

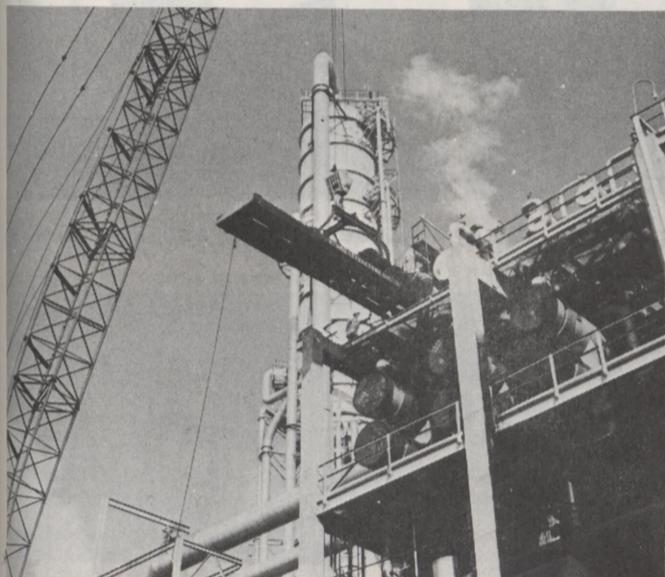


Shellegraph

Houston Refinery

Vol. 37, No. 45

Friday, November 17, 1972



The Bundle Extractor is tackling more difficult jobs like this one high in the DU-2 crude section. Total load on the crane was 17 tons including the extractor and the bundle; total pulling time was about 1 hour.

SHELL PRESIDENT HARRY BRIDGES SAYS NEW TECHNOLOGY IS ON ITS WAY

The oil industry is about to make some of its most significant technological advances and will need them to meet a rapidly increasing demand for energy, Shell president Harry Bridges said recently.

Technologists are now confronted with a problem of bringing such future "horizon" sources of energy as nuclear fusion and solar energy to the stage of economic feasibility, Bridges said in a speech to the Texas Mid-Continent Oil and Gas Association in Houston.

In all the talk about the development of their energy sources, he said, "the highly important role of technology in the field of oil and gas is apt to be overlooked.

Challenges Remain

Bridges said this development is a "challenge for men of today," and he urged young scientists to meet it, rejecting the idea of many that the oil industry is so mature that it offers few exciting research challenges.

He then outlined various technological advances and difficult future requirements for finding, extracting, transporting and refining oil.

Bridges noted the "almost astronomical volumes of petroleum that we must find, produce, transport, process and distribute," and said:

"This means we must find ways to work on the ocean floor, to drill into and produce from great ocean depths, to go into hostile environments such as the region beneath the Arctic ice cap."

The industry, he said, needs more certain ways of locating exactly where to drill for oil, and faster, more efficient drilling.

"Then, as oil becomes more difficult to find," he said, "there is an increasing premium on higher recovery rates of oil in place! Also, he added, "we face the compelling need to diminish to levels approaching zero the emissions from the vehicles using our products and pollution from plant effluents."

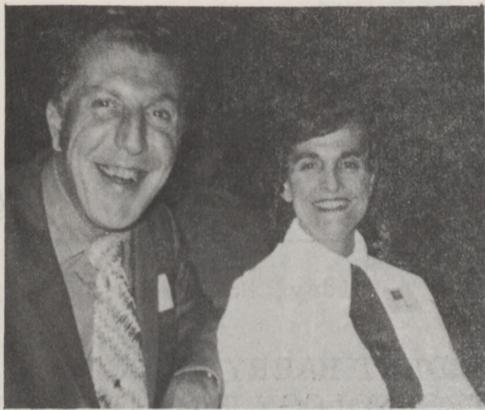
As examples of new technology and of what will be required, Bridges noted:

Method Successful

--A new capability in stratigraphic geophysics, enabling scientists to predict the physical properties of rocks as well as their structural attitude, and ultimately, perhaps, to detect hydrocarbons. Bridges cited Shell's recent success in the Northern Michigan Basin where the company solved a difficult seismographic mapping problem and achieved a rare 60 percent success ratio on 15 wildcat drillings.

(Continued on Page 4.)

