

# SEVENTY SIX

JULY-AUGUST 1966



D. CHAMBERS



## *ED TYNER: Manager of a 'Big One'*

LAKELAND, FLORIDA  
**T**HE PICTURE shown is a "Big One" service station operated by our Pure Oil Company Division in Lakeland, Florida. It employs 20 men on a 24-hour a day schedule and pumps thousands of gallons of gasoline daily in addition to supplying motorists with tires, batteries and accessories.

The picture at the left is of Ed Tyner, manager of the Big One at Lakeland. Tyner, who oversees the operations of three shift managers, claims they get their large volume by giving "more and better service."

"Our refreshment center is a big drawing card," says Tyner, "especially in the summer months." Another plus: Tyner has the Sunday papers from New York flown in for his customers to read in the sales room while waiting for Pure Oil Car Care service.

Tyner has been in the service station business for 15 years, the last five of which have been at this station and its predecessor. In his spare time, Tyner raises Appaloosa horses and operates a 4-x-5 Speed Graphic. How does he reconcile these hobbies? He takes pictures of his horses. 76



This is a symbol of Union Oil Company of California. The trademark, 76, also symbolizes the American freedoms won in 1776 that make possible this nation's industrial development and abundance. SEVENTY-SIX magazine mirrors industrial freedom through the thoughts, skills, accomplishments and appreciations of Union Oil people. We invite your participation in an exchange of ideas and information. Address: Editor, Seventy-Six, Union Oil Center, Los Angeles, California 90017

# SEVENTY SIX

UNION OIL COMPANY OF CALIFORNIA

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## SEVENTY SIX

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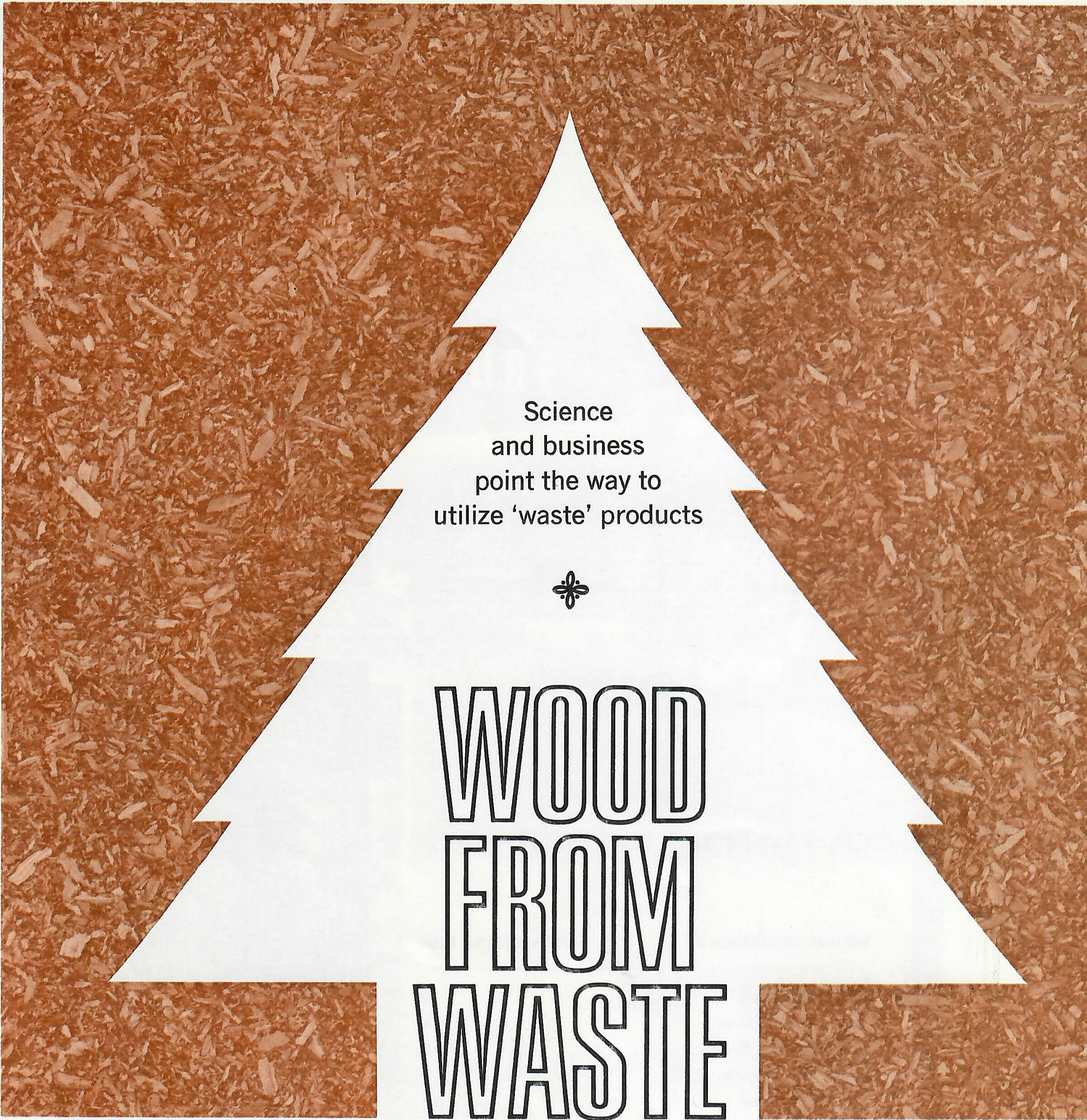
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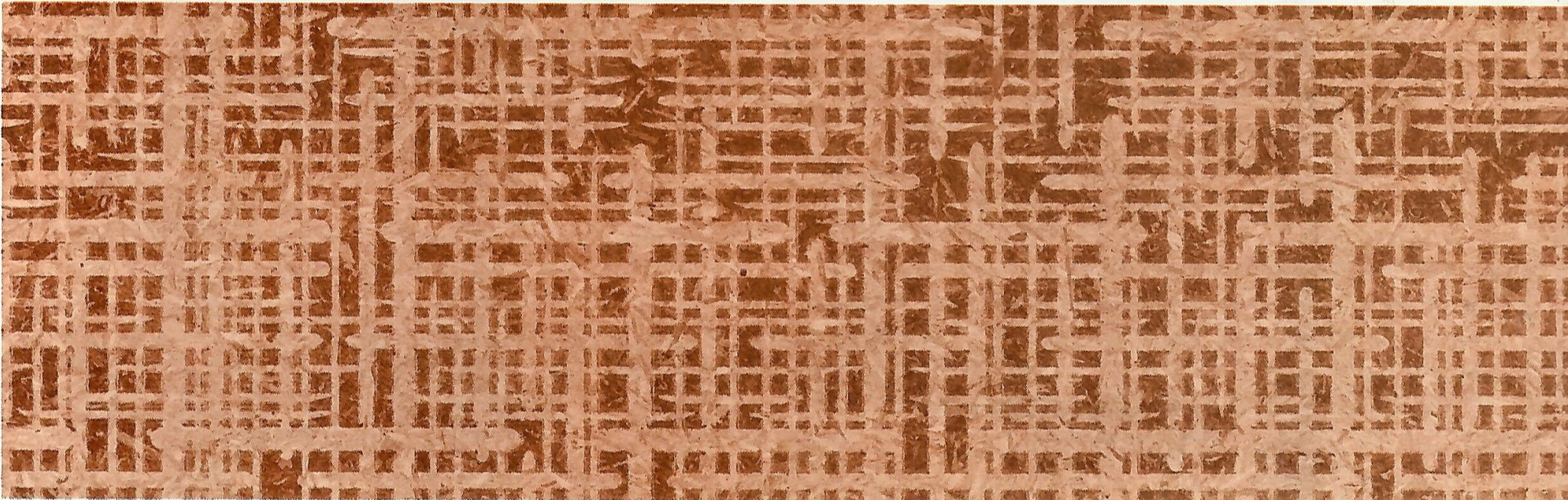


Science  
and business  
point the way to  
utilize 'waste' products



# WOOD FROM WASTE

**ABOVE:** Reproduction of Forrest Industries' particleboard in natural state. **BELOW:** Interior particleboard siding has design.



#### DILLARD, OREGON

**T**HERE WAS A TIME when most of the wood in a tree was wasted. Early lumbermen destroyed chips, shavings and sawdust because no one could think of a way to use them.

Today, thanks to progress in wood science and petrochemicals, lumbermen are utilizing more of the tree than ever. A pioneer in this "wood from waste" program is William F. Forrest, president and chief executive officer of Forrest Industries, Inc., of Dillard, Oregon.

In addition to being an important manufacturer of plywood, Forrest Industries is a leader in the production and sale of a revolutionary composition material called particleboard. The manufacturing process utilizes wood planer shavings and flakes cut from chips heretofore regarded as waste products. Dried chips are mixed with resins and wax, then firmly bonded with heat and 1,000 tons of pressure to make a board that can be harder than maple or oak.

Unlike ordinary lumber or even plywood, particleboard can readily be produced in an amazing array of sizes, shapes, colors and finishes. Forrest, for instance, produces a wood block flooring, a wood strip flooring, two handsome exterior siding panels and an almost limitless variety of interior panels—all of which meet F.H.A. building material requirements.

The manufacture of particleboard is fast, economical and, above all, flexible. Insecticides, fungicides, fire retardants and any color of stain may be diffused through the board by mixing them with the resin and wax before bonding. The surface may be plastic coated, painted, stained or left natural to retain the appearance of wood. Heavy furniture and even a woman's spike heel won't dent particleboard.

For all its qualities, particleboard isn't going to replace lumber or plywood in the market place. Bill Forrest is the first to admit that particleboard isn't a structural material that can be used like 2 x 4's in house building, but it has won such a place on the market that Forrest keeps sales offices busy in New Jersey, Georgia, Illinois and California. Sales were so good, in fact, that Forrest recently opened a second particleboard plant in Medford, Oregon. "Our industry is still in its infancy," Bill Forrest says. "We don't know where it will end."

Union Oil Company's participation in this pioneering enterprise dates back to 1952 when consignee Preston M. Lee of Roseburg, Oregon, began serving the petroleum requirements of Forrest Industries. As the company grew and prospered, the number of petroleum products grew ever wider.

"Indeed," says Forrest, "we use just about every product your company manufactures—from fuel oil, solvent and gasoline to motor oils, grease and hydraulic fluid." As one example, the hydraulic presses used to bond the particleboard require about 200 barrels of Union's Red Line turbine oil. When Forrest Industries opened its Medford particleboard plant, Bill Forrest turned again to Union Oil for its petroleum supplies, with consignee Ray Frisbie of Medford serving the account.

In addition to the plywood and particleboard plants in Oregon, Forrest Industries also operates a sawmill in Canada. The total operation in Oregon and Canada employs some 400 persons.

"Our success has been a source of special gratitude to me," Forrest says. "We have created jobs and created a movement of products in an industry that didn't exist before. This has been a source of great personal satisfaction for me."

Bill Forrest truly believes in his products. Indeed, the entire office of his Dillard, Oregon, headquarters is finished in particleboard: walls, ceilings and floors. In use since



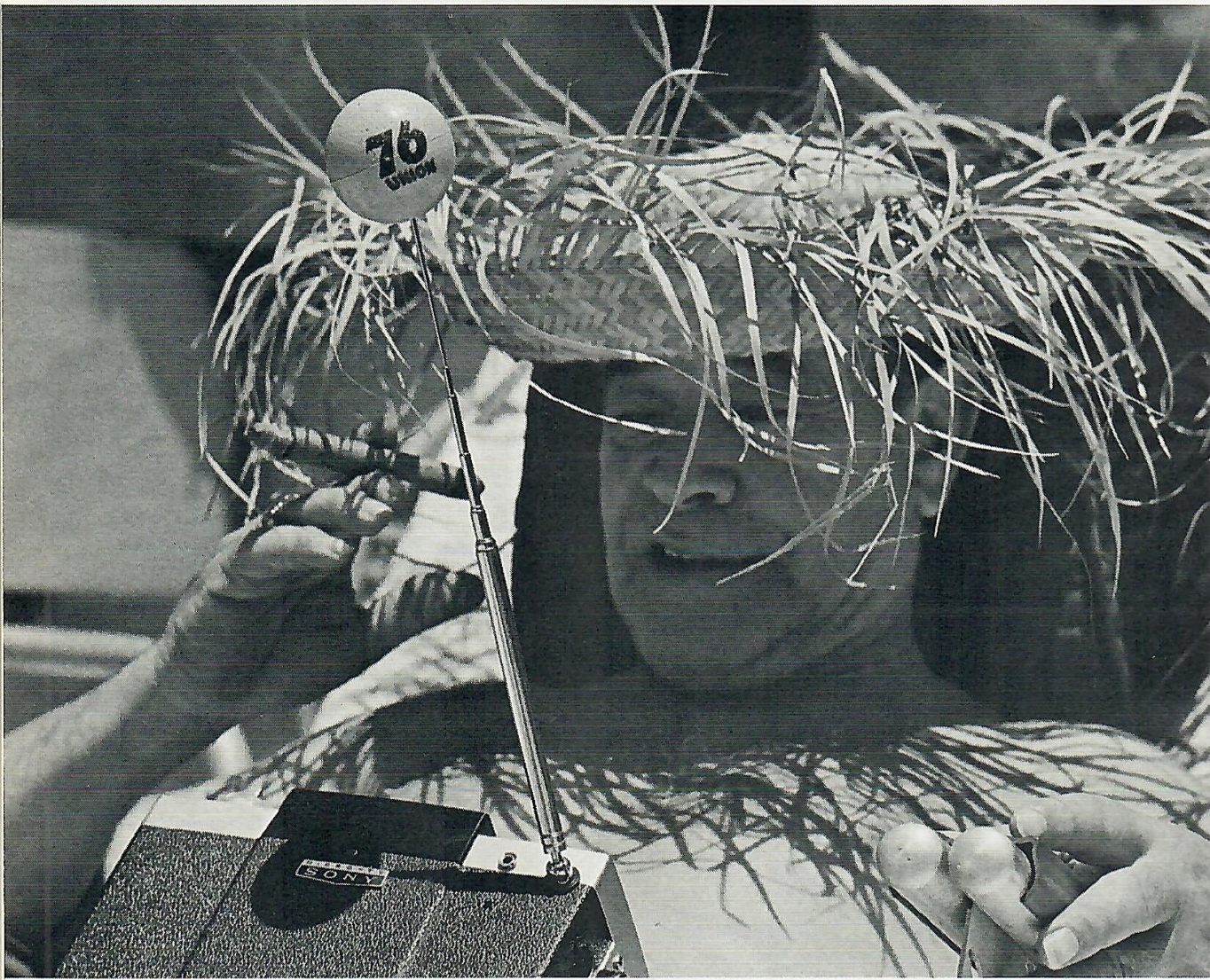
**PARTICLEBOARD.** William Forrest and Preston Lee stand in front of wood chips which are bonded together to make particleboard.

1959, the floors show virtually no sign of wear despite constant traffic from booted loggers and truck drivers.

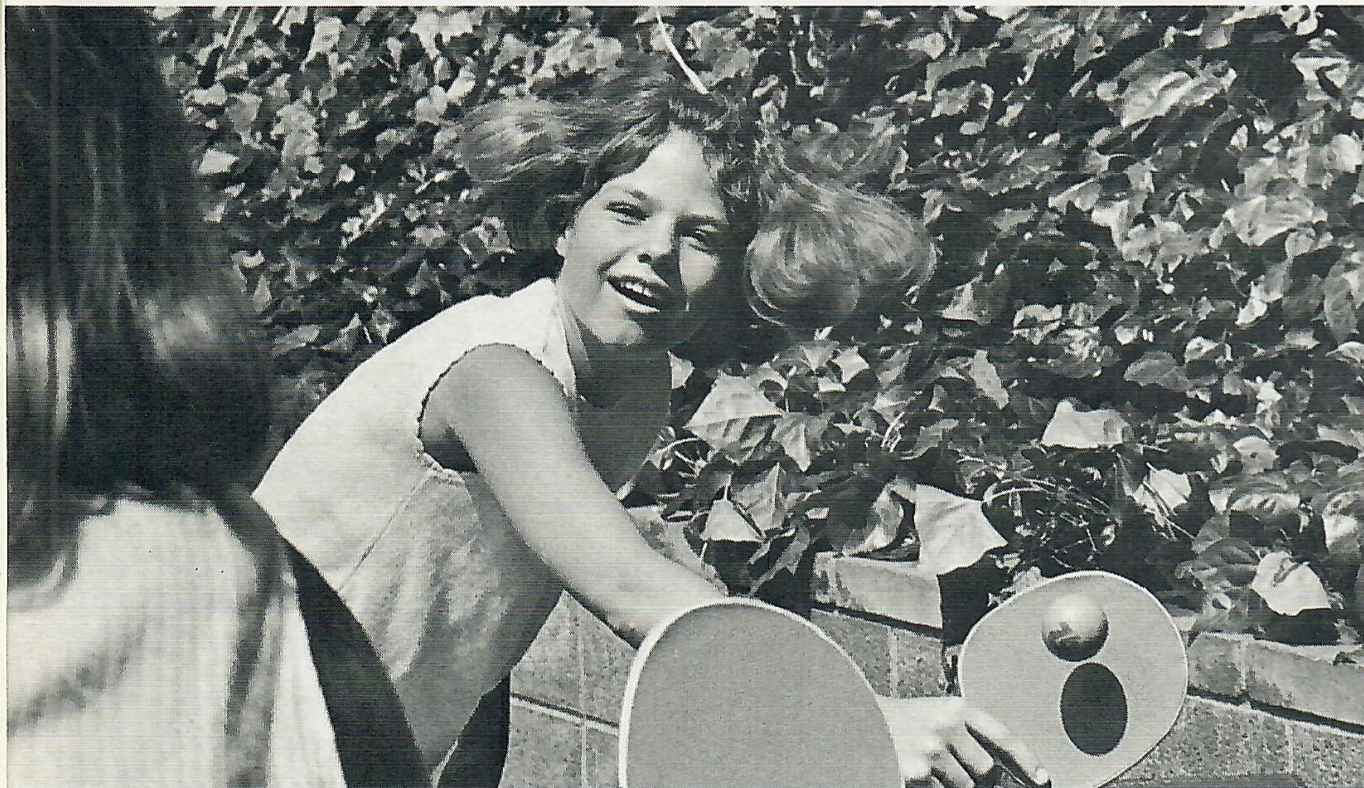
Forrest is also a sportsman and proud of it. On one wall in the Dillard office is a mounted sailfish nine feet, seven inches long which he caught off Acapulco, Mexico. On another wall is the tanned skin of a 1,200 pound bear he shot on Kodiak Island. A third wall holds the antlers of a huge moose shot in British Columbia. His fourth sporting love is not in evidence at the Dillard office. That is his 47-foot sailing cutter, the *Patronilla*, named after his wife. The *Patronilla* came in third in its class in the semi-annual Los Angeles to Honolulu boat races in 1959, 1961 and 1963. In 1965 Forrest was too busy with the new Medford particleboard plant to enter the race. As for the future, Forrest says, "I'm not sure. Right now, I'm too busy converting the world to particleboard." 76



# SATELLITE SHISHKEBAB



Hollywood sound man Bill Crew says he gets better reception with the 76 satellite.



Lisa Evans, 13, finds the "76" satellite a handy substitute for missing Ping Pong ball.



One way of keeping the "76" satellite intact.

