one on each header, two component pumps for most of the 12 components and the three additives, a console, a 24,000-volt substation and 770,000 barrels of additional storage. House brand, Super Shell and Shell of the Future are blended on the facility.

An in-line system allows for blending of large volumes of components and strict quality control. To keep the finished products up to specifications, tests of blends are done on the research and motor octane, vapor pressure and gravity analyzers. In addition, when the distalyzer, or distillation analyzer, is completed, blends may be delivered directly to shipping facilities. The analyzers are housed in a temperature and humidity controlled building next to the blender headers. Hourly employees are in charge of the control console housed in the Tank Farm Control House and the analyzers.

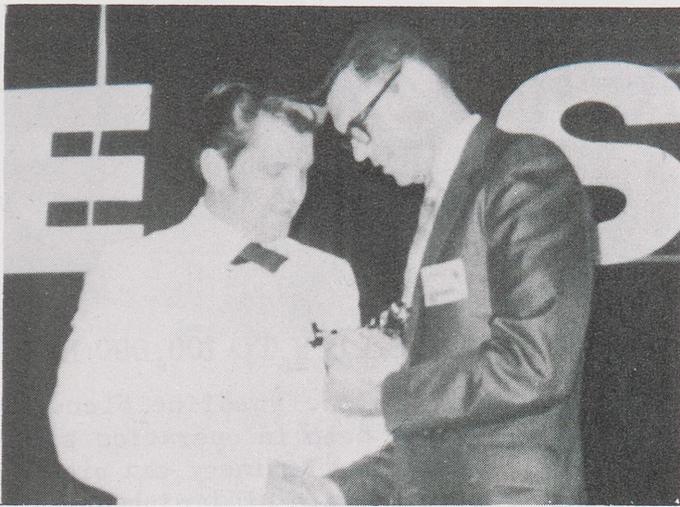
The three-part console, built at Shell Development's Emeryville Research Center, remotely controls the two blender headers and the component pumps. The console controls the percentages of the components pumped from the storage tanks into the headers where the components are mixed to make finished gasoline ready for shipment.

(Continued on Page 3.)

UCC IN FULL OPERATION



Utilities Control Center has taken over the task of monitoring and controlling the utilities for the Refinery and Chemical Plant. R. Q. Twitty, Operator #1, mans the console and watches the schematic "mimic" diagrams of the steam and electricity generation and distribution throughout the complex.

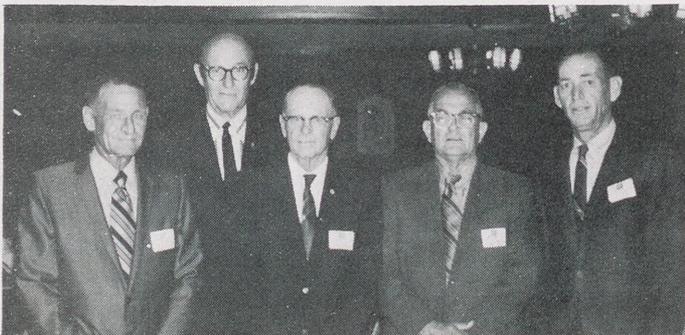


Charles Goeking, right, was presented the Outstanding Local President Award by Texas Jaycee President Malcolm Tallmon.

BOILERMAKERS HELD SAFETY PARTY, CELEBRATED FOURTH SAFE YEAR



Chatting were Jack Cook, D. B. West, G. L. Swain, and I. C. White.



At the Boilermakers fourth safety dinner in four years were pensioners Monroe Rice, Melvin Cothran, Red Jahn, Bill McAdams and John Gannon.



Celebrating another safe year were Claude Burgess, and Mrs. and Mr. Frank Bergeron.

GOEKING, PASADENA JAYCEES WIN TOP HONORS AT STATE CONVENTION

Rewards for year-long community activities were heaped upon the Pasadena Jaycees and their president, Charles Goeking, Research Engineer, Research, at the Texas Jaycee State Convention, May 13-15.

The Pasadena Jaycees, in which George Johnson and Steve Smelser are also members, won three first place gold statuettes (Jakes), three second place awards and two third place awards in R&R project areas. The R&R Awards, Record and Recognition, cover the Chapter's activities in eight separate categories. First place awards were received in the categories of Community Involvement, International Involvement, and Ways and Means. Second place awards were received for Inter-Club Relations, Governmental Affairs and Chapter Management and Individual Development. Third Place awards were received for Youth Assistance and Public Relations.

Pasadena was the only chapter in its population division to win an award in all eight categories.

Charles Goeking, who served as president for the past year, was selected as the Outstanding local president in his population division, which includes all chapters in cities with populations of 75,000 to 250,000.