SAFETY DINNER HELD TO HONOR EMPLOYEES FOR INJURY-FREE YEAR



Engineering Office employees attended a dinner at Ellington Officers Club after a safe year. L-r, are Don and Jean Randall,

Don Stewart, Loraine and Gene Michalek, Fred Hager, Gene and Marilyn Cheak and Bob Johansen.



Guests included Chuck French, Kathy Homan, Bernie Klemm, Evelyn Kleser, Hank and Dee Lewis.

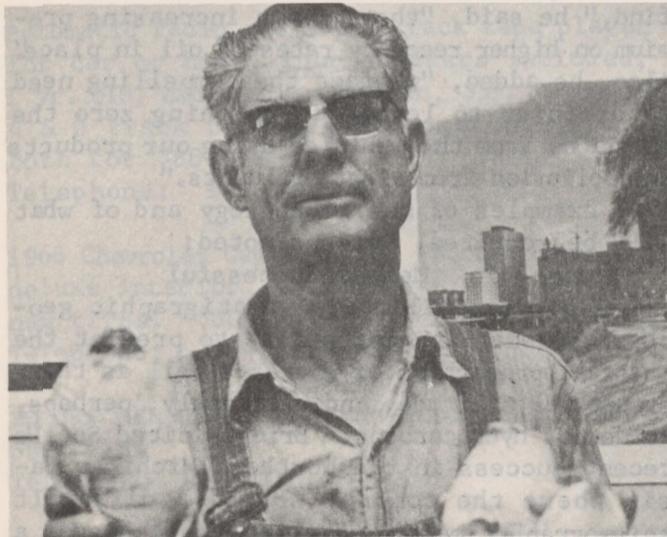


At dinner are James and Patricia Hart.



Even the teenagers enjoyed seeing the old pictures depicting how Shell and Deer Park have grown over the past 45 years in the company exhibit at the Chamber of Commerce Fall Festival, November 9-11. The display is being shown in the Refinery cafeteria and next week at the Chemical Plant.

W. G. VANN GROWS RADISHES, TURNIPS AND FISH ON HIS 66-ACRE FARM



Of radishes and kings, W. G. Vann grows these giant radishes along with turnips, mustard greens and catfish on his Ponderosa.

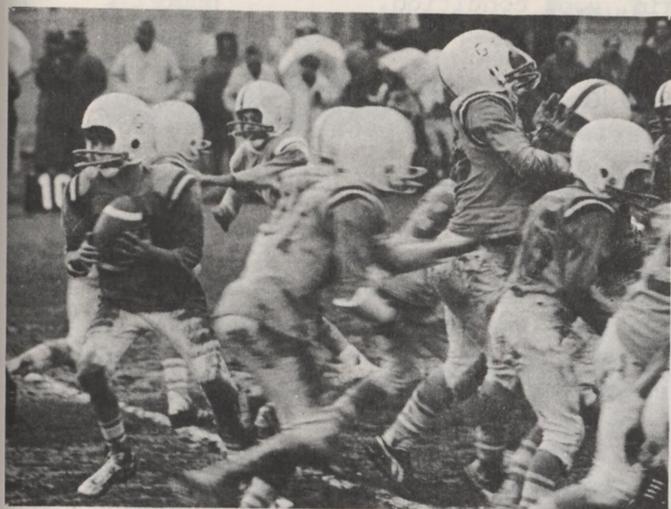
W. G. Vann, who is a Pipefitter No. 1 in the Engineering Field Department during the week, becomes a farmer and fisherman on the weekends when he travels up to his 66-acre farm, the Vann Ponderosa near Evergreen.

He spends his time growing some giant vegetables, turnips, mustard greens and some radishes weighing as much as 2½ pounds.

After three years of clearing branches and debris from the marshy land, he built his own 3-acre pond and two smaller ponds then stocked them with catfish. So, every weekend he has fresh fish on the table.

He says it wasn't an easy thing to build the ponds; the large one required that he build a 700-foot dam. Now that he's finished that project he is probably trying to make the catfish grow even bigger.

PENNINGTON'S GIANTS LOSE, 8-0, GO TO CONSOLATION GAME NEXT



Quarterback Troy Pennington drops back to pass as fighting Giants make room.

The voice on the other end of the line said his team, the Giants in the Pasadena Youth Football 4th-5th grade league, would be playing Saturday and they were trying to hold on to their unbeaten, untied record.