## 76 Division promotion catches on in the West like wildfire

**O**NE OF THE hottest crazes to hit the West since hula hoops was the 76 satellite promotion. For readers who don't live in the West, 76 satellites are small, orange styro-foam globes trimmed with a blue "76-Union" emblem. Customers received satellites for their car antennas when

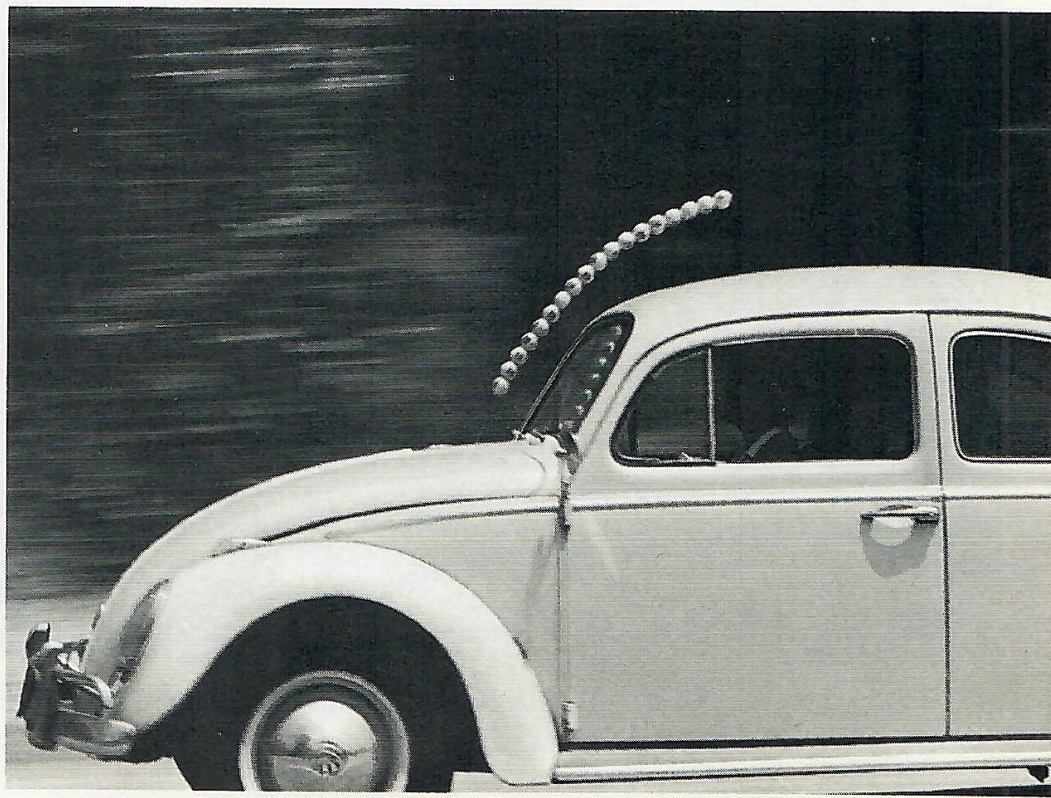
filling up at Union Oil service stations. Motorists sporting these replicas of the Union station sign could win up to \$1,500 in prizes. When the promotion came out early this summer, youngsters from 8 to 80 quickly put the satellites to the most improbable of uses. Columnists commented on the craze, and some newspapers published picture essays on the space-age fad. Free-lance photographer Russ Halford, impressed by the wildfire spread of "satellite-mania," recorded these views. ⑦



Vicki Endicott, 15, mounted a trio of "76" satellites on dobbin.



Advertising's Cathie Wilson joins the "76" satellite fun, too.



Fast-moving auto, fueled with "76" gasoline, is a good customer.



John Switzer, 9, put "76" satellite into use as fishing float.

# A HAPPY PEACE MARCH



A colorful procession of Canadians and Americans marched through the Peace Arch.

*An international celebration coincided with the opening of a Union Oil service station*

BLAINE, WASHINGTON  
**P**EACE MARCHERS usually are people of many walks of life bent on demonstrating their opposition to government policy. Authorities are relieved when the day of tension is over, but not so with the 2,000 residents of Blaine, Washington, who actually welcome 6,000 peace marchers and look forward every year to just such an invasion. It also would seem unlikely to find the president of Union Oil Company among this group of peace marchers, but Fred L. Hartley was there on June 5th.

Nestled along the Canadian border in a natural park-like setting, Blaine is the home of the International Peace Arch. This structure, standing half in Canada and half in the United States, is a symbol of peaceful relations between nations and peoples.

Built in 1921, the arch was constructed with funds contributed by citizens on both sides of the Canadian-United States border. An 80-acre park,

surrounding the monument, was landscaped from donations by school children of both countries.

Two massive gates, which have never been closed, flank the interior of the arch. One is inscribed "1814—open 100 years—1914." On the other is the legend, "May these gates never be closed."

Within this arch, President Johnson and Canadian Prime Minister Lester Pearson met to sign the historic Columbia River Treaty in 1964. This pact created a multi-million-dollar power and flood control development for the Columbia River Basin.

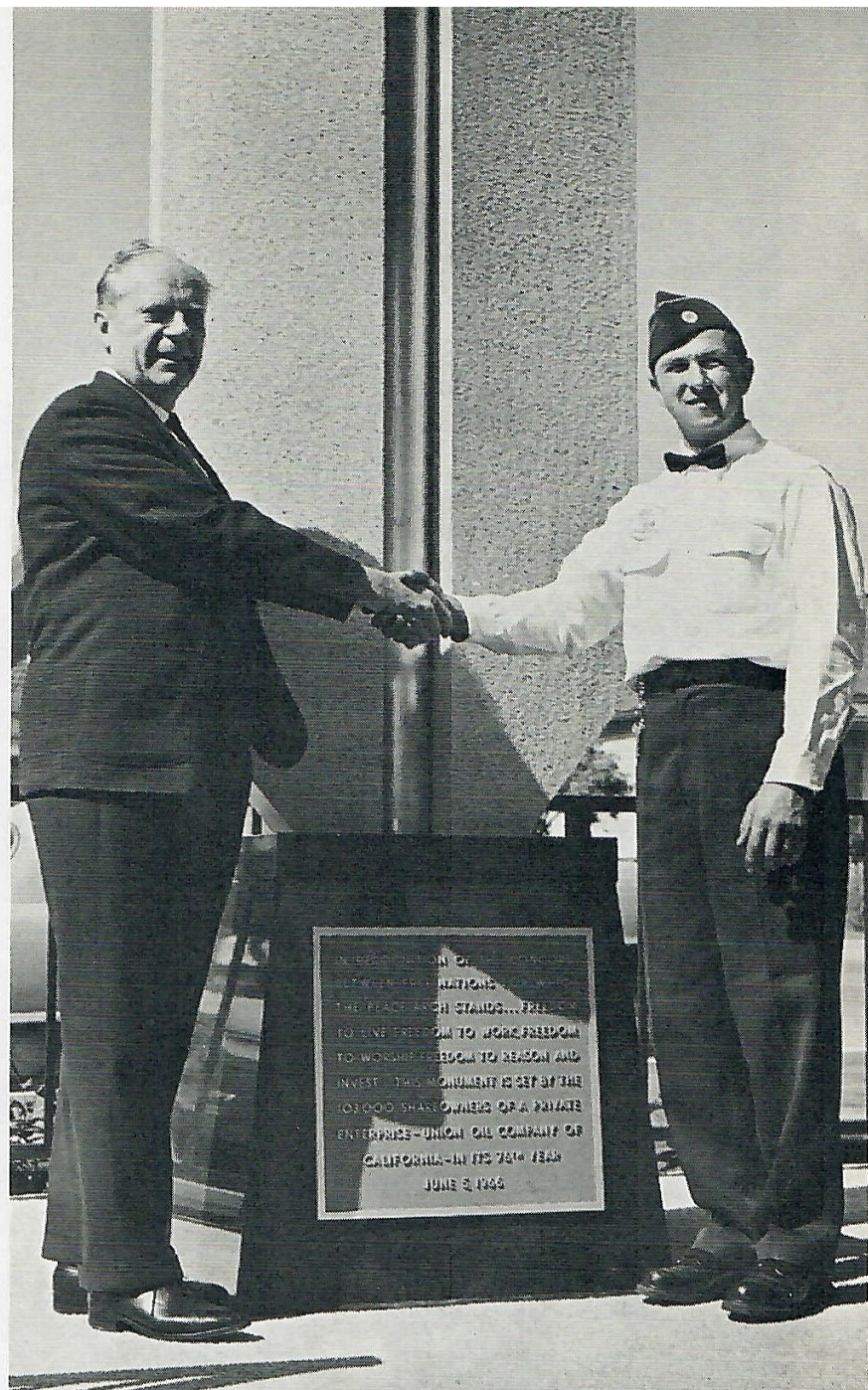
Each year, contingents of peace marchers from Canada and the United States gather here to mark the anniversary of the dedication of the arch. This serene setting, a grassy park divided by the longest unguarded international boundary in the world, symbolizes the warm relationships of the two countries.

Highlight of the celebration is a





A large crowd gathered to witness the dedication and view the memorial.



President Hartley greeted dealer William Schouten.

parade marching from the state of Washington through the arch to British Columbia on the Canadian side. This year there were bagpipers, a U. S. Air Force drill team, Canadian naval cadets, Canadian Indians in feathered headdress, American Legionnaires, sea scouts, boy scouts, girl guides, Rotarians, high school bands, a Greek delegation, sari-clad beauties from India, the Royal Canadian Legion and a chaplain from the Holy Trinity Ukrainian Orthodox Church to bless the occasion.

Marking the end of the march, the U.S. stars and stripes and the new Canadian maple leaf flags were raised over the great granite arch.

There was another dedication following this annual observance. Fred L. Hartley, Union Oil president, officiated as a 15-foot memorial to the Peace Arch was unveiled in front of our newest Union Oil service station in Washington.

Hartley spoke briefly to the crowd

assembled for the ceremony. He began by lauding the friendly relations between the United States and Canada.

"I hope you would agree with me that we should also be considered as partners in economic development," he said. Hartley cited Union Oil of California and Union Oil of Canada as examples of this economic partnership.

"In 1961," Hartley said, "we were pleased to have voluntarily sold stock in the Canadian company to reduce U.S. ownership. I think the Canadians who risked some of their savings in this private enterprise also have been pleased, and have profited from their investment.

"All of us, whether citizens of Canada or the United States," he said, "should be proud of living in a country which assists in the development of private enterprise. For our part, we are most happy to be associated through a Canadian corporation in

the province of British Columbia where the governmental leadership has maintained proper respect for the protection of the public interest and given strong encouragement to private investment."

The station where the monument is located is situated across the street from the entrance to Peace Arch State Park, and is handy to the off ramp of U.S. Interstate 5 (U.S. 99). The station is operated by William Schouten, who previously had another Union station in Blaine.

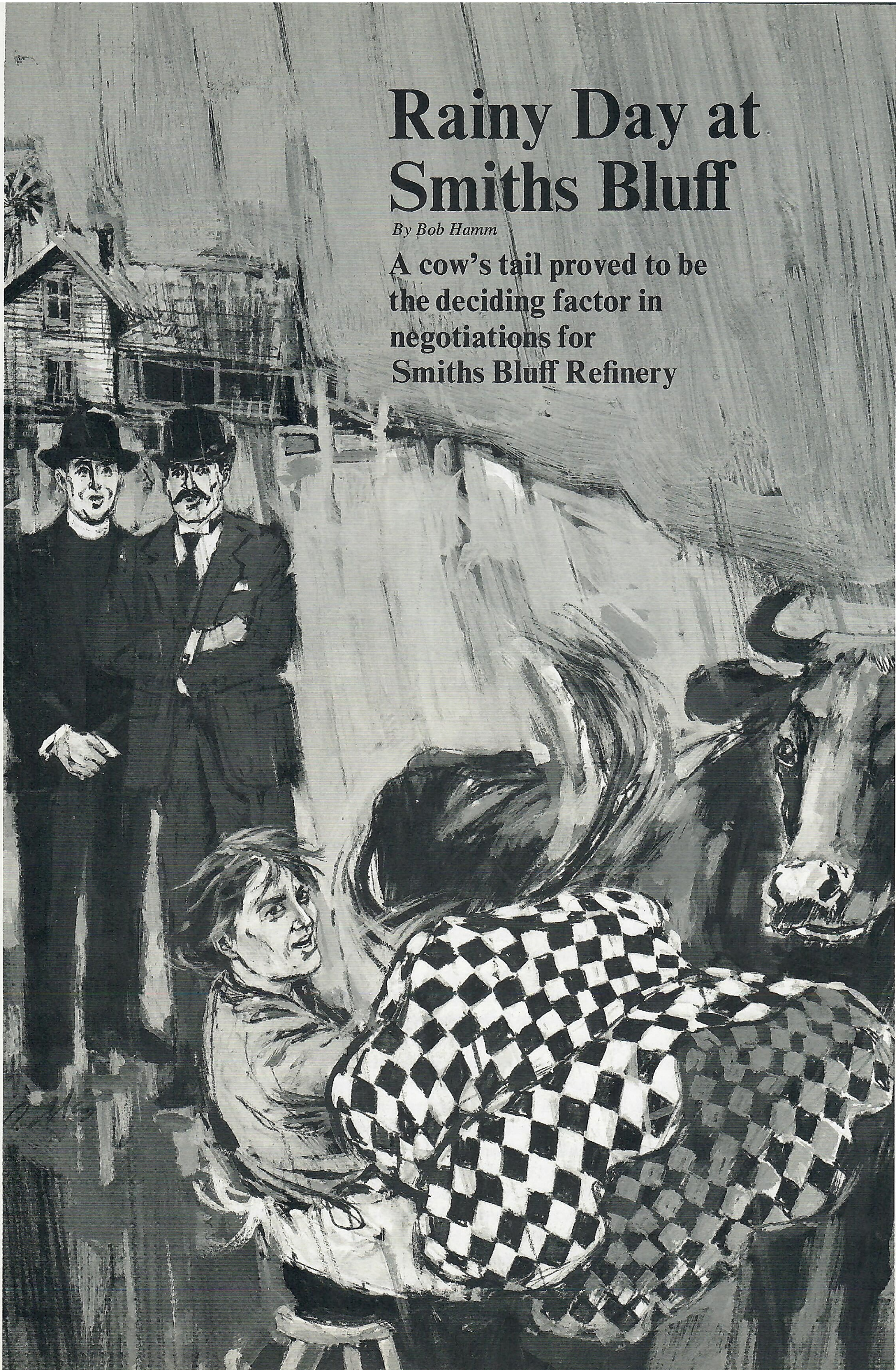
A plaque attached to the Union Oil memorial reads:

*"In recognition of the concord between free nations for which the Peace Arch stands... freedom to live, freedom to work, freedom to worship, freedom to reason and invest... this monument is set by the 103,000 shareowners of a private enterprise— Union Oil Company of California— in its 76th year. June 5, 1966." 76*

# Rainy Day at Smiths Bluff

*By Bob Hamm*

**A cow's tail proved to be  
the deciding factor in  
negotiations for  
Smiths Bluff Refinery**



IT WAS A gray, ugly day on Smiths Bluff, down in Southeast Texas. For over 36 hours, a steady, irritating drizzle had fallen on the few scrawny bushes and trees scattered from the crest of the hill to the nearby Neches River.

Atop the bluff a drab old frame house added to the dreariness of the scene, and the somber clothing of its owner kept the pattern. The only break in the grayness was her red and white checkered bonnet.

The widow Flora Staffen, damp and uncomfortable, was perched on a weather-beaten milking stool. There was no covering for her and her cow, or for the two wet but well-dressed visitors who were pleading so earnestly with her.

She looked up at them from under the rain-soaked bonnet. "Nope," she said, "I've decided not to sell, and that's all there is to it."

To accent her words, a stream of milk zinged against the tin pail and the cow's tail slapped against the animal's side.

In a few moments, a flick of that old cow's tail would slap this midsection of Jefferson County right into the Industrial Age.

Banker A. L. Brooks and Rev. Warner Eliphalet Hassler had come to urge Mrs. Staffen to sell Smiths Bluff to the rapidly expanding Pure Oil Company, which in that year—1923—was planning a new refinery to process oil from the Gulf Coast area.

It seems unlikely the widow or the company would have argued over the unproductive, cottonmouth-infested property which the Staffen family had bought from the Mexican government for two-bits an acre.

But to Mrs. Staffen, it was home, and the tough old pioneer woman didn't cotton to the idea of moving off it. Like other early Texas settlers she was strong, determined, God-fearing, and cussedly stubborn.

To Pure, the land represented an almost ideal spot for the new refinery—of all the points available along the Gulf Coast. Company officials had decided it would be worth while to

wrest the land away from the snakes.

Getting the property from the cottonmouths shaped up as an easy project compared to dealing with Mrs. Staffen. The bargaining session was long and unfruitful. The price was attractive, the Pure bargainers were charming, but Mrs. Staffen still said "Nope."

As the talks dragged on, it looked like the project was about to fall through. Rejoicing which had begun in Port Neches, the nearest town, came to a halt. If Mrs. Staffen remained firm, her neighbors realized, the upsurge in the economy and the creation of many new jobs expected from the establishment of the refinery would happen to some other community.

Real estate man A. C. Bigelow, suave, polished promoter who was responsible for development of much of the area, brought his persuasive talents to bear. He was joined by Brooks, president of the Port Neches bank, and other interested citizens.

"This is for the good of the whole area," Bigelow argued. "It means more jobs for our people... more money in circulation for the business community."

"Nope," said Mrs. Staffen.

"Think what it means to you," Brooks suggested. "You'll not have to struggle along out here, trying to make a living off milk and butter from one old cow. You can get yourself a nice little house in town and live comfortably the rest of your life."

"Nope."

Hope was almost abandoned when the widow's preacher, red-headed Rev. Hassler—today, at 79, still one of the best-loved clergymen in Texas—added his eloquent appeal for acceptance of the Pure offer. Mrs. Staffen finally yielded and a date was set for drawing up the papers.

Then, an enterprising young automobile salesman from nearby Beaumont heard that the widow was about to come into a substantial amount of money. He made a bee-line to Smiths Bluff.

Mrs. Staffen didn't take to the new-fangled idea right away.

"Ma'am, if you'll just have a look at the new Studebaker President, I know you'll change your mind."

Studebaker!

There was magic in the name for Mrs. Staffen. Studebaker had made the fine, handsome wagon her father had driven when she was a girl. The name conjured hosts of rich, warm memories.

The young man made a masterful pitch. But—just when he thought the sale was made—she drew herself up and firmly ushered him to the door.

"Wait a minute," he said as he retreated down the rickety steps. "Think about this. You don't have to buy the car. Let Pure Oil Company buy it. Tell them they buy you a car, or you don't sell your land!"

That sounded good to Mrs. Staffen. When the company representatives came to sign the papers, she announced her terms: No Studebaker, no deal!

"No deal," the Pure men said in their turn. "Our offer is an equitable one. In fact, it's very generous. But that's as far as we go. We're in the oil business, not the automobile business."

Bigelow was shocked when he found the oil company agents packing to leave town.

"The deal is off," they told him. "She wants a car in addition to the price we agreed on. We can't do business."

Bigelow and Brooks roared into action again. Bigelow dashed off to reason with Mrs. Staffen. Brooks set out to raise money to buy the lady a car.

The money was raised quickly, and Brooks was ready to plunk it down when Bigelow reached him. "Forget it," he said. "She won't settle for a \$1,000 Ford. She wants a \$3,000 Studebaker President."

There was no time to argue. Bigelow asked the Pure representatives to stand by and Brooks hit the fund-raising trail again.

Next day, Brooks had raised the full amount. He and Rev. Hassler again went to see Mrs. Staffen. They came on that bleak, dreary day while she sat

*continued*

# Smiths Bluff

continued

milking her old cow in the drizzling rain.

"Nope," she told them. "I've decided not to sell, and that's all there is to it. I told those men yesterday what my terms were and they wouldn't go along. Now I'm out of the sellin' notion."

"Everyone is looking to you, Flora," said Brooks. "You can have the car and you can have a chance to make part of Texas prosper. The refinery means progress and growth for all of us."

Mrs. Staffen didn't answer. Milk streamed into the pail and the cow flicked her tail dangerously close to the old woman's head.