The group also won the first place Community Involvement Sweepstakes Award. This is presented to the Chapter who has had the most outstanding projects in the area of community service in the state. This included the March of Dimes Campaign, Hurricane Celia relief, Labor Day rest stop, Jaycee Hospital Auction, plus numerous other projects for the community. The Pasadena Chapter received special recognition for the Labor Day rest stop which was conducted at Buffalo, Texas, along one of the most dangerous highways in the state.

Current president Bob Thompson says the Jaycees are extremely proud of the service they have performed for the community as recognized by these awards. Even greater activity is planned in the community during the coming year, and a membership campaign is currently in progress says Thompson. The organization is for young men between the ages of 21-35. For further information call 477-2551 or 473-6691.



Boilermaker trainees and their guests were standing, Mr. and Mrs. Bill Flurry, Glen Dailey, Mrs. Mike Smith, Mr. Smith, A. J. Colca and J. T. Clarkson. Sitting were Jo Ann, F. P. Modisette's date, Sandra Blylock, Mrs. Colca and Mrs. Clarkson.

ROYAL DUTCH/SHELL MANAGING DIRECTOR TELLS THE FACTS

(Editor's Note: L.E.J. Brouwer, Senior Managing Director of the Royal Dutch/Shell Group of Companies talks about fact and fiction in the oil industry in the first of two installments.)

"As I go about the world I am astonished (and even frightened) by the number of misconceptions that are accepted even by well-informed people, as the gospel truth about the oil industry," commented L.E.J. Brouwer, Senior Managing Director of the Royal Dutch/Shell Group of Companies.

What are these fallacies? In general they arise because people are uninformed about how large companies manage their affairs, Brouwer explained.

How Much Power?

"The first fallacy is that because we are big and widely spread geographically, we have the power to impose our will on governments. Nothing could be further from the truth.

"We are just as subject to the sovereign power of government as any grocery chain or gas works.

"We face political difficulties in many countries, but we keep out of the political arena. Our assets are our ability to provide an efficient service; to adapt ourselves to each and every environment in which we work; and our resilience in recovering from political setbacks. Perhaps we are suspect because we make it all look too easy.

"People feel there must be a trick somewhere. The truth is, however, that we succeed despite the difficulties.

"Governments naturally keep a close watch on our activities because we supply a vital source of energy which in most Eastern Hemisphere countries is the single most costly import.

"Because we are international, they tend to think that decisions affecting their economic welfare are being taken outside their own countries.

"This is a rather romantic concept, reminiscent of feudal Europe, but it has no substance in fact. The only 'Power' which our internationalism gives us is the ability to choose where and when we will invest.

"And if the government will not let in private enterprise then we can't invest in that country. The decision rests with government."

70 Percent Investment Outside Homeland

"In the case of Royal Dutch/Shell, about 70 percent of the total investment lies outside the homelands of the parent companies (the Netherlands and the UK). About 90 percent of Group earnings arise outside their homelands.

"Hence, it is just as essential to maintain a free flow of money, of people and of technical know-how around the Group circulatory system as it is to ensure the ability to move oil through the arteries.

"Every year we expect to have to spend more than 600 million pounds world-wide on new facilities or on renewal or modernization of old ones. Without freedom to move and convert funds this would become impossible.

Who Owns The Shares?

Brouwer went on to talk about some of the financial misconceptions he had heard.

"Much is surprising and some is amusing in the misconceptions existing regarding the ownership of shares in Royal Dutch and

'Shell' Transport and Trading.

"Popular belief on the subject attributes powerful and commanding share ownership to the Netherlands Royal family, to Wall Street bankers, to a handful of British noble families (or alternatively to a handful of French noble families), among others. The facts are a good deal less startling.

"The shares in the two parent companies are held in many parts of the world by well over half a million shareholders, many, of course, with quite small stakes. We therefore have three times as many shareholders as we have employees, and our owners are probably more widely spread than those of any other company."

(Continued next week.)

J. D. COLTHART ACCEPTS POSITION WITH SHELL PIPE LINE CORPORATION

J. D. Colthart, Supervisor, Houston Research Laboratory, will be released for reemployment by Shell Pipe Line Corporation as Supervisor, Fluid Mechanics, Shell Pipe Line Laboratory.

The move, which is effective June 1, was announced by J. G. Pratt, Refinery Manager.

Jim, who obtained his B.S. at Yale University in 1960 and his Ph. D. at Rice University in 1964 in chemical engineering, joined the Houston Research Laboratory as a Research Engineer in September 1966. He became a Group Leader in September 1968 and was later reclassified as a Supervisor.



DOLLIE HUFFMAN TOP MEMBER IN UT SOUTHERN SINGERS CHORAL GROUP

Dollie Huffman, daughter of T. C. Huffman, has been chosen as the Outstanding Member of the Southern Singers Choral Group of The University of Texas. In addition, she was recently elected president for the next school year.

Dollie, who worked at the Refinery several summers ago, is a business major and will be a senior next fall. She is a graduate of Pasadena High School. Her father, Tommy, is an Instrumentman #1, Engineering Field.