At first a little reluctant, the editor was persuaded to come out for the game when the voice, Tom Pennington, Welder No. 1, said another company's newspaper was covering the team's activities.

Of course, the weather turned bad and the steady drizzle coupled with 50-60 degree temperature put a cold chill through the bodies of the parents and siblings in the stands.

A few of the parents stood at the sidelines moving up and down as the plays moved up and down the muddy field. But the Giants and Vikings were not aware of the din from the sidelines or the cold rainy weather.

From the time the first kickoff went into the air, both teams came out like tigers.

The Vikings came out of the half-time even madder and broke the 0-0 tie in the third quarter, but the small Giants held them to an 8-0 score for the rest of the game.

Said Coach Pennington in an after game interview, "Our boys may be small, there was a 16-pound difference per man, but if it hadn't been raining, we would have beaten them."

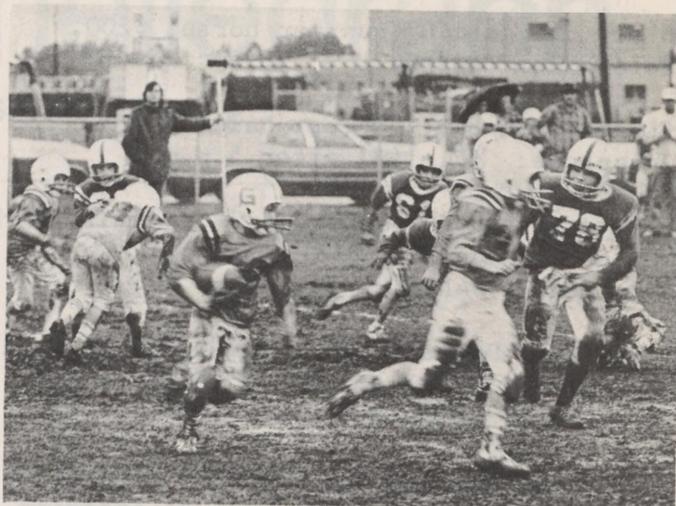
He added, "Excellent punting by Ross Williams kept the score from being even more lopsided. We were hurt when little David Richardson had three ribs broken. He is not as big as a minute, but he's one of the toughest little kids you'll ever run across."

Richardson will be out for the rest of the season which includes the consolation game Saturday at 10 a.m. at Pasadena Auxiliary Stadium. The Zone champion Giants will play the Sharks Saturday. The Sharks have a 4-2-0 record and have been beaten by the Giants once this season.

PROVIDENT FUND NEWS

The following are the Provident Fund valuations:

- Equities Fund
- November 5, 1972 - \$3.003
- Shell Stock Fund
- October 1972 - \$48.935



David Richardson sweeps around with the ball with Darryl Austin leading the way.



Timeout before the last few plays of the game for last-minute encouragement from Coach Tom Pennington.

JAY FERRY BECOMES EAGLE SCOUT AFTER 3 YEAR'S WORK TOWARD GOAL

Culminating three years of working toward, a goal, 15-year-old Jay Ferry recently became an Eagle Scout in Troop 147.

To meet the tough requirements of the rank, Jay, the son of J. W. Ferry, Technical Associate, MTM Process R&D Lab, worked with a retarded group of boys in the Scouting program as an advisor and instructor. In addition to this civic work, he had to complete five 50-mile hikes, four 4-mile swims, serve as Scout lifeguard, and earn 21 merit badges. He was required to earn merit badges in first aid, swimming, lifesaving, safety, citizenship in the nation, camping, cooking and nature studies and was allowed to select other fields of interest for the remainder of the badges.

A member of the honorary society of the Brotherhood Order of the Arrow, Jay plans to continue his scouting activities and attend the National Jamboree this summer near Fargo, North Dakota. Scouting takes up a great deal of Jay's time since he attends meetings with his troop, of which his dad is assistant scoutmaster, once a week and averages about 50 nights a year of camping out. During the summers he is a camp counselor at Rancho El Cima near Wimberly.

In addition to scouting, Jay is a sophomore at Sam Rayburn High School where he is on the basketball team. He also spends some time studying and earned an academic award of excellence in his freshman year.