Hassler took up the argument. "Mrs. Staffen, it's not right for you to have to sit out here in this miserable weather, milking that old cow to earn a few cents. If you accept Pure Oil's offer, you'll be through with the discomforts of this kind of living forever."

Mrs. Staffen looked at the hard, barren land and the tired old house. It was, indeed, uncomfortable.

"With the money you'll get from this old farm," Hassler continued, "you'll never have to milk a cow again."

The widow was tempted.

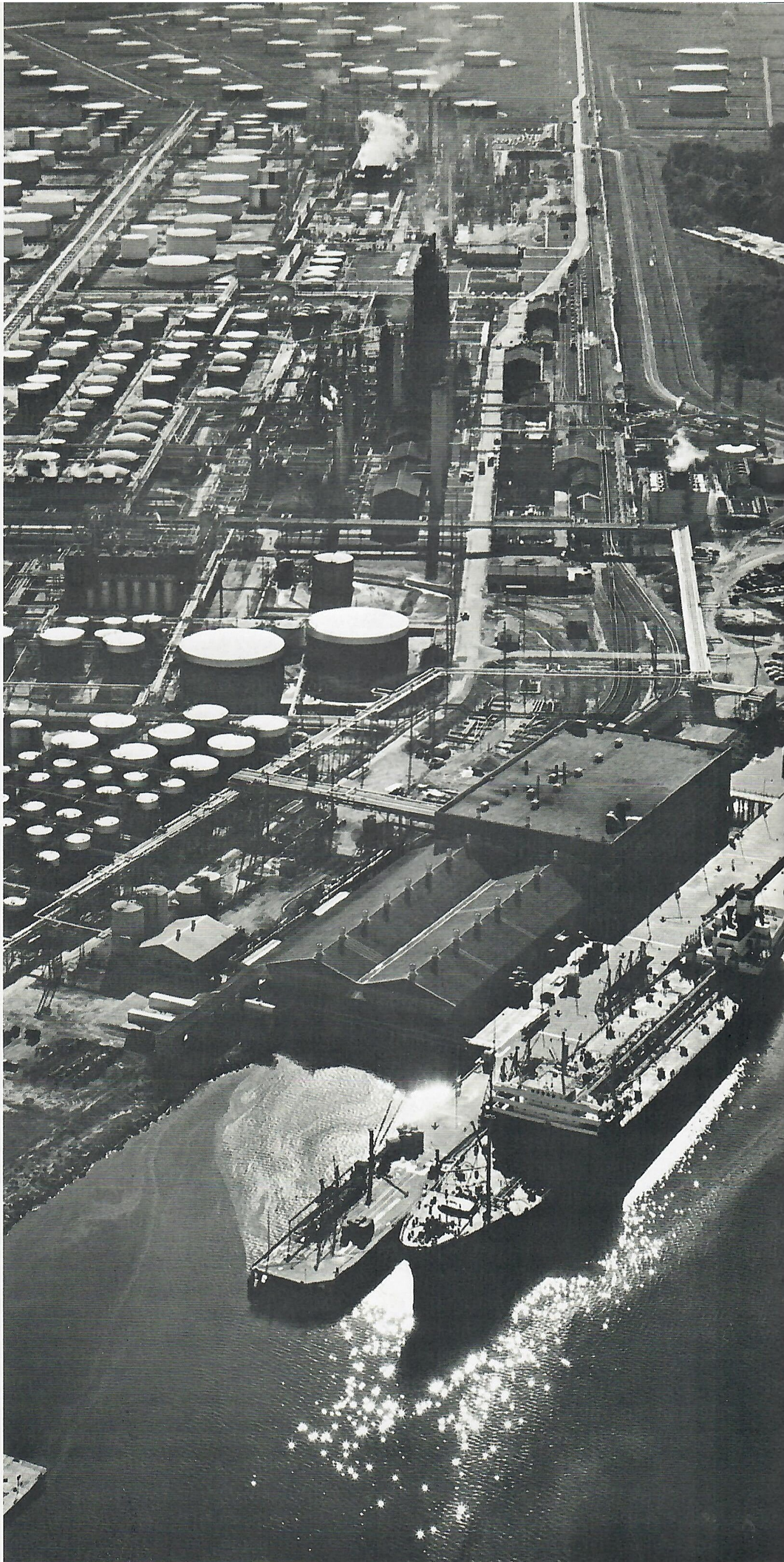
THWACK! The soggy, burr-laden tail of the old cow lashed out and sent the red and white bonnet flying off into the mud.

That was the clincher. Looking down at the muddy headpiece, Mrs. Staffen suddenly decided that nothing in the world sounded better than the prospect of never again having to sit in the rain, milking a sassy old cow... a cow ornery enough to swat a lady's bonnet right off the top of her head.

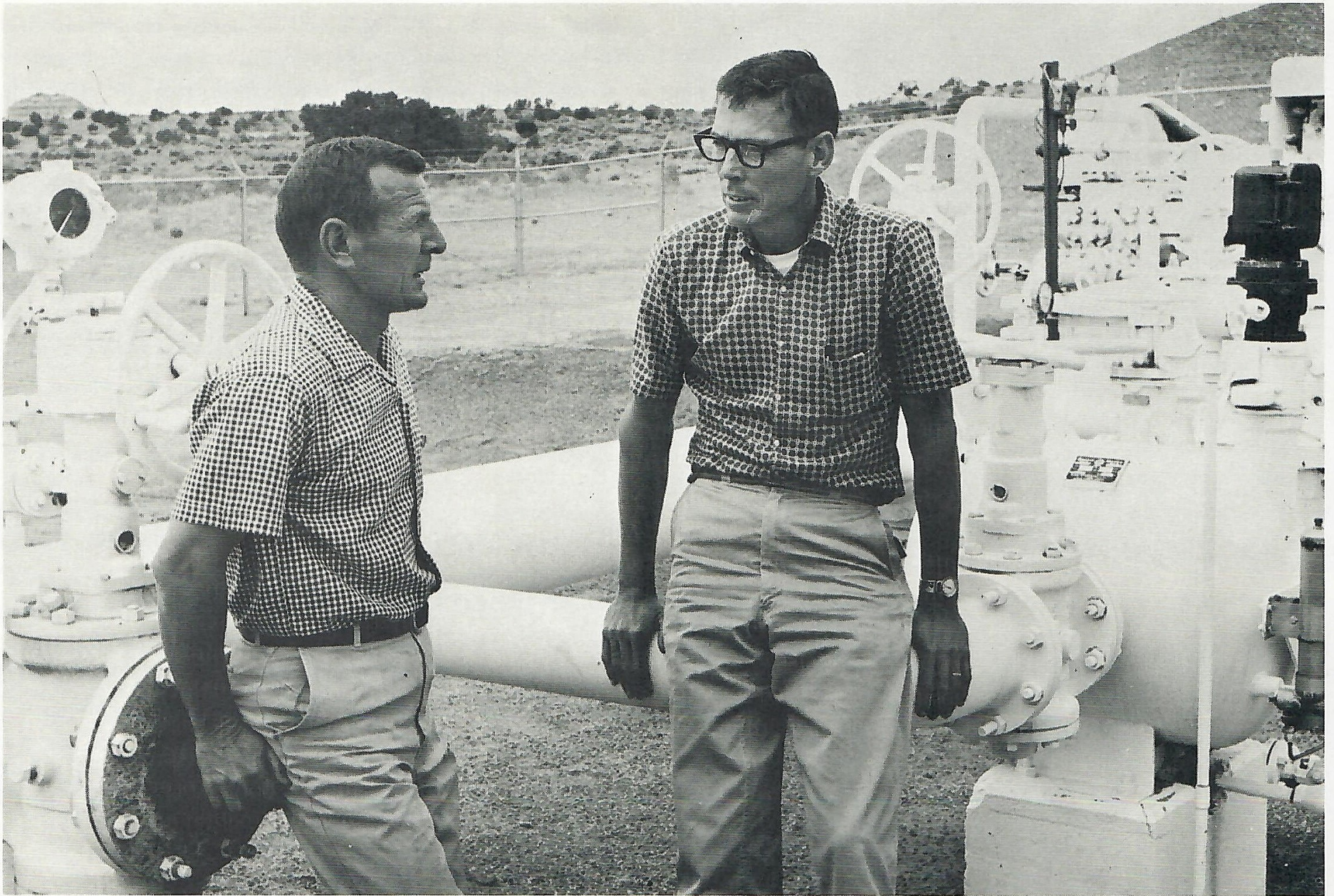
A sigh — half resignation and half relief — welled up from deep inside her angular frame.

"Sold," she said softly.

Nine months after the construction crew arrived at Smiths Bluff, the gleaming new refinery went on stream. It grew rapidly in the ensuing years, and today covers the entire area where Mrs. Staffen's cow grazed among the cottonmouths. 76



Smiths Bluff today is a sprawling complex on the Neches River, a far cry from 1923.



Bill Winchester and Buck Allison of Pure Transportation Co. discuss Indian ruins and gravity flow on 67-mile long Ute Pipeline.

## THE UTE PIPELINE

**W**HEN THE people at Pure Transportation Company decided to build a pipeline from the Lisbon oil field to the Four Corners area, they faced a novel challenge. The proposed crude oil line was to pass over part of the Navajo Indian Reservation and through territory dotted with Indian ruins.

To make sure no ruins were disturbed, Pure Transportation employed a Flagstaff, Arizona, archeologist to act as guide and scientific scout for the pipeline crews.

That was five years ago. Today the Ute Pipeline passes through 67 miles of sandstone and skirts half a dozen Indian ruins turned up by ditching crews. The sites are now being preserved for careful archeological study in the future.

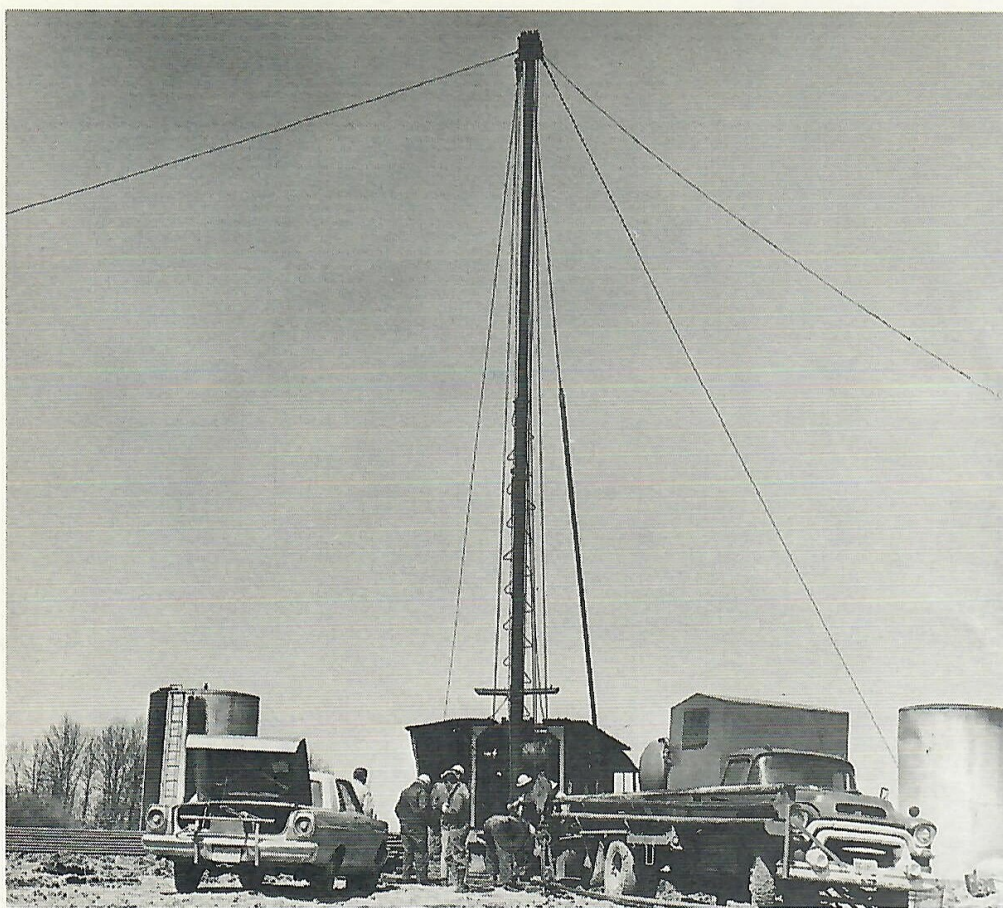
The Ute Pipeline was built to move crude oil from our Lisbon field, near Moab, to a transcontinental pipeline near the Four Corners — where Arizona, Utah, New Mexico and Colorado touch at a single point.

The pipeline is owned by the Pure Transportation Company, a subsidiary of the Pure Oil Company Division. Pure Oil owns or has interests in 7,300 miles of crude oil and

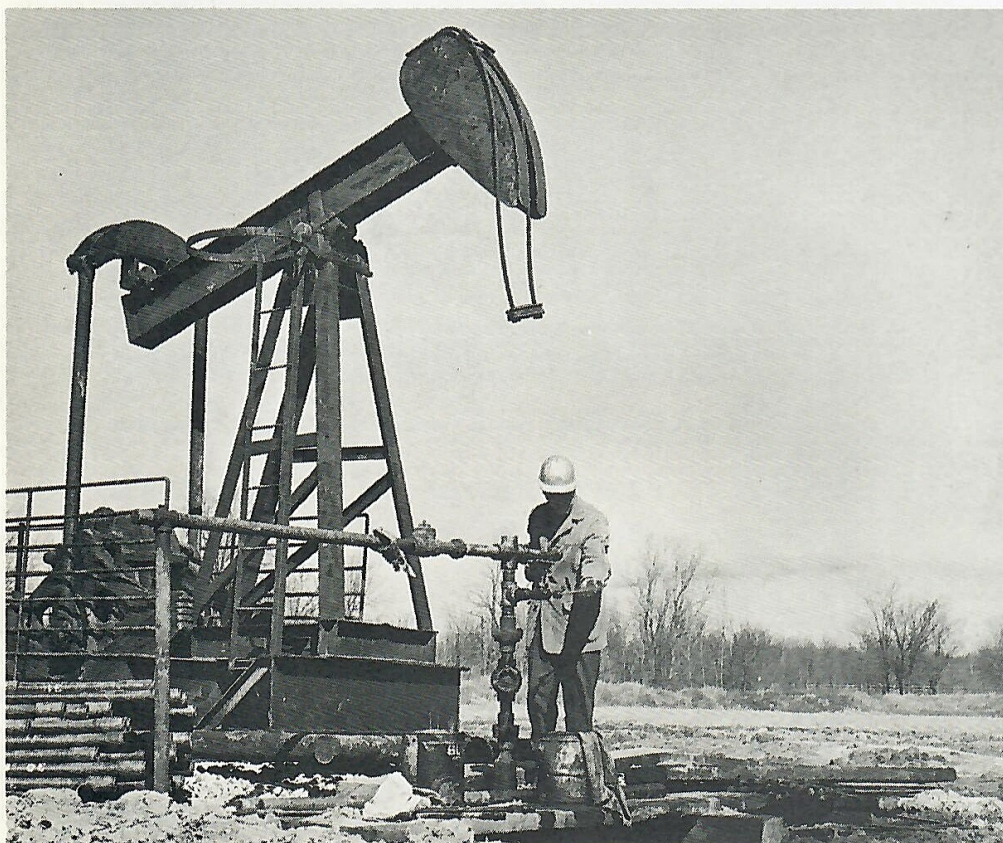
10,700 miles of refined oil pipelines. These interests represent 14 separate pipeline systems or companies, spanning 27 states and two provinces of Canada. Of that, Pure Transportation operates pipelines in nine states and handles nearly 138 million barrels of crude oil and refined products each year.

Ute Pipeline Superintendent Bill Winchester, in 10 years with Pure Transportation, has worked at Olney, Illinois, Ft. Morgan, Colorado and in New Jersey. His assistant, B. F. "Buck" Allison, joined Pure Transportation at Van Field, Texas, and was with Arapaho Pipeline in Nebraska before coming to Utah.

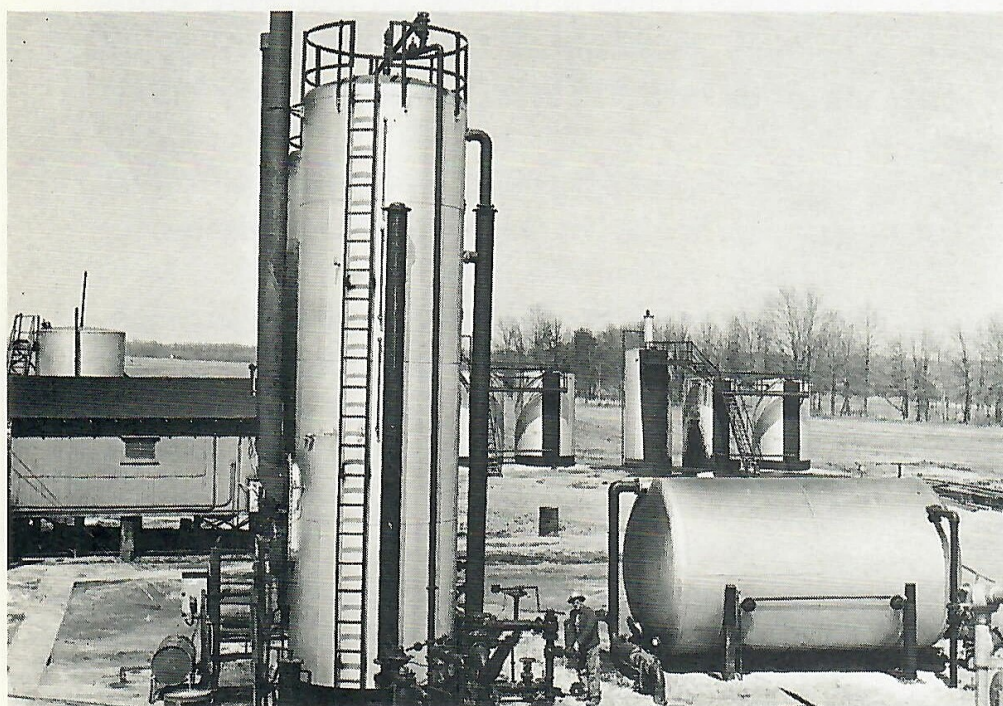
Winchester and Allison report they have another novelty at the Ute Pipeline. At Lisbon field the elevation is about 5,000 feet. From there the pipeline climbs the mountains to 7,500 feet, then flows by gravity all the way to Four Corners. Only one pump station is needed, and from the mountain ridge the line employs pressure reducing valves to keep oil pressure down to acceptable limits at Four Corners. How's that for letting nature do your work for you? ⑦



**EXPERIMENTAL WELL.** The Mary B. Sparr A-2 tests four levels.



**GOOD WELL.** Jim Hunter, field foreman at Union-Menke 1-A



**HEATER TREATER.** Wakefield Unit separates water and impurities from crude stocks which sometimes contain more water than oil.

## *The good citizens of the Illinois basin refuse to get too excited about the latest oil 'Boomlet'*

OLNEY, ILLINOIS

**I**GNORING customers, the waiter kept his back turned while speaking urgently into the telephone.

A hungry land promoter, tapping his water glass, said, "I wish the rest of this town had his enthusiasm."

"Amen," a fellow speculator agreed. "Most of these farmers act as though they don't care whether there's oil on their land or not."

Similar scenes happen every day in Olney, Illinois, where recent Union Oil Company discoveries of new oil in old

# ECHO OF

wells revived the lagging petroleum industry. The public is divided into two camps. One group tries to create a "boom" atmosphere, but the majority of Olneyites prefer to "wait and see."

"We have been through this a couple times before," says Olney Mayor Frank Bower, who owns a feed and grain store. "I took a flyer in the oil business once," he admitted. "Selling feed is a lot safer."