IN-LINE GASOLINE BLENDING-- (Continued from Page 1.)

Murl Milburn, Senior Engineer, and E. L. Patterson, Engineer, Dispatching, check formulations and troubleshoot any problems that might arise.

The system was designed so that normal maintenance can be done between blends, or if major repairs have to be made, then one of the blender headers can be shutdown while the other remains in operation. However, shutdowns are not always necessary since the blenders need only be in operation 10-14 hours a day. The Engineering Field crafts are responsible for maintenance of this complex system.

FOR SALE

2 bedroom unfinished cabin. Furnished (including boat and all utilities)--beautiful wooded water-front lot near Lake Livingston. Excellent fishing.
Telephone: 473-7357

36" Catalina gas range, 2 years old, excellent condition, \$75.
Telephone: 674-5529

Chevy 283 V8 engine & power glide transmission, both in good condition, \$50. 1963 Corvair Monza, 4 speed with bucket seats & a/c, good running condition. \$195.
Telephone: GR 2-5988

1970 Yamaha enduro 90cc, 3500 miles, excellent condition, helmet included, \$350.
Telephone: 479-2929

Three beautiful females, AKC pekingese puppies, one white, two party color, call after 6, weekdays, anytime weekends. \$50.each.
Telephone: 479-1092

Two 700-13 Goodyear Vita cord tires for \$10 for both.
Telephone: WA 1-4436

Trailer lots for lease or rent, Baycliff, Texas. To discuss terms call after 11 a.m.
Telephone: 223-9907

Like new depth finder--fish locator--portable, max. depth--200 ft. \$70.
Telephone: 681-3779

Dachshund puppy, father & mother both registered, but no papers on mother, female, pick of litter, 7 weeks old, \$35.
Telephone: 941-5463

1969 Plymouth Satellite station wagon, 6 pass., air, auto, power steering, luggage rack. Excellent condition.
Telephone: 1-877-2938

1968 Starcraft fiberglass 14 ft. boat, Johnson 35 hp electric start motor, tilt trailer, back to back seats, immaculate. \$750.
Telephone: 479-6360

Saddle, \$40.
Telephone: GR 9-2082

Winchester model 1400 automatic shotgun, 12 ga., 28 inch barrel, modified choke, excellent condition, \$95.
Telephone: 771-8887

1962 Oldsmobile Super 88, 4 dr. sedan, equipped, clean, tight car. \$375.
Telephone: 946-6945

'52 Chevrolet with '59-283 V8 motor, transmission, rearend, \$100.
Telephone: 946-7757

Rheem central heat unit, 85,000 BTU, some ducts and plenum, \$50. Equalizer trailer

hitch, towing mirrors, electric brake control, \$65.
Telephone: 944-1353 nights

Beautiful new \$700 bedroom suite, white finish, 72" 9-drawer dresser with doors, twin mirrors, kingsize headboard and night table, \$375. Black vinyl sofa, \$245. Two bookcases, \$85 each, serving table, \$90. RCA color sole TV old but in good shape, \$35.
Telephone: 1-591-3943

4-year-old lawnmower, 21" wind-up start, 3½hp Briggs-Stratton engine.
Telephone: 941-7086

6'x12' Chemstrand Acrilan rug--beautiful avocado green, 6 mos. old, bought for \$89, sacrifice for \$30.
Telephone: 941-7086

1962 Rambler Classic station wagon, excellent work car, air cond., radio, standard shift, 6 cylinder, first \$100 takes.
Telephone: 941-7086

1962 VW chassis with transaxle, with title, \$80. Dune buggy material.
Telephone: 923-7595 or 921-0943

1967 160cc Honda, new battery, new clutch, two helmets and spare tire, \$300. Runs & looks good.
Telephone: 923-7595 or 921-0943

1969 Triumph "trophy" 250cc, good firm condition, helmet included.
Telephone: 944-8895

1969 Pontiac Firebird, OHC, 6 cyl., air, auto, power steering, belted tires, 31,000 miles, excellent condition.
Telephone: 479-6141

WANT TO BUY

110 volt 5000-5500 BTU air conditioner.
Telephone: GR 2-5988

FOR RENT

House in Deer Park, 7414 Lambuth, unfurnished, 3 bedroom, 1 bath, 1 car garage, no pets, \$110 mo. & \$50 deposit.
Telephone: 479-2500

2 bedrooms, large living room, kitchen & dining together, unfurnished, \$80.
Telephone: 473-2170

FREE

400 sq. ft. St. Augustine grass.
Telephone: 472-7882

Good male dog, part collie, who needs a bit more room to run.
Telephone: 946-6945

Deadline for ads is Wednesday at 9 a.m. Please submit ads in writing.

**GRADUATES' ISSUE DEADLINE
IS JUNE 7**