FOR SALE

6 yr. old gelding quarter horse, \$200.
Telephone: 453-0231

Sweet Sudan hay, 75¢ per bale.
Telephone: 471-1431 after 5 p.m.

Mediterranean 3 cushion couch & chair, dark red & black design, \$75.
Telephone: 941-0349

1965 Olds Delta 88. All power & in good condition, excellent work car.
Telephone: 944-4347

1971 Chevy Vega, very good shape, 110 engine, air conditioning, radio, deluxe interior, automatic transmission. Original owner, car in perfect running shape. Price, \$1700.
Telephone: 485-4943 after 6

1969 4 dr. Toyota Corona, 1900 series, radio, heater, air conditioner, auto transmission, bucket seats, low mileage, very clean, \$995.
Telephone: 479-1168

4-drawer chest, small, natural finish, ideal for young child. \$5. Unpainted student desk, one drawer, 3 side shelves. \$2.
Telephone: 472-5851 after 5 p.m. weekdays

1971 Trailblazer 21' travel trailer, air conditioned, completely self-contained unit.
Telephone: 479-2072

Solid walnut poster bed, large posters, 2 night stands, 4-drawer chest, antiqued white & gold, good condition, \$100.
Telephone: 944-2165

1970 Opel Rallye, vinyl top, air conditioned, good tires, chrome wheels, 23,500 miles, book wholesale.
Telephone: 479-2072

Chevy PB radio; imitation alligator twin bedspread, double with drapes, pillow case; single door or W. awning; judo suit, size CW 4; Avon bottles.
Telephone: 472-5988

Dwell & tac meter, \$10. New 4.80x8 4-ply trailer tire, \$5. Sears vibrator belt massager, \$35. Starter, solenoid, cables for outboard, \$10.
Telephone: 944-6556

Ham, SWL, communications receiver, Lafayette HE-30. BC to 30 MC, "S" meter, Q multiplier, calibrated bandspread, gray crinkle finish, cost, \$130, will sell for \$60.
Telephone: 649-1337

Avocado-turquoise shag carpet and padding less than 1 yr. old, will carpet 12x18 room. \$75.
Telephone: 771-3236 after 6 p.m.

Early American stereo set, maple finish -- beautiful cabinet, in perfect shape, AM-FM radio, \$100.
Telephone: 485-4943

Kenmore automatic washer, \$35. White porcelain, good condition.
Telephone: RE-4-0197

1969 Caprice Chevrolet, vinyl top and interior, bucket seats, AM-FM radio-tape, extra clean.
Telephone: 747-2320

"60" model Harley Sportster, new battery, and tires, new custom seat and paint job, runs great, also new sissy bar, service manual and new helmet, \$600.
Telephone: 477-6764 after 3 or 473-6349

'72 Yamaha 250 MX with new engine and many extras, \$750. Torsten boots and leather used only once, \$115. All in excellent condition.
Telephone: 487-0056

FOR RENT

Five-room house, central heat, 6318 Stillwell vicinity of Griggs & Telephone Road. \$125.
Telephone: 673-1130

WANTED

4 good used tires (8:25x14) H-78-14.
Telephone: 944-4347

REQUIRED DEVELOPMENTS LISTED-- (Continued from Page 1.)

--Computer-controlled dynamic positioning to stabilize floating drilling rigs, and safer, more reliable subsea drilling systems.

--Improved technology to overcome the high pressures and temperatures in land wells four and five miles deep.

--Increased research in high-pressure drilling including use of high-speed liquid jets to fracture rock. This is expected to reduce future drilling costs.

--Development of subsea drilling and completion systems allowing personnel to work in natural environment on the ocean floor. One of these is in place off the Louisiana coast.

--Sturdier offshore structures and transportation systems in the harsh environment of the Arctic.

--Chemical flooding to recover oil remaining in a well after water flooding. Such a process might lead to recovery of an additional 15 billion barrels of oil from known fields in the United States.

--Improved technology for the recovery of oil from oil shale, tar sands and coal and environmentally acceptable systems for disposing of the large amount of waste from such operations.

--Development of advanced supertanker technology, offshore superports and pipeline systems.

--Improved methods of removing sulfur from fuel oils, particularly residuals.

--Possible development of "fuels refineries" which would produce synthetic natural gas and low sulfur liquid fuel as the only products from crude oil.