Although he is not an active participant, the mayor recalled that ever since 1937 when The Pure Oil Company touched off the first boom, "Oil has been the salvation of this community." The latest boom, or "boomlet" as one newspaper dubbed it, started when Union Oil reopened a test well that had been shut down for 13 years. They re-entered and acidized the dolomite formation just under 3,000 feet.

That test well, the Union-Leo Menke No. 1-A flowed 538 barrels a day. This strike touched off the excitement. Wells that had been dropping in production were deepened to the new zone — known locally as the St. Louis — and in most cases dramatically increased production.

Oil was originally discovered in the Illinois basin in 1886; several other important discoveries were made at the turn of the century. By 1908, the area was producing 33

million barrels annually. The Pure Oil Company became involved in the area in 1930 when Theron Wasson, chief geologist for Pure, made extensive surveys near Olney.

This investigation kept the geology staff busy for nearly six years. They studied reports from 30 years of old wells and dry holes, compiling mountains of data from the office of the state geological survey. By 1935, Wasson was ready for seismic surveys. As a result of this extensive research, the geologist was certain there was more oil under the relatively shallow (1,200 feet) wells in the Illinois basin.

It was time for the land men to move into action. Working under the command of Robert W. McIlvain, who brought in the first well at Cabin Creek (SEVENTY-SIX, May-June 1966), teams of land men began buying up leases.

Like well-trained soldiers, the land men followed precise orders, covering specific areas, moving swiftly and efficiently. Within three days the platoon of land men had leased a staggering 180,000 acres!

Eventually, rival oil scouts began arriving on the scene, but the *coup* was already complete. Moving into high gear, the land men mopped up while competition tried to crash the market. The result was 250,000 acres under lease to The Pure Oil Company.

Drilling with high speed rotary equipment, The Pure Oil

## A BOOM

Company soon brought in several good producing wells, and brought a new surge of economic strength to the community.

"Before they started drilling," said Olney farmer Bunyan Travis, "we couldn't scratch a living out of this hard-scrabble country. We couldn't get anything to grow on top of the ground. We had drought and all kinds of blight." When the Pure-Bunyan Travis No. 1 well came in on his farm, it flowed 2,643 barrels in the first 24 hours.

By the end of February, 1938, the company had completed 130 producing wells. In the first three years after the Travis discovery, Pure spudded in a new well on the average of one every other day. Despite the spectacular drilling program, the company adhered to a policy of drilling not more than one well on every 20 acres. With most of its leases on a solid block, Pure had excellent control of the area.

Until 1943, Pure's Illinois oil production ranked second only to its Texas wells. A peak year, 1941, reported 11,053,000 barrels. Inevitably, production began to fade and other companies lost interest in the dying field. It was our exploration and production people who resurrected the field. On December 17, 1965, the Leo Menke A-1 well brought the field back to life.

"For awhile it looked like a repeat of the 1937 boom," said J. J. "Jerry" Wasicek, district operations superintendent at Olney. "Then folks started to settle down and sort of wait and see just how good this last-time-around would be."

Since then the St. Louis zone has proved to be a good production area. There are also indications there may be other pay zones in this field that refuses to die. Crews are running deeper test wells, recording each potential strata. One of these wells, the Mary B. Sparr A-2, tested four zones and found production in two.

The impact of the rebirth of the oil field is obvious in Olney, still considered the oil capital of the Illinois Basin. But despite headlines like "Gushers a Go-Go" in metropolitan newspapers, the citizens of the Illinois basin refuse to get too excited. There is a great increase in the night life of Olney, but the celebrants are mostly out of town speculators who often paint glowing reports of easy riches for res-



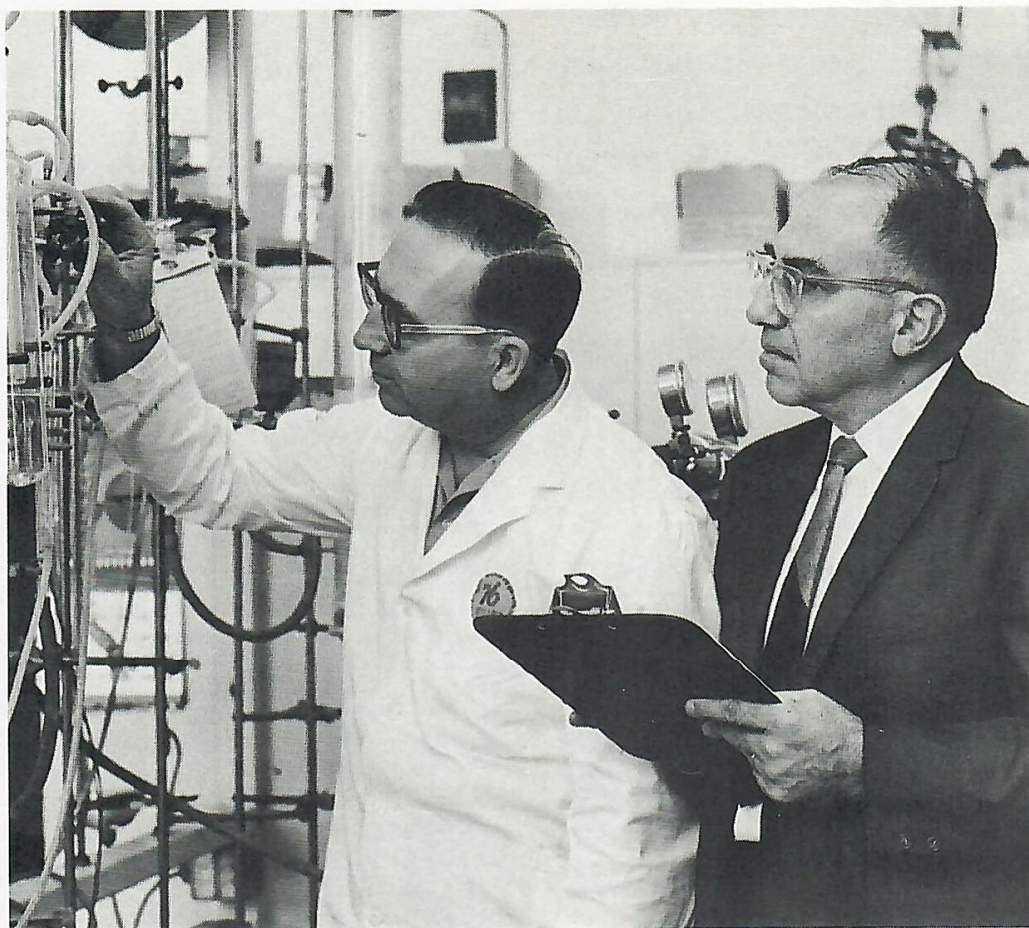
**BUSY MAN.** J. J. "Jerry" Wasicek, district operations supervisor

taurant waiters.

"Those old wild boom town days are over," says field superintendent Jim Hunter. "Oil is a good solid business to most of these people. Pure worked hard to make it that way." Other oil men like Marvin Walker, local geologist, oil well supplier and hotel owner, agree.

"I guess it bothers the big city newspaper reporters who come down here looking for wild scenes and drunken brawls," he says grimly. "But the oil business has grown up a lot since those crazy days of the boom towns."

This is a concensus of the opinions and attitudes of most citizens of Olney. Oil has pumped new life into their economy and if Union Oil Company has anything to say about it, the industry will be a solid factor in this area for a good many years to come. 76



Dr. Thomas Doumani (right) and his assistant Francis A. Pate.

## TOM DOUMANI: Tolman Award Winner

BREA, CALIFORNIA

**S**HORTLY AFTER 2 a.m. research consultant Tom Doumani awakened with a start. His mind, never sleeping, had germinated the seed of an idea. Doumani grabbed pencil and paper, and for three hours sat at the kitchen table drinking a glass of milk and scribbling out chemical formulas. At 5 a.m., his calculations complete, he returned to bed.

Francis A. Pate (pronounced Patti), Doumani's long-time assistant, described the scientist's actions the next morning. "He arrived at the Research Center," Pate said, "and walked to the Patent Department where he began searching through the files. By 9 a.m. he was back in his office, drinking coffee and quizzing me about another research project. No one had to tell me what had happened. I knew, from experience. Someone else already had the patent."

Doumani's midnight idea didn't result in a patent — this time. But it did achieve three things for him: It pro-

*Union researcher is first  
industrial scientist to receive  
the award*

vided a stimulating mental exercise; he learned something he didn't know; and once again he proved the value of the Patent Department's files.

In his 26 years at Union Research Center, this technique and a sharp, probing mind have earned Dr. Thomas Doumani 53 patents, and resulted in 20 highly technical papers on an amazing array of chemical engineering topics. Entire processing plants have been built utilizing his ideas. A Nylon intermediate commercially produced from petrochemicals was based on a Doumani patent. A 100-million pound a year naphthalene plant in Delaware was the result of a patented idea by Doumani.

One area of research in which he is particularly interested is the technique of research itself. For several years he has extensively studied ways to increase the efficiency of basic as well as

applied research.

"Improper mental attitude is a major cause of poor work," he declares. Doumani is currently preparing a series of technical papers on the subject. One of his major points: Before spending a lot of time on an idea, look up the "state of the art." An example: Searching patent files before initiating a project.

Doumani's interests range from basic science to applied, industrial research. Once Doumani found himself on a year's assignment at Brea Chemicals (now Collier Carbon and Chemical Company). There he evaluated the petrochemical market, assessed the then current petrochemical processes, and recommended future courses of action for Union researchers. That assignment finished, he spent a year at the Argonne National Laboratory at Lemont, Illinois, doing basic research with the Atomic Energy Commission in nuclear energy.

To Doumani, chemistry is the most exciting profession there is. "Chem-



istry is universal," he declares with enthusiasm. "It is far more than petroleum. It is our food; it is medicine; it is life itself. The future of industry ... of life ... lies in chemical research. Within my lifetime mankind can be profoundly affected by chemistry."

Doumani cites scores of examples to substantiate his beliefs. For instance, he refers to the process of human aging: "Protein matter in man is polymeric," he says. "And we know from experiments that cross polymerization removes plasticity in molecules. Perhaps aging in the human body is no more than a cross-linking of polymers in our proteins. Who knows what might result if we learn to control polymerization? The effects could be profound!"

Another example jumps the entire spectrum of chemistry, referring to the economics of the petroleum industry. "Today," Doumani says, "fuels, lubricants and solvents are the backbone of the petroleum industry. As the supply of crude oil dwindles, and becomes more expensive, we will be dependent on processes to upgrade our raw materials. Petrochemicals seem to point the way here."

Although Doumani is enthusiastic about petrochemicals, he is not limited to this area. As far back as 1943 he did early work on rocket propellants. Some of those patents are still in force. Later he did early work on catalysts that utilize noble metals, such as platinum. The early 1960's found him concerned with air pollution, working on a flame-type afterburner for autos. Where his inquiring mind will take him next, only he knows.

Doumani was born in Victoria, British Columbia. He came south of the border for his education at the University of Washington. In an unusual scholastic sequence, he took his bachelor's, master's and Ph.D. degrees at the same institution. One reason he remained there was the presence of the late Professor Kenneth A. Kobe, known in chemical engineering circles as a man with complete open-mindedness. Doumani was Professor

Kobe's first Ph.D. candidate.

"He hated the prejudiced mind," Doumani recalls. "He was always willing to take a second look at the impossible." Kobe's philosophy made a lasting impression on Doumani, and today co-worker Pate, who has been with Doumani for 19 years, says, "Dr. Doumani is never at a loss for ideas. Where another man might ponder over a problem, he is always ready with a new approach. If a research project goes awry, he just washes it out and tries another idea."

Doumani has a favorite expression that he reserves for tough problems. "Nature is not simple," he says. "Only man's mind is." More in keeping with Doumani's character, however, is a philosophy he follows in life but seldom expresses: If you want to be a success, pick on the tough jobs.

As a consultant, Doumani has no administrative duties in the ordinary sense; he spends his time on technical problems. Yet when he was asked to head up the A.I.D. fund-raising campaign a couple of years ago, he took such a strong personal interest that the drive was a resounding success.

Perhaps it was Doumani's personal philosophy that led to his strong participation in the drive. "The most interesting things in life are right around us. You only have to look for them," he says, while snipping a limb off a shrub at his new Fullerton, California, home. He might then launch into a dissertation of the role of chemistry in plant life. Very quickly the topic can expand to include human life.

Doumani is a deeply religious man whose philosophy closely parallels that of the late Albert Einstein: The laws of science are too precise to have been mere happenstance.

"This universe of ours, the people in it, the laws of physics and chemistry," he says, "all are too well organized to have been simple accident. Some force — some supreme being — had to be behind it."

Doumani is not a man who quickly loses his temper. In fact, co-worker Pate claims he can remember only

once in 19 years when the scientist became mad. Yet Doumani has his pet peeves. Among them: deception and lack of integrity. He also has a fear that initiative may be stifled by placing "less emphasis on individual accomplishment."

As if chemical research, an interest in Brahms, gardening and philosophical discussion weren't enough, Doumani also is active in professional organizations. The American Chemical Society has long been one of his favorite outside activities. Last year he was chairman of the first ACS western regional meeting when Dr. Glenn T. Seaborg, chairman of the Atomic Energy Commission, was the main speaker.

When officials of the Southern California chapter of the ACS met late last year to select a recipient for the 1965 Richard C. Tolman Award, the judges agreed for the first time to go outside the academic community, naming Doumani. The award was established in 1960 in honor of Dr. Tolman, a distinguished physical chemist who was dean of graduate studies at California Institute of Technology. Inasmuch as the award is not limited to members of the American Chemical Society, it has become, in effect, a "man of the year" award among chemists in the West. A citation accompanying the award paid tribute to Doumani's "many contributions to the petrochemical industry ... his devoted service to the ACS ... and his spirit of public service."

Of all the congratulations, Doumani treasured one above the others. It came from Arnold O. Beckman, chairman of Beckman Instruments Inc., who said:

"Too many scientific people are content to be merely the center of a small scientific world involving their own special interests. The endless hours you have spent in the interests of others, particularly in the stimulation of younger chemists, has always aroused my admiration. The award to you of the Tolman Medal is one indication that many others share my views." 76

**W**HEN THE Union Oil Company announced plans to build a service station in Pacifica, California, many persons in that city of 20,000 near San Francisco objected. "This is a residential community," they argued. Some reacted violently — buying an advertisement in the local newspaper, saying, in effect, "We want no eyesores in our community."

The situation looked bleak. Yet today, three years later, those same petitioners are gold card customers of Charles Ettinger's Union Service in Pacifica. In fact, extra gasoline pumps had to be installed to handle the unexpectedly high volume.

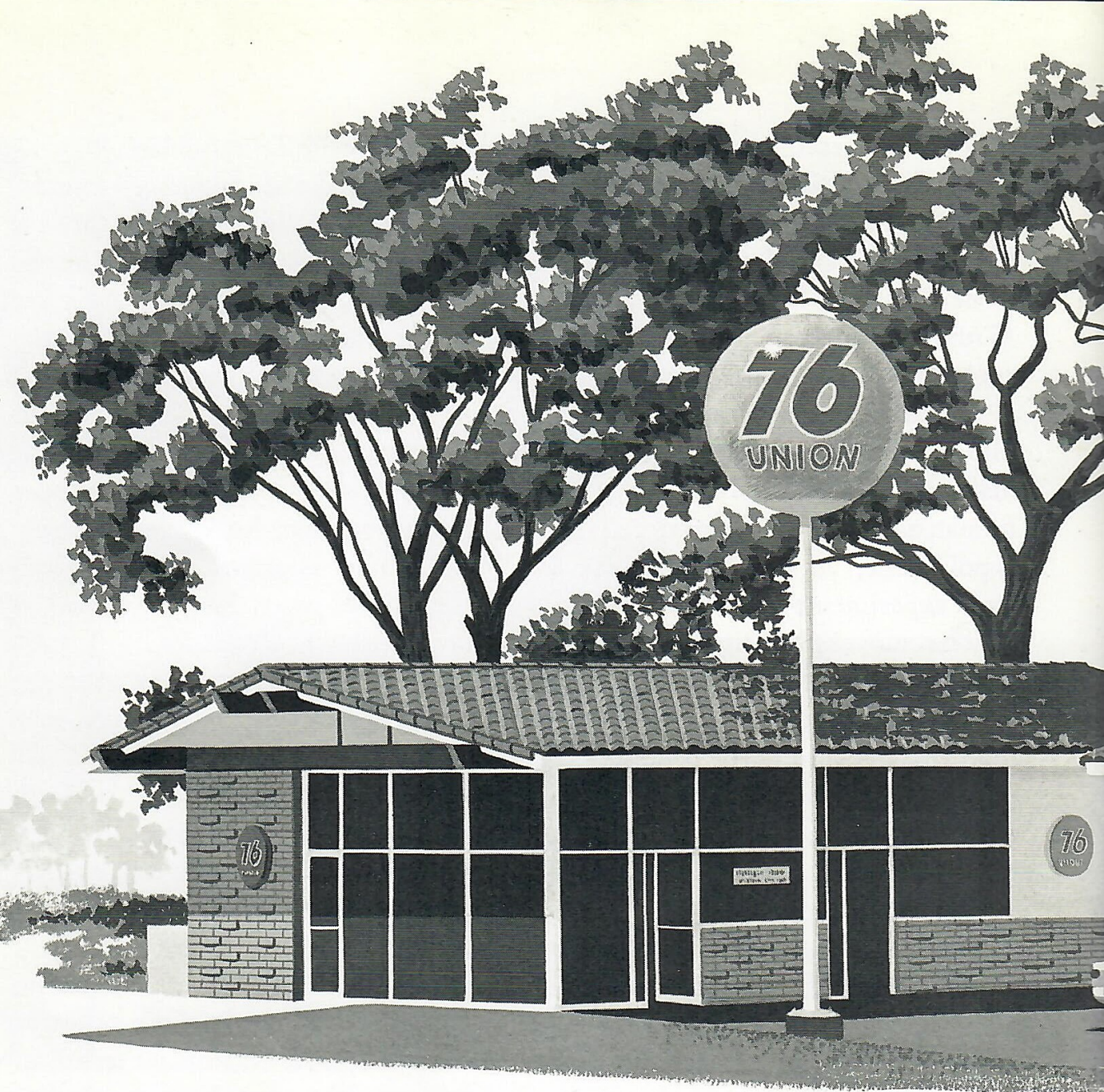
In Tiburon, California, residents of an exclusive neighborhood objected to the idea of a new service station. Today the people of Tiburon are proud, and justly so, of the handsome village pump.

What happened to change the attitudes of the residents of Pacifica and Tiburon? The same thing that changed the attitudes of residents in Thousand Oaks, Hawthorne, Torrance, Los Angeles and many other places. Union Oil Company designed and built service stations so suitably adapted to the local communities they became local landmarks.

In Pacifica, a local architect was commissioned to modify the Type 300 station to blend with the residential motif. The station is near a local historical landmark, known as the Adobe Hacienda, a town hall used by early settlers. The architect designed the exterior of the station in adobe slump stone, a modern building block closely resembling the Adobe Hacienda's facade. For trim, he topped off the upper portion of the building in California redwood.

The station closely resembled the Adobe Hacienda in motif. Pacifica residents began pointing with pride at the "new" building.

As far back as 1960, Union Oil Company had begun taking a look at our station design. Changing tastes and new marketing concepts suggested a new model for service sta-



## 76 SUCCESSES

Our residential style service station

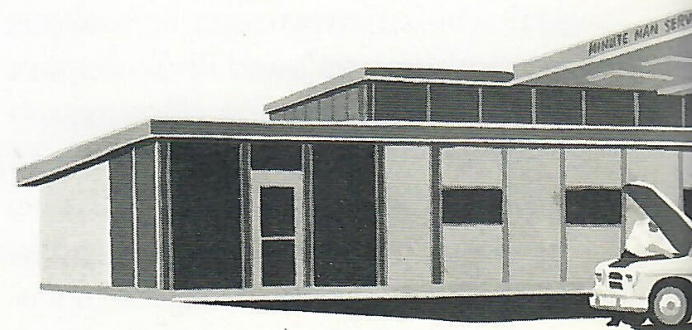
tions. After numerous studies by merchandising men, dealers, real estate men, architects, contractors — in fact, anyone involved in the construction and operation of service stations — there emerged the Type 300 station. The design was neat, functional, efficient and so flexible it would fit onto an odd shaped lot, if necessary. But local conditions often necessitated modification to blend into residential communities. In each case, such as at Pacifica and Tiburon, the modified exteriors won praise.

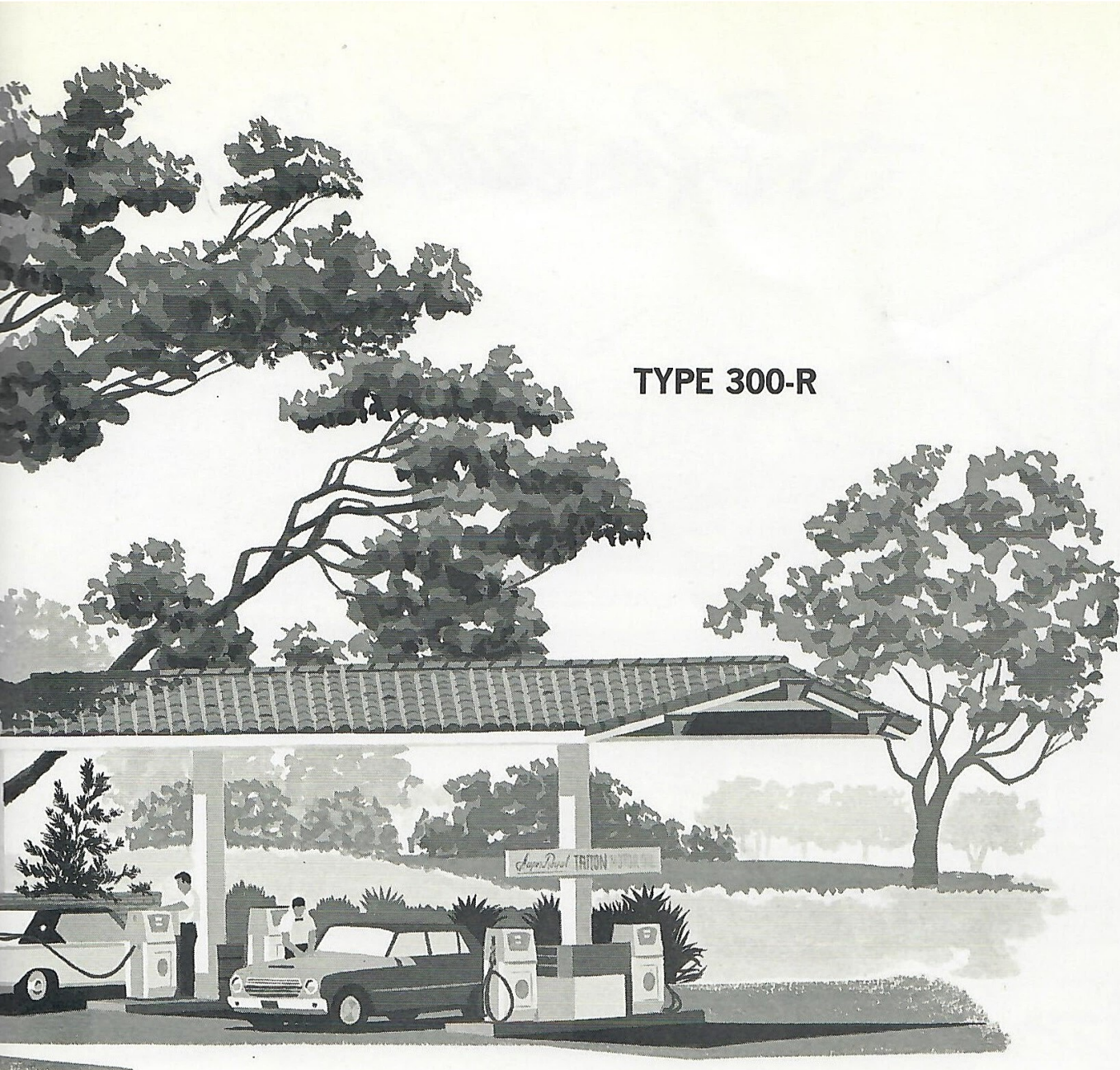
Eventually we developed a revised concept of the Type 300 station, called Type 300-R — "R" for residential. The floor plan, with its functional efficiency, is virtually the same. Major differences are the exterior surfacing, pitched roof and the landscaping.

With the Type 300-R model, our

local marketing men could choose from a variety of exterior surfaces, including locally prominent building material. The pitched roof could be wood shingles or shakes, tile or rock. Pine trees and small shrubs in planters added an extra touch of style.

When the first Type 300-R stations opened for business Union Oil Company immediately began receiving praises. In Hawthorne, California, the Chamber of Commerce cast a special bronze plaque honoring the company

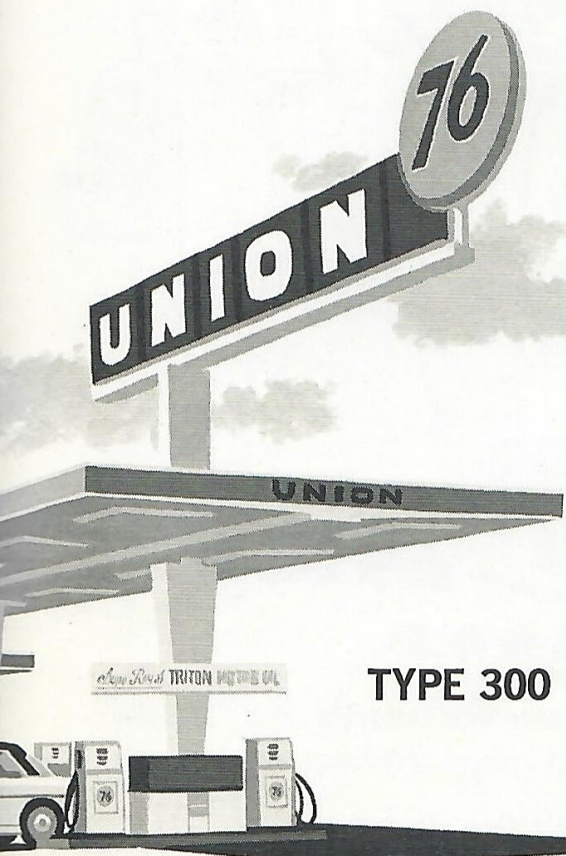




TYPE 300-R

## WITH THE 300-R

winning a wide circle of friends



TYPE 300

for "beautifying the community." The Point Loma Village Association, a civic action group in San Diego, publicly lauded the station design and cited it as an example of community beautification. Late in June, about 400 persons witnessed the city of Torrance, California, present an award to Union Oil Company for a Type 300-R station built in that community.

In Washington, D.C., Mrs. Lyndon B. Johnson's concern with natural beauty has been widely viewed as being instrumental in passage of last year's highway-beautification act. Last February the First Lady called 27 top oil company marketing officials to the White House for a conference on service station beautification.

Said Mrs. Johnson, "There seem to be more service stations than anything else in the country. What could affect

the nation's beauty any more?"

The American Petroleum Institute's marketing division answered for the industry. In effect, it said the oil industry was already beautifying its stations.


Said an API spokesman, "Oil men realize that an attractive place of business attracts customers; so competition produces beauty.

"The motorist has a very effective way of telling the industry what kind of service station he prefers. He simply gives his patronage to those stations that satisfy him not only with their products and services but also with their physical facilities."

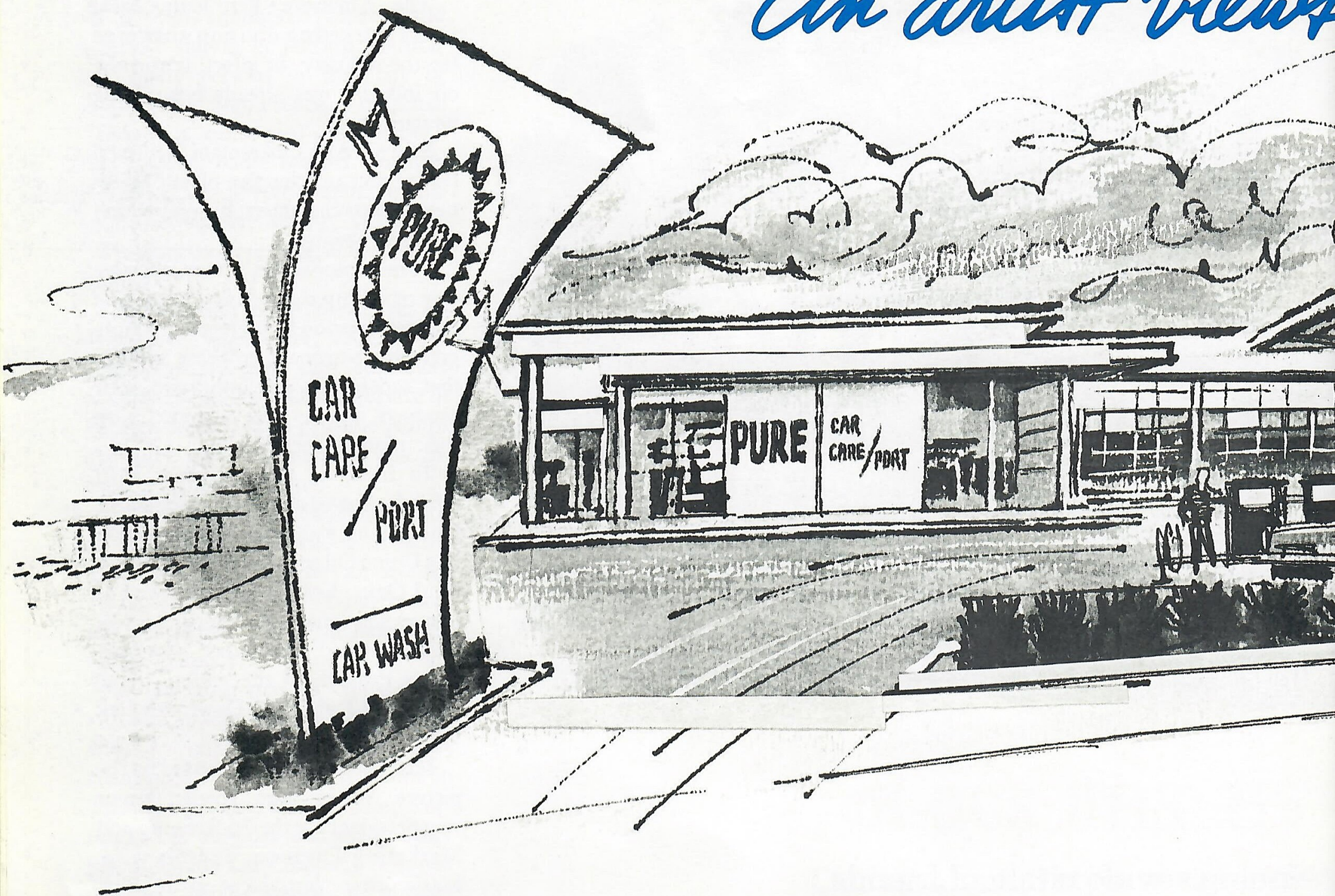
To illustrate the statement, API officials showed a series of color slides. One picture was a color reproduction of a Union Oil service station in Thousand Oaks, California. Millions of Americans have seen the picture in magazine and newspaper advertisements throughout the nation, titled, "Why We Didn't Cut Down this Oak Tree."

Mrs. Johnson was impressed by the picture. When John Towler, senior vice president for the 76 Refining and Marketing Division, and his wife, Marian, were introduced to the First Lady, she congratulated the company.

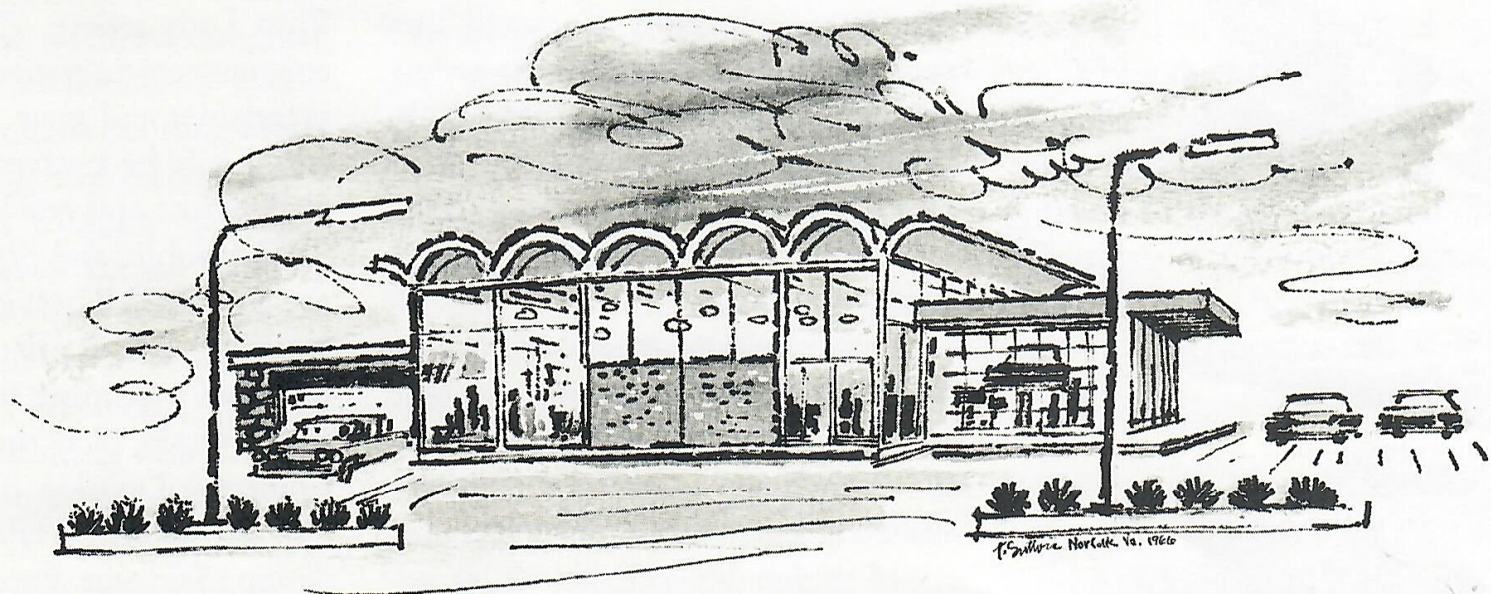
Two weeks later, Union Oil dealers Jim and Ray Blackburn in Thousand Oaks received a letter from the White House signed by Lady Bird Johnson. "I cannot tell you what a pleasure it is for me to learn of the concern for the beauty of our environment," the First Lady wrote. "Your efforts to enhance service stations are most commendable, and your attractive premises should be a refreshing inspiration to travelers and residents alike."

The public and private reaction to the Type 300-R service station design seems to indicate that Union Oil Company has a winning station design. So much so, in fact, that the Pure Oil Company Division has begun building an eastern version of the same design. Said one Pure Oil marketing official, "With endorsements from so many people — including the President's wife — how can you lose?" 

# An artist view

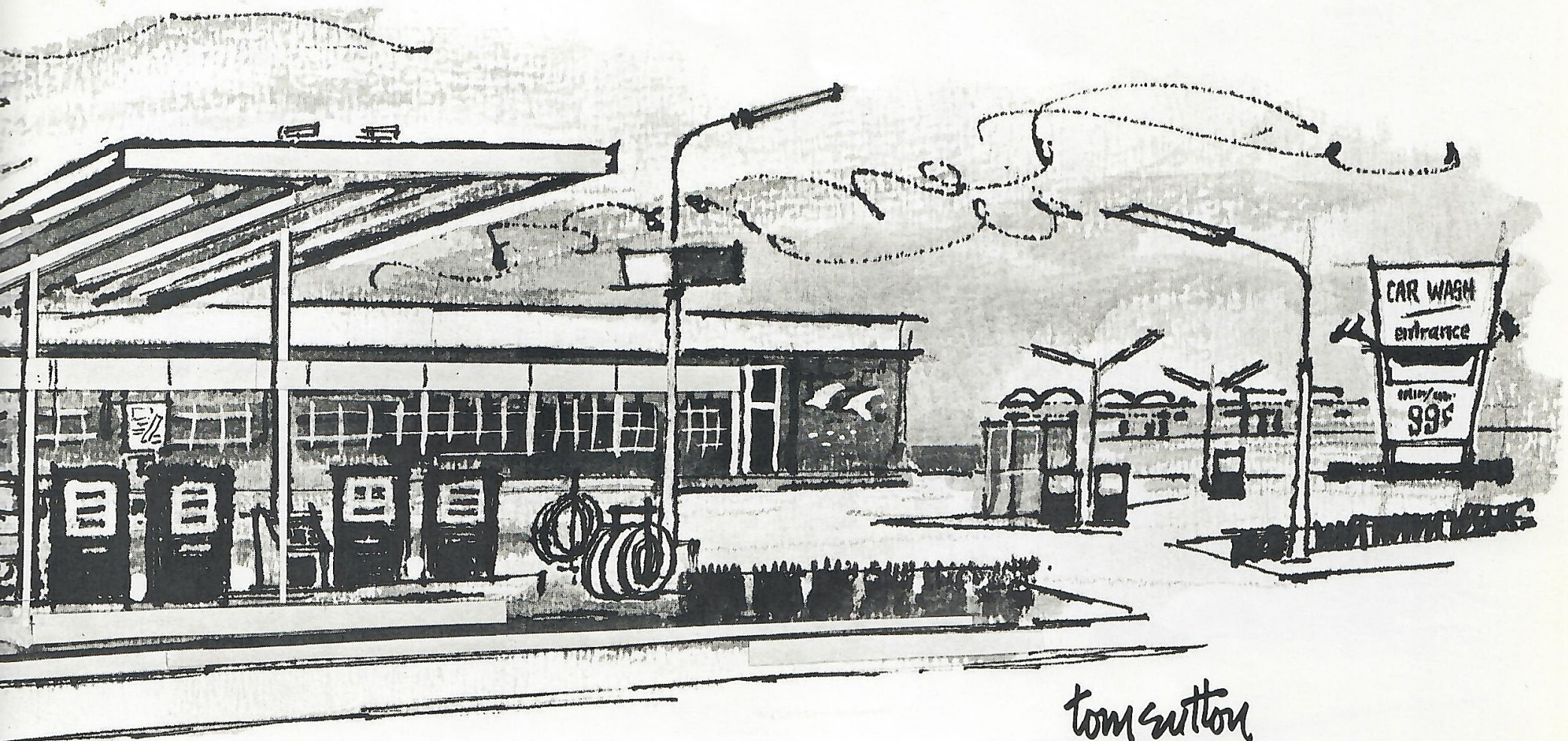


OUR PURE OIL Division's Car Care/Port in Norfolk, Virginia, is bringing grace, style, even flair to the car care business. And hundreds of motorists in Norfolk have learned that a 30 minute trip to the Car Care/Port can be a wise investment before a business or vacation trip. While the customer lounges in a graceful setting, a team of specialists probes the car's vitals in 118 places. SEVENTY-SIX magazine dispatched artist Tom Sutton to record his impressions of the Car Care/Port.



**LEFT VIEW.** The Car Care/Port is situated in a Norfolk shopping center. This left side view shows the entrance to the diagnostic clinic at the right. Exit from the car wash is at the left of the sketch.

# our Car Care Port



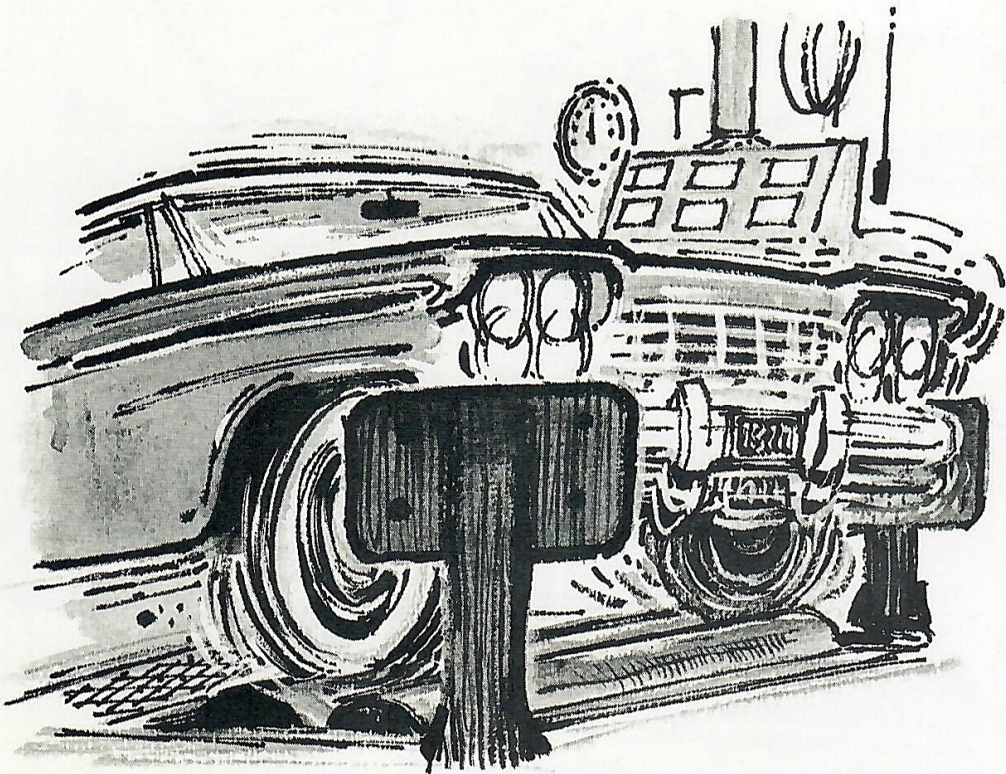
**INSPECTION.** Motorist and wife watch from customer lounge while specialist begins the 30 minute exam.



**FULL DISCLOSURE.** During tests customer listens to running description while analysts keep sharp eyes on the scopes.

# Car Care Port

continued



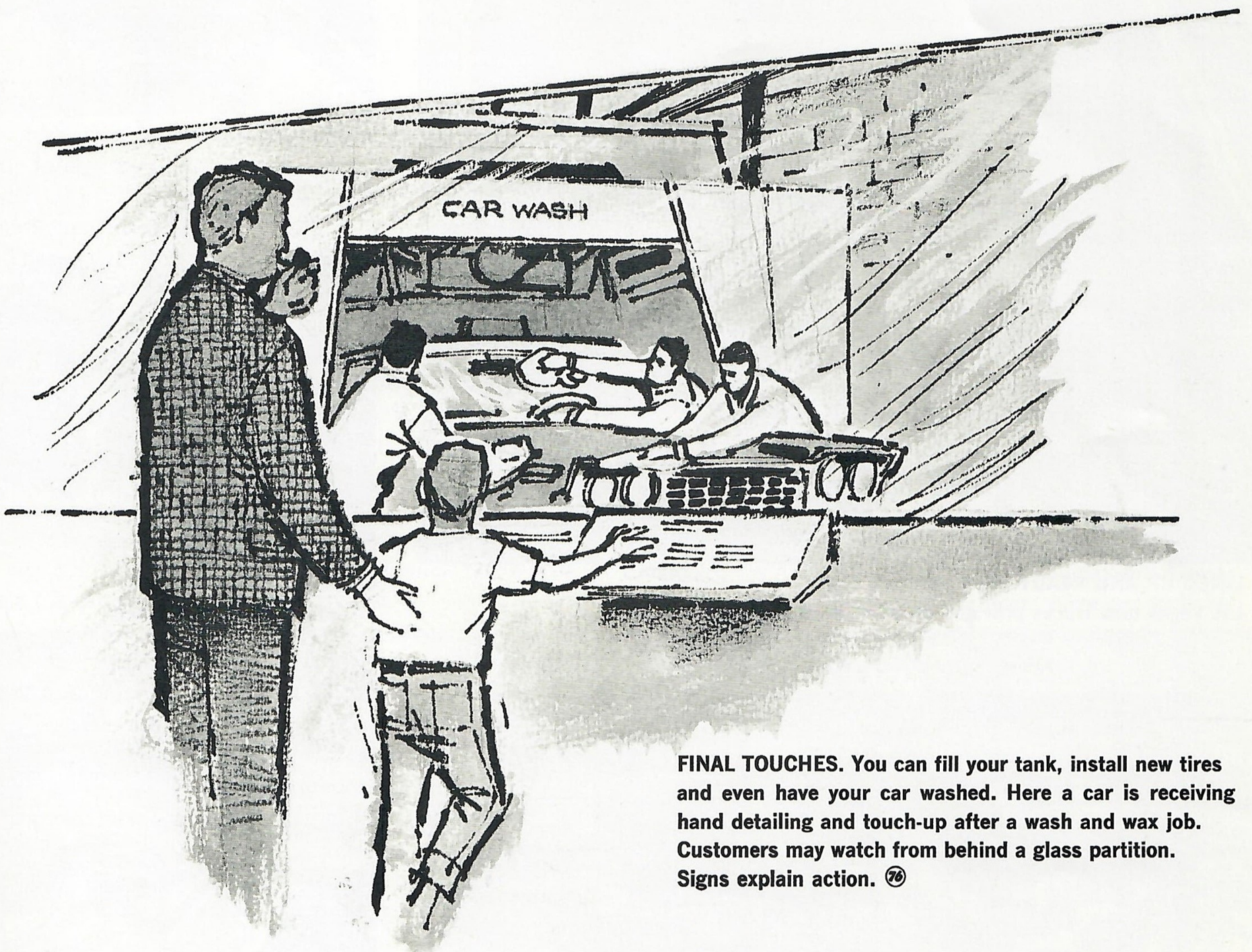
**INDOOR HIGHWAY.** Climax to the examination is a test on the "road in a room," a research lab dynamometer that speeds up, slows down, simulates hills, turnpike driving and tire-screaching stops. Cost of diagnosis is \$8.95.



**CUSTOMER LOUNGE.** Motorists who do not wish to watch examinations may relax in a comfortable customer lounge. Refreshments are available and there are toys for the kiddies. Entrance to lounge passes by an inviting display of tires, batteries and accessories.



**PRIVATE CONSULTATION.** After examination, the customer and chief diagnostician discuss the vehicle's ailments, if any. Customer receives diagnosis report, but is under no obligation to have work done at Car Care/Port. If he does, work is guaranteed.



**FINAL TOUCHES.** You can fill your tank, install new tires and even have your car washed. Here a car is receiving hand detailing and touch-up after a wash and wax job. Customers may watch from behind a glass partition. Signs explain action. 76



**LINED UP AND READY.** At Monterey's Laguna Seca track. Las Vegas tank trucks provided fuel for first SCCA race.



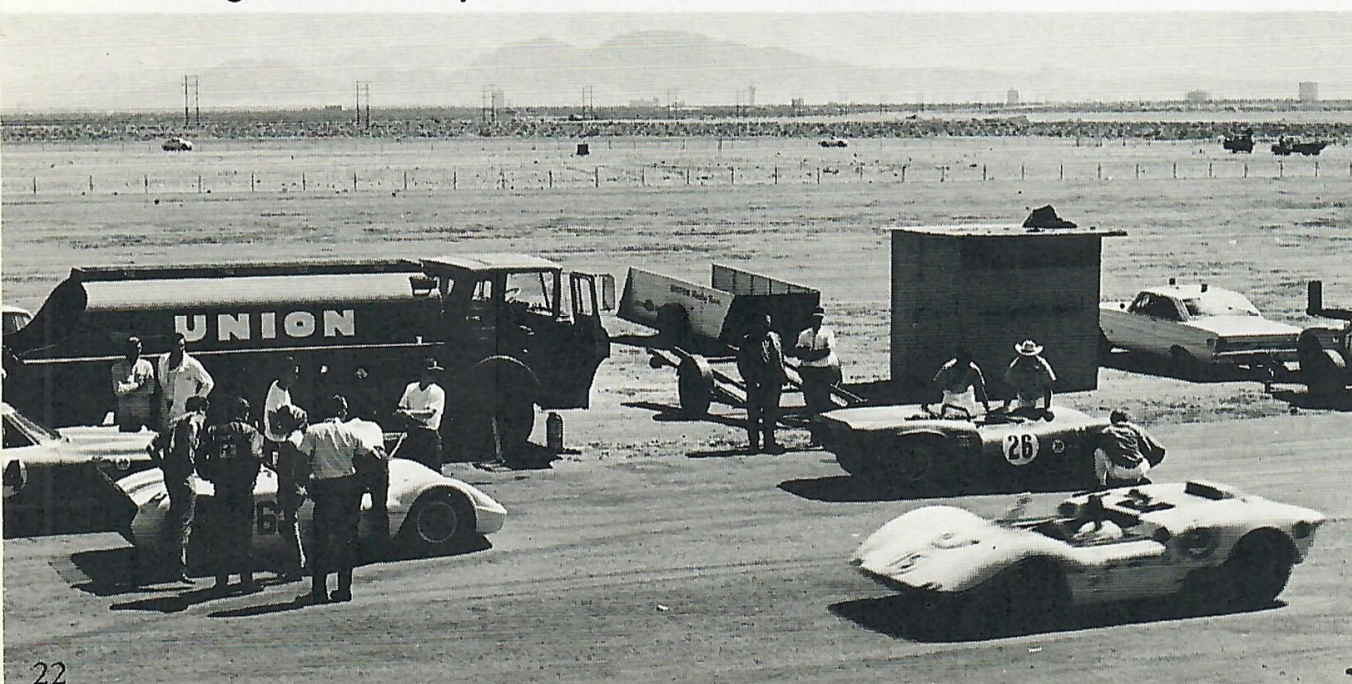
**John Cannon at Las Vegas**



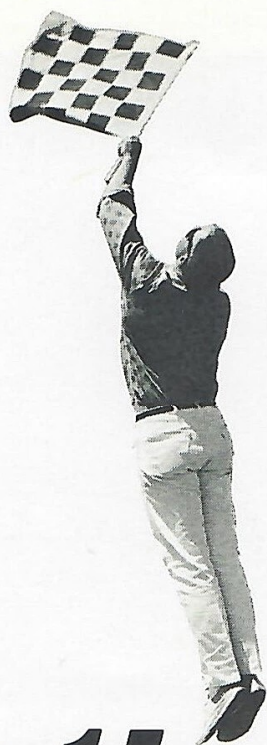
**John Fulp at Riverside**



**Charley Hayes at Monterey**  
Race fan General Curt LeMay







# Gentlemen Racers

**They race for thrills, chilled champagne and the prettiest pit crews you ever saw**

**I**T STARTED early in the 1940's, when a group of wealthy gentlemen in Connecticut decided to race their sporty little foreign cars. Marking off a cow pasture, they stocked a makeshift refreshment stand with vintage champagne, then invited friends and neighbors to watch the race.

This was the birth of one of America's fastest growing spectator sports. Prior to this time, sports cars had been motorized status symbols in this country; all serious sports car racing was done on European tracks.

Gradually larger crowds began visiting the cow pasture and other sports car owners asked to join in the weekend fun and games. Finally, the gentlemen racers formed a club, the Sports Car Club of America (SCCA), which today has chapters in all 50 states.

Beginning in April of this year, the gentlemen racers took to western tracks to open the annual United States Road Race Championship (USRRC) contest.

"It was the best field we've had since starting on this circuit three years ago," said an official of the California chapter, SCCA. "Machines are better and the races more exciting than even we expected," he added.

It was also a big year for Union Oil participation in the sport that is fast becoming a favorite American pastime. Last year Union Oil became official fuel supplier at Riverside International Raceway, Riverside, California. This year two more tracks were added: Laguna Seca at Monterey, California, and the new Stardust International Raceway at Las Vegas, Nevada.

The first race this year was on April 24 at Las Vegas. A record crowd of spectators took time off from the gaming

tables to stand in broiling desert sunshine and watch Canadian-born John Cannon open the season with a boom.

Driving a low slung Grand Prix racing car with an engine that started out as an Oldsmobile, he had little trouble becoming the track's first winner. His car, the Vinegaroon, is owned by TV star Dan Blocker, better known as "Hoss" Cartwright.

For this race, Royal 76 gasoline was supplied directly from a tank truck, since there had not been time to construct a permanent installation at the new track.

Another desert track, Riverside, where Union's Type 300-R station is already a landmark, was the scene of the second race of the season. This started as a stirring battle between two veteran racers, Jerry Grant and Charley Hayes. In less than ten laps they were both out of the race: Grant with a torn-up gear box, Hayes with a broken ring and pinion. Out of the pack came a lean young North Carolinian, John "Buck" Fulp, who took the lead and held it to the sizzling finish. His closest competition came from Skip Hudson, well-known driver who had taught Fulp how to drive a few years ago.

In Monterey the weather was bad. Union Oil personnel manned the pumps in a drizzly bone chilling mist. Still, the weather did not dampen the spirits of a capacity crowd, some of whom had spent the night in sleeping bags to assure good seats.

Charley Hayes won this race easily. There was never any doubt from the time the green flag dropped until he popped the cork on the winner's bottle of champagne.

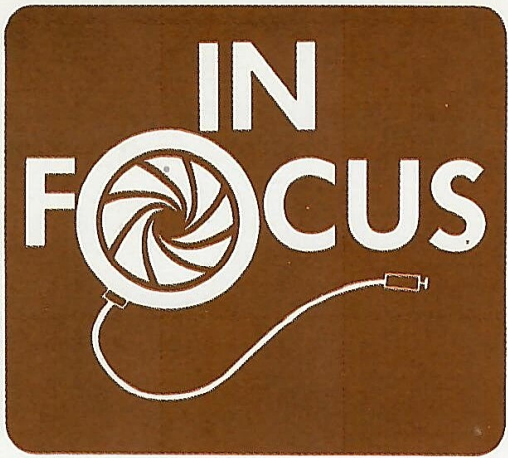
Sports car racers generally compete for smaller purses than their brother wheel-handlers on the stock car circuits. There are several other differences. Sports cars are generally sponsored by smaller concerns, not automobile manufacturers.

Of course there is a hard core of professional racers who make a career of racing, but there are just as many amateurs and semi-professionals who run on the same track at the same time as the bigger cars. Each category has a winner, which is sometimes confusing to spectators.

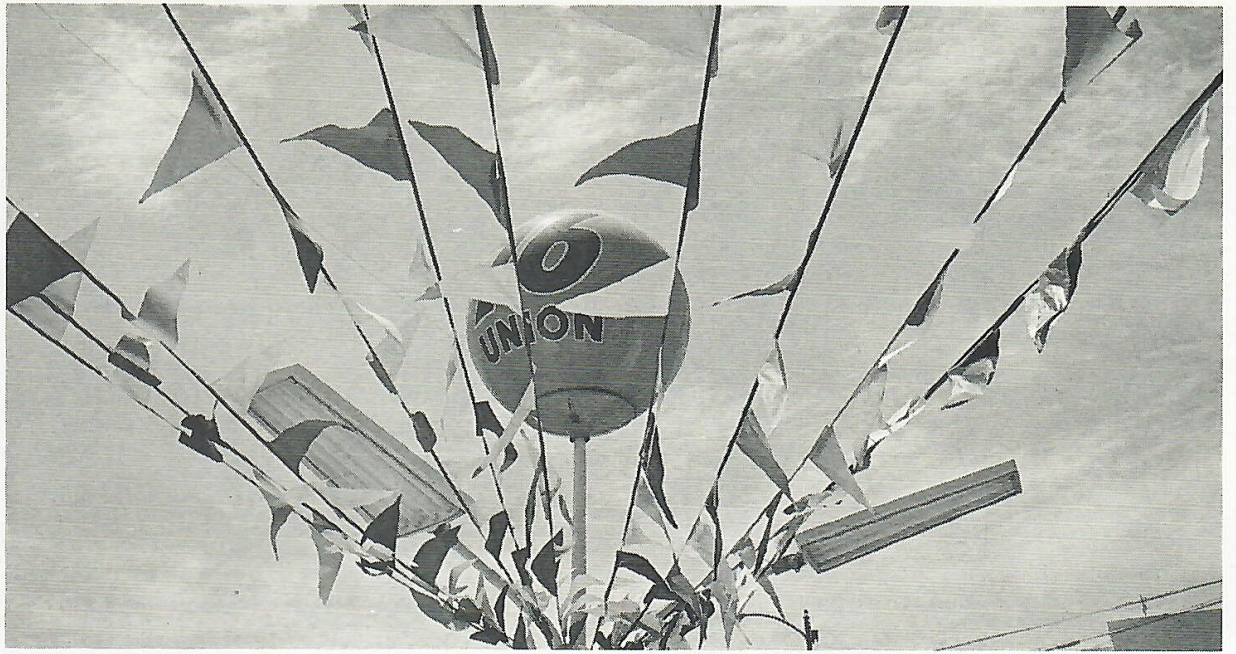
Where stock car drivers tend to be clannish and all business, the gentlemen racers attend the meet as much for social activity as driving. A stock car team with a girl on the pit crew would be as welcome as poison oak in a Caesar salad. Superstition-free sport car racers have no such beliefs. A pretty girl on the pit crew, whether or not she knows one end of a wrench from the other, is very "in."

There were plenty of pretty girls in the pit crews during this year's exciting Spring season. They'll be back again in the Fall, when the final races of the championship contest are run at these same tracks. These later races will include the classic Los Angeles Times Grand Prix, which Union Oil first provided fuel for in 1965.

Many cars did not finish (DNF in race jargon) in these three opening races. Only one of these ill-fated speedsters dropped out because of a fuel problem. The driver decided to use his own gasoline instead of Royal 76 provided at the track. Sorry about that! 76



**COAST TO COAST**



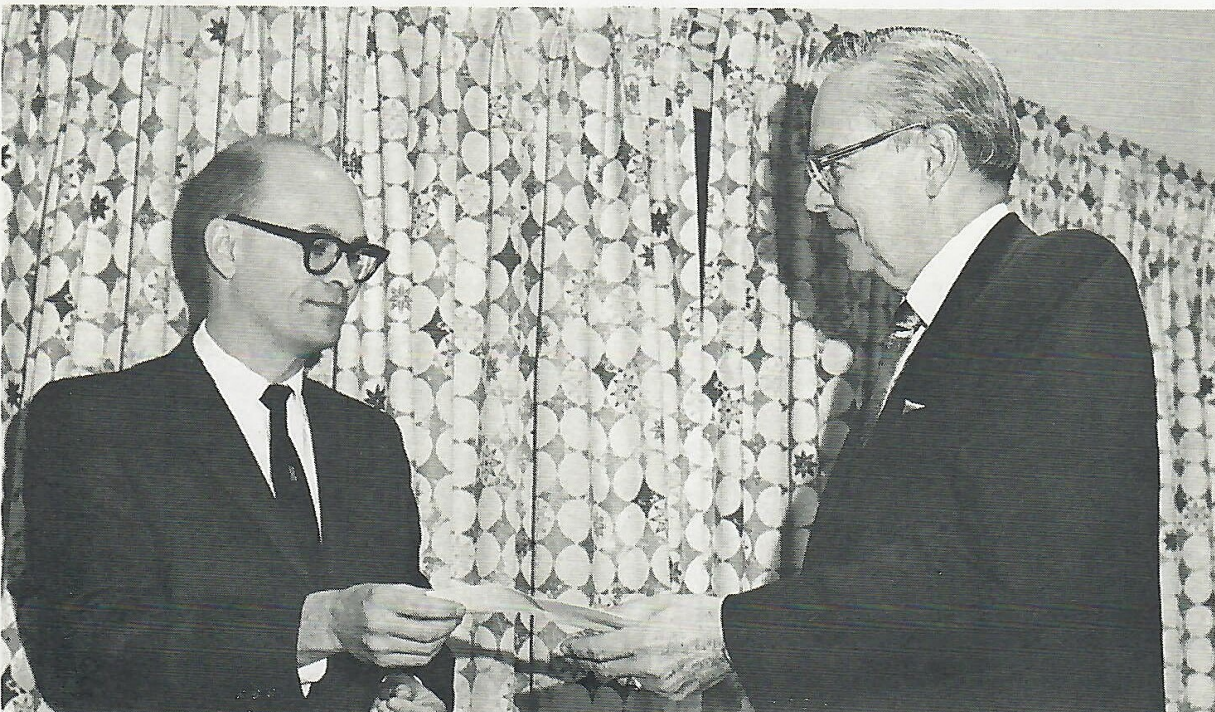
**FLYING SAUCER** — A phone call to the Oxnard, California, Air Force Base reported an unidentified flying object hovering over a residential area. "It glows orange and blue," the frantic caller said. A team of Air Force investigators rushed to the scene to discover a new illuminated Union 76 sign glowing orange and blue.



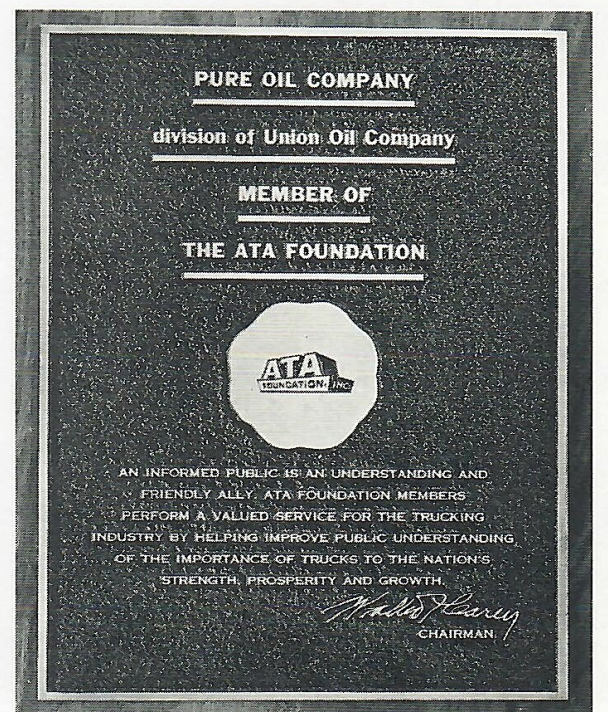
**COUNCILMAN** — Robert Arth, financial analyst at Union Oil Center, recently was elected to a four-year term on the Arcadia, California, City Council.



**SWEET CELEBRATION** — Bulk operations department of Los Angeles Refinery recently marked 2,500,000 man hours without disabling injuries. At cake and ice cream party, Robert Brown, general superintendent of operations (wearing suit), presents safety award plaque to (L-R) J. B. Johnson, G. K. Rilea, H. G. Hill, and W. R. Gott.



**GRANT TO TRUCKERS** — Claude S. Brinegar, president of Pure Oil Division, presents a check to chairman Walter F. Carey of the American Trucking Association Foundation for the 1966 fund.



Shown at right is the new membership plaque given to Pure Oil Division in appreciation of many years of cooperation between the company and the trucking industry organization.



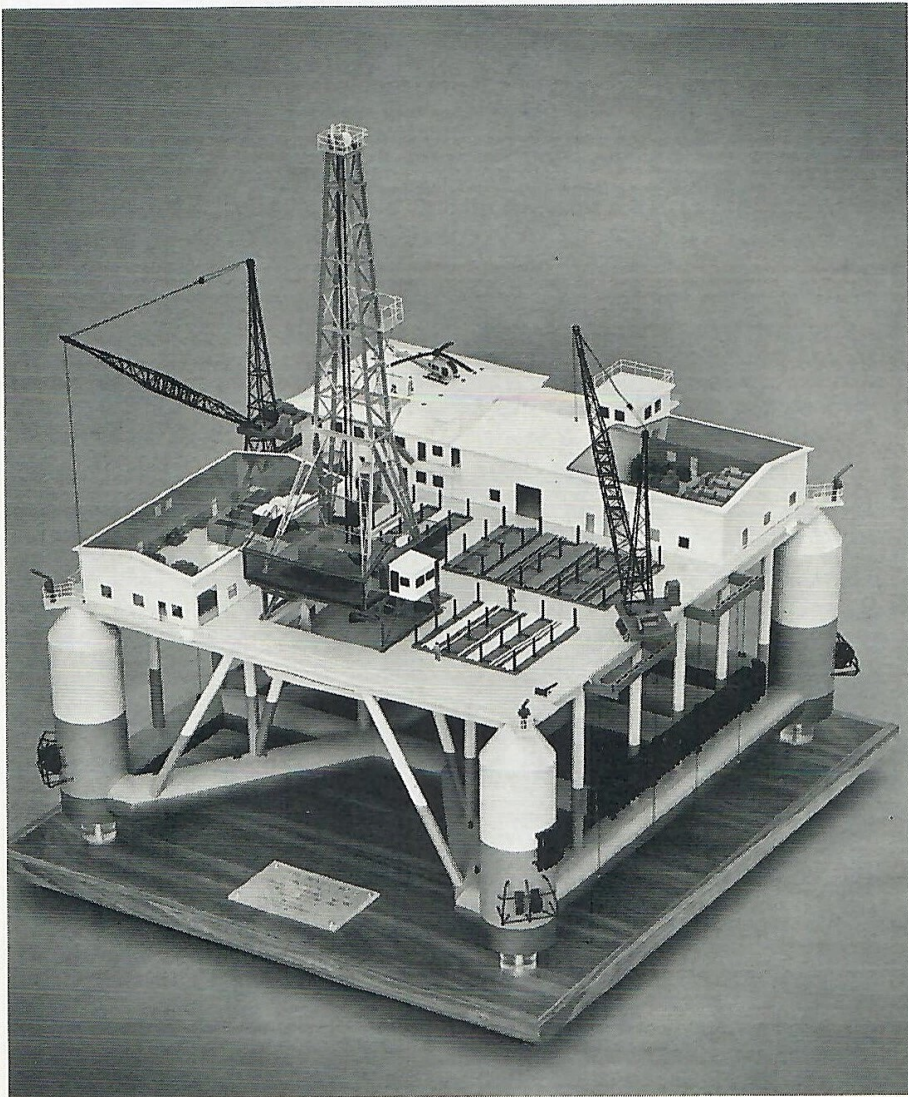
**TRUCKING SAFETY**— J. V. "Jerry" Sanner, Pure Oil Company Division manager of Truck Industry Sales, presents the first of 1,000 driver training kits to Goley D. Sontheimer, American Trucking Association official. Kits contain audio-visual aids.



**ROCKFELLOW SCHOLARSHIP**— Joseph F. Park (left), University of Arizona history scholar, receives the first Rockfellow memorial scholarship presented by Mrs. Rockfellow and Charles Arnold, Union Oil Company representative for Tucson, Arizona, area.



**76 ROYALTY**— Pretty Becky Rae Paulus, daughter of Union Oil retail sales supervisor Jerry Paulus, Spokane, Washington, was selected queen of the 1966 Spokane Boat Show. Union Oil's 76 outboard fuel and marine products also made hits at the show.

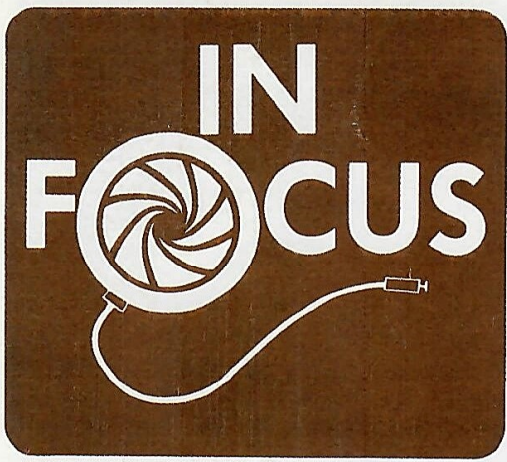


**GULF DRILLER**— Here's a model of the *Blue Water 3*, latest addition to Union Oil's offshore drilling equipment. Constructed in Orange, Texas, rig is leased from Santa Fe Drilling for operations in Gulf of Mexico. *Blue Water 3* can operate in 1,000 ft. of water.



**INVESTMENT**— B. G. Lyon (right), Pure Oil Company Division district manager in Florida, presents \$1,000 check to Dr. M. S. Heidingsfield, head of newly organized International Resource Center at University of Florida. Center will develop marketing techniques for businesses dealing in overseas market areas.

continued



**COAST TO COAST**

continued



**VOLUNTEER** — Derek S. Povah, manager of Benefit Plans and Services at Union Oil Center, receives a plaque from AID-United Givers President Edward T. Shedlock. Povah worked for the Los Angeles branch of the American Cancer Society as chairman of the employee education committee for last year's fund campaign.



**COLORFUL CONTEST**— Dean Elliott, Union Oil consignee in John Day, Oregon, poses his pet Saint Bernard, "Burnie," with the winners in a color Burnie contest he held to promote Union Oil products. Children colored a cartoon drawing of Burnie which Elliott ran as an advertisement in the local newspaper. Cash prizes were awarded by age groups.



**TAX ASSOCIATION** — William H. Evans, Oleum Refinery, Rodeo, California, has been named president of Contra Costa County Taxpayers Association.



**WINNER** — Bayard Catherwood, son of Thomas Catherwood, Union Oil marine engineer, won a Los Angeles Times one-year scholarship award totaling \$2,000.



**D & D DIRECTOR** — Laurette Luce recently was elected regional director for Desk and Derrick Clubs. She is in the Customer Relations Dept. in San Francisco.



**WLGA PREXY** — Keith D. Wall, Union Oil, Los Angeles, coordinator of LPG products and sales, has been elected president of the Western Liquid Gas Association.



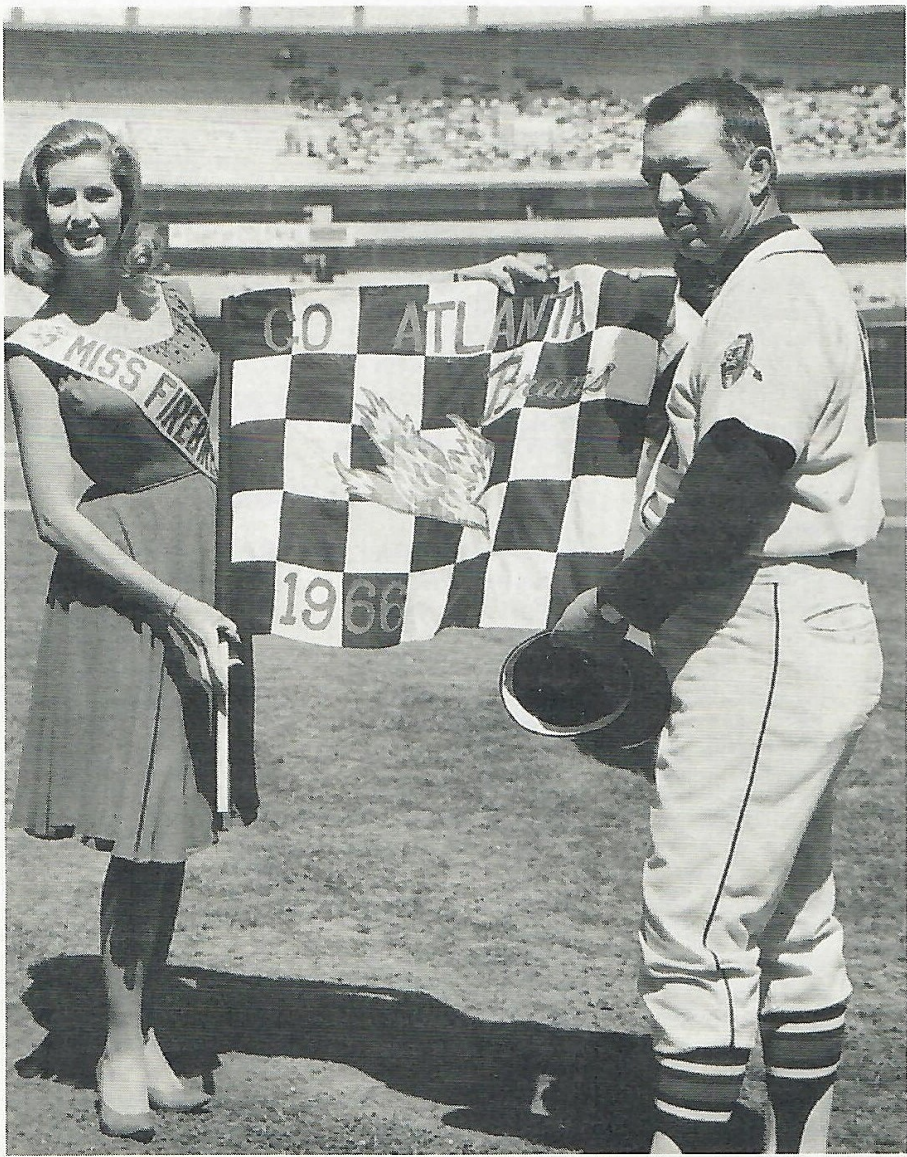
**PITCHING STAR** — Johnny Antonelli, former big league ace, now is a distributor of Union Oil products in Rochester, N.Y., enthusiastically pitching Triton motor oil.



**GLOBETROTTER** — F. K. "Kem" Cadwell, president of Unoco Ltd., operating in Hong Kong, recently recorded 1.5 million miles as a jet commuter to the Orient.



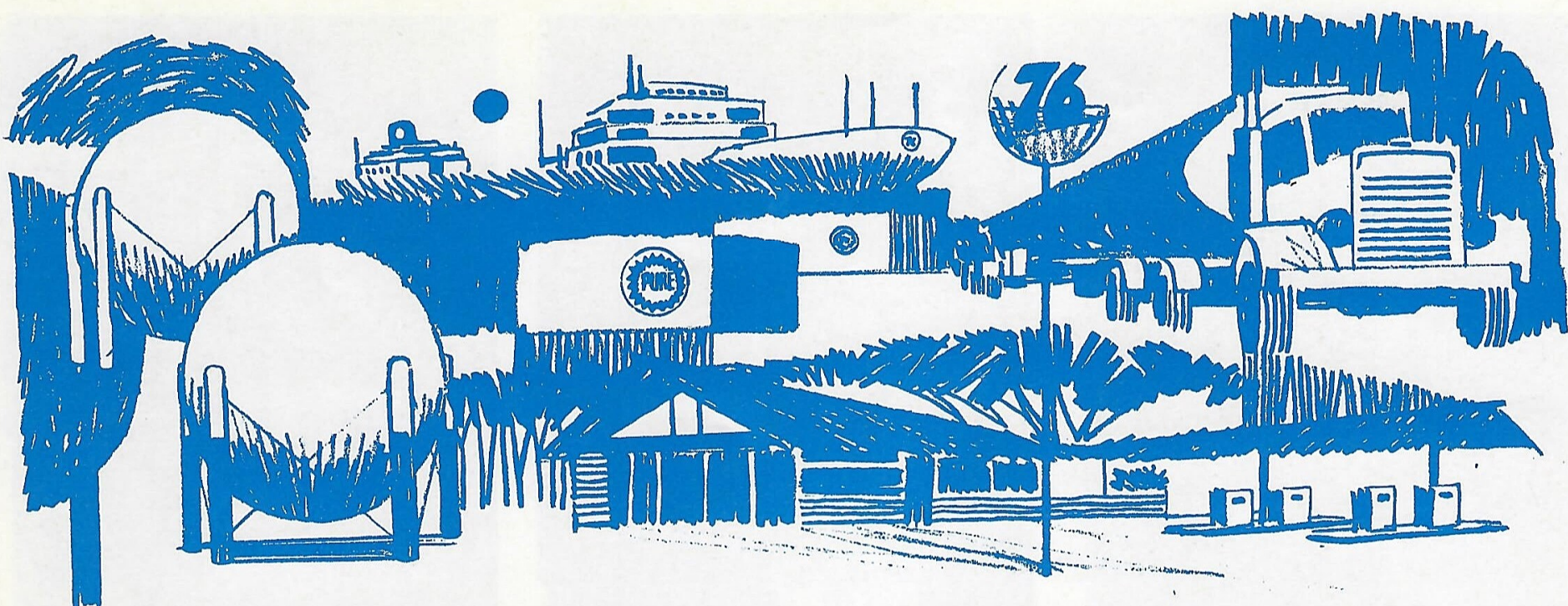
**SAFE DRIVER** — Charles A. Lewis recently completed 18 years accident-free driving for Oleum Refinery, Rodeo, California. He soon celebrates 41 years of service.



**BEAUTY AND THE BRAVES** — Edwina (Winky) Louise, Pure Oil's Miss Firebird, presents a racing pennant to Atlanta Braves manager Bobby Bragan during pre-game ceremonies at the new Atlanta stadium. Pure Oil sponsors Braves radio and TV coverage.



**ADVERTISING AWARD** — Walter Simmons (right), general manager, Pure Gas and Chemical Company, Denver, Colorado, received this year's Nike Award from Denver ad men for a radio commercial. With him is Larry Lazier, local advertising man.



# SERVICE EMBLEM AWARDS



## CORPORATE STAFF

### JUNE 1966

#### 40 YEARS

JAMES T. LANG.....Research Center

#### 30 YEARS

CHESTER E. WILSON.....Research Center

#### 25 YEARS

MARJORIE E. ADAMS.....Union Oil Center  
RICHARD T. DULANEY.....Union Oil Center

#### 20 YEARS

EARLE R. ATKINS JR.....Research Center  
MAX M. ELLIS.....Research Center  
EDMOND J. LUDWIG.....Research Center

#### 15 YEARS

L. E. CREEDEN JR.....Research Center  
ROBERT R. EVANS.....Research Center  
STEVE NOSLER, Unoco.....Hong Kong  
LEE C. VOGEL.....Research Center

#### 10 YEARS

RONALD J. FLATTUM.....Research Center

### JULY 1966

#### 30 YEARS

RUSSELL J. ARTHUR.....Research Center  
MABEL JEAN BROWN.....Union Oil Center  
HENRIETTA M. NEILL.....Union Oil Center  
JOHN E. SHERBORNE.....Research Center

### 25 YEARS

ROLAND F. DEERING.....Research Center  
HARVEY HENNIG.....Research Center  
BYRON B. WOERTZ.....Research Center

### 20 YEARS

LEROY W. HOLM.....Research Center  
E. C. SCHLUTER JR.....Research Center

### 15 YEARS

ELSIE A. GARDNER.....Union Oil Center  
DOROTHEA M. NILSEN.....Research Center  
DEAN SANFORD.....Research Center  
CARLYLE G. WIGHT.....Research Center

### 10 YEARS

SAMUEL CHERNOFF.....Union Oil Center  
JAMES F. DICKENS.....Union Oil Center  
JUANITA B. SHEDRICK.....Research Center

### AUGUST 1966

#### 40 YEARS

JOHN F. CONDON JR.....Research Center  
CHARLES H. MILLER.....Union Oil Center  
ROBERT J. TANNER.....Research Center

#### 15 YEARS

BETTY WESTERVELD.....Union Oil Center

## EXPLORATION & PRODUCTION DIVISION

### JUNE 1966

#### 40 YEARS

F. H. BILLINGTON.....Rosecrans, Calif.  
ROY A. DICKENS.....Oklahoma City, Okla.  
WILLIAM P. KNICK.....San Joaquin, Calif.  
MARK T. PEYTON.....Midland, Tex.

#### 35 YEARS

DANIEL T. KINMAN.....Oklahoma City, Okla.

#### 30 YEARS

GERALD W. BLACKBURN.....Houston, Tex.  
MELVIN W. COATS.....Dominguez, Calif.  
JAMES E. CUNNINGHAM.....Olney, Ill.  
REXFORD C. McCLURE.....Mt. Pleasant, Mich.  
WALDO J. SILL.....Mt. Pleasant, Mich.  
FRED J. SIMMONS.....Santa Fe Springs, Calif.

#### 25 YEARS

ROBERT G. BUNKELMAN.....Santa Maria, Calif.  
ROBERT E. CARTNAL.....Olney, Ill.  
LEO CONTI.....Del Valle, Calif.  
EMEL G. HUGHES.....Cat Canyon, Calif.

SAMUEL E. PATTERSON.....Santa Maria, Calif.  
JOHN M. PAYNE.....Dawes, W. Va.  
MALCOLM S. SHEPPARD.....Dawes, W. Va.  
FRANKLIN R. WADE.....Union Oil Center

### 20 YEARS

BILLIE N. EVANS.....Santa Paula, Calif.  
MORRIS W. FULKS.....Oklahoma City, Okla.  
JACK GLOBERSON.....Santa Fe Springs, Calif.  
RALPH A. HOUDYSHELL.....Midland, Tex.  
LOIS M. JOHNSON.....Orcutt, Calif.  
JOHN C. STALLARD.....Oklahoma City, Okla.  
CLIFFORD W. WOOD.....Sansenina, Calif.

### 15 YEARS

BOB L. ADKISON.....Casper, Wyo.  
EGBERT C. BOBO.....Houma, La.  
ROBERT N. BONGARD.....Houston, Tex.  
DARREL W. BOYD.....New Orleans, La.  
CARL R. CARLSON.....Bakersfield, Calif.  
CHARLES R. CLARK.....Casper, Wyo.  
WAYNE T. CONNOR.....Newark, Ohio  
ARNOLD D. DETHROW.....Oklahoma City, Okla.  
EUGENE F. GRIFFIN.....Union Oil Center  
TRUDIE M. HOLMES.....Houston, Tex.  
JOHN F. KOHAL JR.....Coalinga, Calif.  
FRANK L. LEMMON.....Orcutt, Calif.  
PATRICIA A. REAGAN.....Union Oil Center  
WESLEY W. WILLBORG.....Houston, Tex.  
JOHN WOLFENBERGER.....Santa Paula, Calif.

### 10 YEARS

LOULA G. ANDERWALD.....Midland, Tex.  
ALLEN J. BRUGMAN.....Durango, Colo.  
ROBERT D. JONES.....Abbeville, La.  
BERNICE E. KELLY.....Houston, Tex.  
RICHARD G. MARTIN.....Roswell, N. M.  
HULAN L. MASSEY.....Lafayette, La.  
BEN E. TALLEY.....Olney, Ill.  
C. A. TANNAHILL.....Houston, Tex.

### JULY 1966

#### 40 YEARS

LEONARD A. CRAIG.....Dominguez, Calif.  
JOHN R. GRAY.....Midland, Tex.  
LELAND E. PHILLIPS.....Houston, Tex.  
LAWRENCE D. POWELL.....Orcutt, Calif.  
WILLIAM F. SCHAFER.....Lafayette, La.

#### 35 YEARS

ELLSWORTH D. COLE.....Cat Canyon, Calif.  
JAMES H. McCOURT.....Cut Bank, Mont.

#### 30 YEARS

JOHN HARNER.....Mt. Pleasant, Mich.  
ELIAS LeJEUNE.....Lafayette, La.  
MILTON L. MOORE.....Las Cienegas, Calif.  
HARRY G. STAINBROOK.....Cat Canyon, Calif.

**25 YEARS**

JAMES E. BAKER.....Olney, Ill.  
 COLIN H. CHADBAND.....Santa Fe Springs, Calif.  
 EMMET B. VINZENS.....Palatine  
 ELIZABETH A. WATSON.....Union Oil Center  
 HERBERT C. WILLIAMS.....Olney, Ill.

**20 YEARS**

FRANCIS L. BRUMANA.....Guadalupe, Calif.  
 NEIL R. FAGERBOURG.....Santa Maria, Calif.  
 GEORGE H. FEISTER.....Denver, Colo.  
 H. L. FOTHERGILL.....Union Oil Center  
 CLIFFORD E. HOWARD.....Guadalupe, Calif.  
 RICHARD A. MEAD.....Guadalupe, Calif.  
 L. S. RICHARDS.....Bakersfield, Calif.  
 FLOYD E. SHELTON.....Houston, Tex.  
 ARTHUR W. SILVA.....Santa Maria, Calif.

**15 YEARS**

GEORGE A. BRADLEY.....Casper, Wyo.  
 ROBERT E. GLAZE.....Houma, La.  
 EDWARD JASINSKI.....Bellaire, Tex.  
 IBRA MILLER.....Abbeville, La.  
 FRANK J. NOBLE.....Santa Fe Springs, Calif.  
 SAM S. RUSSO.....Houma, La.  
 LOYE G. WALKER.....Odessa, Tex.  
 MARIA ELENA BROWN.....Union Oil Center  
 ROBERT J. CORSARO.....Union Oil Center  
 LAWRENCE B. FOLKS.....Casper, Wyo.  
 JOHN A. GRIMES.....Santa Paula, Calif.  
 PHIL HYATT.....Richfield, Calif.  
 RALPH G. LADD JR.....Midland, Tex.  
 CAROLE O. SWANSON.....Union Oil Center

**AUGUST 1966****30 YEARS**

LYLE CROSS.....Mt. Pleasant, Mich.  
 BURDETTE R. FOSTER.....Santa Fe Springs, Calif.  
 JOHN R. FRASER.....Union Oil Center  
 LLOYD W. STEPHENS.....Dawes, W. Va.

**25 YEARS**

GERALD F. ALLARD.....Olney, Ill.  
 JAMES J. JOHNSON.....Oklahoma City, Okla.  
 ALFRED E. PIMENTEL.....Santa Maria, Calif.

**20 YEARS**

RAYMOND H. BEAL.....Coalinga, Calif.  
 CHARLES R. COLLINS.....Union Oil Center  
 ROBERT G. DARIES.....Union Oil Center  
 CARL A. DOOLEY.....Houston, Tex.  
 DON E. EVERT.....Union Oil Center  
 ARTHUR L. JACOBS.....Bakersfield, Calif.  
 KENNETH L. McCRAW.....Midland, Tex.  
 LOYCE L. STOOBS.....Casper, Wyo.  
 NEELEY T. WRIGHT JR.....Midland, Tex.

**15 YEARS**

RAYMOND CHOATE.....Lafayette, La.  
 JOHN J. DEBENEDETTI.....Union Oil Center  
 CLIFFORD W. DUNHAM.....Anchorage, Alaska  
 NED E. GOUTIERREZ.....Abbeville, La.  
 CLARENCE G. HUTCHERSON.....Midland, Tex.  
 JAMES E. JOHNSON.....Santa Maria, Calif.  
 ANNA L. LANNIN.....Union Oil Center  
 E. R. OSBURN.....Houma, La.  
 JACK PERRY.....Houston, Tex.  
 ROBERT G. ROBERSON.....Houston, Tex.  
 WALTER C. SANDERS.....Houston, Tex.  
 JOHN J. SCHULTZ.....Casper, Wyo.  
 MABEL A. SMITH.....Houston, Tex.  
 JOHN TARRO.....Casper, Wyo.  
 GLENN E. THOMPSON.....Santa Fe Springs, Calif.  
 SELMA S. TONEY.....Santa Fe Springs, Calif.

**10 YEARS**

RICHARD A. LYON.....Anchorage, Alaska  
 ALBERT G. PLUMB.....Sansinena, Calif.  
 DARREL A. REDFERN.....Dominguez, Calif.  
 GLEN E. ROBERTS.....Torrey, Calif.  
 CARL E. WALLER.....Dominguez, Calif.

**INTERNATIONAL DIVISION****JUNE 1966****20 YEARS**

EUGENE BORAX.....Union Oil Center

**JULY 1966****15 YEARS**

WELDIN R. READ JR.....Union Oil Center

**76 REFINING & MARKETING DIVISION****JUNE 1966****40 YEARS**

CHARLES H. BOWER.....Oleum Refinery  
 FREDERICK L. CROCE.....Sacramento  
 FRANK J. DEVINE.....Oleum Refinery  
 HARRY S. SCOTT.....Colton, Calif.

**35 YEARS**

HARRY F. DOWNEY.....Oleum Refinery  
 JAMES H. GARRISON.....San Diego

**30 YEARS**

GLENN W. KEISER.....Union Oil Center  
 FRANCIS H. OTT.....Union Oil Center  
 J. T. RAABE.....Portland  
 ROBERT R. SPIRO.....Union Oil Center  
 MARSHALL V. TURF.....Cut Bank, Mont.

**25 YEARS**

GEORGE B. CREED.....Union Oil Center  
 ROBERT G. FAIRFIELD.....Oleum Refinery  
 ROSS A. HANSON JR.....Union Oil Center  
 FRANK HECKEL.....Oleum Refinery  
 VERNON W. KELLER.....Oleum Refinery  
 RICHARD W. MERTES.....Union Oil Center  
 KIYOTO MORI.....Honolulu  
 ALBERT A. NUNES.....Oleum Refinery  
 JACK O'SHAUGHNESSY.....Richmond, Calif.  
 MARY E. WILEY.....Union Oil Center

**20 YEARS**

RAYMOND W. BARNES.....Los Angeles Refinery  
 E. CURTIS CAMPBELL.....Oleum Refinery  
 RONALD L. FOSTER.....Union Oil Center  
 WOODROW W. GANTT.....Oleum Refinery  
 DONALD E. GOLDRICK.....Cut Bank, Mont.  
 M. E. HARRISON JR.....Los Angeles  
 RAYMOND HOFFMAN.....San Francisco  
 CHARLES E. HULL.....Oleum Refinery  
 CHARLIE E. LOFTON.....Oleum Refinery  
 VERNIE J. MADISON.....Edmonds, Wash.  
 NICK B. MATISEVICH.....Los Angeles Refinery  
 JAMES K. MORRIS.....Kern, Calif.  
 HERBERT C. O'BRIEN.....Oleum Refinery  
 THEODORE M. ROMSTAD.....Edmonds, Wash.  
 WALLACE H. RUETTEN.....Cut Bank, Mont.  
 EDGAR STOWE.....Union Oil Center  
 TOJIRO WATANABE.....Honolulu

**15 YEARS**

RAYMOND K. BAIRD.....Los Angeles Refinery  
 JOSEPH N. BARBIAN.....Los Angeles  
 MARION E. BRIDGES.....Los Angeles Refinery  
 FLOYD CARROLL.....Oleum Refinery  
 CLARENCE W. CONNS.....Sacramento  
 OTTO R. CRUNCLTON.....Los Angeles  
 RICHARD R. ELLIS.....Union Oil Center  
 ROBERT R. GOULD.....Oleum Refinery  
 JOSEPH HEINS JR.....Los Angeles Refinery  
 J. S. HURLBURT.....San Diego  
 L. M. MICHELOTTI.....San Francisco  
 JAMES C. OPENSHAW.....Oleum Refinery  
 JAMES PHILLIPS JR.....Oleum Refinery  
 BARBARA J. ROGERS.....Union Oil Center  
 RAYMOND T. SATO.....Honolulu  
 HAROLD J. SCHAPER.....Seattle  
 THOMAS B. SHEPHERD.....Los Angeles Refinery  
 ALFRED G. SOUZA.....Oleum Refinery  
 MANUEL G. SOUZA.....Oleum Refinery  
 LYNN W. WILSON.....Los Angeles Refinery

**10 YEARS**

JOHN L. BOARD.....Union Oil Center  
 VINCEL P. HAYES.....Los Angeles Refinery  
 ALVIN B. HESS.....Sacramento  
 HERBERT A. LYND.....Union Oil Center  
 J. W. MULLEN.....Honolulu  
 JAMES T. PEARSON.....Torrance, Calif.  
 JOHN M. PECK.....Salt Lake City  
 ERNEST G. STOMSVIK.....Cut Bank, Mont.

**JULY 1966****40 YEARS**

WILLARD L. CLARK.....San Luis Obispo, Calif.  
 JOHN M. DALESSI.....Oleum Refinery  
 WILLIAM O. PERRY.....Santa Margarita Stn., Calif.  
 NATHANIEL RICHAUD.....Oleum Refinery

**35 YEARS**

ROY F. KREPS.....Union Oil Center  
 ROY M. TALBOTT.....Union Oil Center

**30 YEARS**

MARGARET FLANIGAN.....Seattle  
 WILLIAM H. REED.....Los Angeles Refinery

**25 YEARS**

ERNEST W. ALBRIGHT.....Oleum Refinery  
 JOSEPHINE B. BAKER.....Union Oil Center  
 ELMER H. BEATTY.....Los Angeles  
 PATRICK C. BROWN.....Stewart Dist., Calif.  
 LARRY H. DENNEY.....Oleum Refinery  
 WOODROW W. FLESHMAN.....Oleum Refinery  
 VIRGINIA M. HUSE.....Seattle  
 TREVOR D. JONES.....Oleum Refinery  
 LAURENCE N. MULCAHY.....Los Angeles Refinery  
 HANS E. PASMA.....Edmonds, Wash.  
 RAYMOND SELVESTER.....Santa Maria Refinery  
 NORRIS L. WAIT.....Union Oil Center  
 JACK G. WARNECKE.....Oleum Refinery  
 OTIS E. WATSON.....Honolulu

**20 YEARS**

EVA HARRIET HALL.....Oleum Refinery  
 DONALD C. HOBERG.....Los Angeles Refinery  
 DELBERT B. HOLM.....Los Angeles Refinery  
 GUS G. JACKSON.....Cut Bank  
 LOUIS S. KNUDSEN.....Los Angeles Refinery  
 JOSEPH C. McKUSICK.....San Luis Obispo, Calif.  
 MICHAEL VERBISCIO.....Oleum Refinery  
 RUSSELL L. WITTE.....Los Angeles

**15 YEARS**

ROBERT D. AASEN.....Los Angeles Refinery  
 SIGNE E. A. ANDERSEN.....Oleum Refinery  
 WILLIAM A. ARNOLD.....Oleum Refinery  
 KENNETH R. BARTON.....Portland  
 WILLIAM J. CRAWFORD.....Los Angeles Refinery  
 LOUIS C. CHURCHILL.....Los Angeles Refinery  
 NORMAN L. DENTON.....Great Falls  
 VIRGINIA M. HARRIS.....Union Oil Center  
 HAYDEN H. JONES, JR.....Los Angeles Refinery  
 DONALD J. KRAUSE.....Union Oil Center  
 ALBERT R. LANDERS.....Los Angeles Refinery  
 ROMAINE L. MALLATT.....Oleum Refinery  
 DONALD MARSHALL.....Los Angeles Refinery  
 JAMES W. McCOY.....Los Angeles Refinery  
 ALBERT MICHELICIC.....Oleum Refinery  
 JOHN F. NICHLEY.....Oleum Refinery  
 M. O. NYSETER.....Union Oil Center  
 THOMAS D. PEREIRA.....Oleum Refinery  
 E. EUGENE SCHULTZ.....San Francisco

**10 YEARS**

DONALD M. ALLIS.....Los Angeles Refinery  
 JEANNE E. BRADY.....Union Oil Center  
 KENNETH E. BURNS.....Los Angeles Refinery  
 GEO. H. CLARK.....Los Angeles  
 DALE C. COOPER.....Union Oil Center  
 WAYNE E. HAMILTON.....Los Angeles Refinery  
 HUGH F. MONTGOMERY.....Richmond, Calif.  
 NYLA J. MUNSTERMAN.....Union Oil Center  
 MARY E. ROCKWELL.....Phoenix  
 SHARON R. RODRIQUEZ.....San Francisco  
 VERNON L. SLAYDEN.....Torrance, Calif.  
 ROBERT L. SMITH.....Union Oil Center  
 ALICE B. SORRELS.....Oleum Refinery  
 R. K. STEWART.....Union Oil Center  
 RUFUS P. VAN ZANDT.....Union Oil Center  
 HAYDEN C. WINSTON.....Los Angeles

**AUGUST 1966****40 YEARS**

MICHAEL COX.....Oleum Refinery  
 LEROY OZENBERGER.....Oleum Refinery  
 CHARLES S. PERKINS.....Union Oil Center  
 ELWYN J. SMITH.....Kern, Calif.  
 W. R. WILLIAMSON.....San Francisco  
 GLENN C. WOOD.....Santa Maria, Calif.

continued

# AWARDS

continued

## 30 YEARS

GLENN G. PARKER..... Union Oil Center  
FRANK J. SCHLEIBAUM..... Los Angeles Refinery

## 25 YEARS

DALE L. BABCOCK..... Oleum Refinery  
DONALD L. BRADLEY, Harbor..... San Gabriel, Calif.  
WILLIAM E. COX..... Oleum Refinery  
EUGENE H. IRWIN..... Los Angeles Refinery  
NATHAN J. KING..... Santa Fe Springs, Calif.  
ROSS E. WRIGHT..... Los Angeles Refinery

## 20 YEARS

KATHRYN W. ANDREWS..... San Francisco  
EARL O. CHETWOOD..... Los Angeles  
GENEVIEVE F. HOWARD..... Union Oil Center  
EDWARD J. MOLLOY JR..... Oleum Refinery  
ROBERT NEIBERGER..... Torrance, Calif.  
JAMES E. SMITH..... Santa Maria Refinery  
THOMAS M. WATANABE..... Honolulu  
RICHARD L. WEBER..... Stockton, Calif.

## 15 YEARS

JOHN E. CROFTON..... Oleum Refinery  
ROLLO C. FRITZ..... Union Oil Center  
BRYAN M. HARRAH..... Oleum Refinery  
LEONARD G. HATLEY..... Santa Maria Refinery  
RICHARD P. JENNINGS..... Oleum Refinery  
CHARLES MACHO..... Los Angeles Refinery  
HUBERT E. MOTES..... Los Angeles Refinery  
CARL NETTER..... Los Angeles Refinery  
JOSEPH E. PALMA..... Oleum Refinery  
ROBERT F. RYAN..... Great Falls

## 10 YEARS

W. E. BRANSTROM..... Union Oil Center  
DONALD C. COLE..... Los Angeles Refinery  
WM. T. CONNORS..... Los Angeles  
CARROLL J. FLANDERS..... Salt Lake City  
M. D. JACKICICH..... Union Oil Center  
JOHN F. KACZMAREK..... Los Angeles Refinery  
JAMES W. RAMSEY..... Los Angeles Refinery  
R. C. SCHERMERHORN..... Los Angeles Refinery  
HAROLD R. SMITH..... Los Angeles Refinery  
DONALD E. TERRY..... Richmond, Calif.  
HARRY D. WINTER..... Santa Fe Springs, Calif.

## PURE OIL COMPANY DIVISION

### JUNE 1966

## 40 YEARS

EVELYN R. ANDREN..... Minneapolis, Minn.  
JOSEPH GORSKI..... Detroit, Mich.  
IRVIN L. HOSTETLER..... Smiths Bluff Refinery  
THOMAS J. KERR..... Cincinnati, Ohio

## 35 YEARS

JOHN W. CONTOS..... Toledo Refinery  
KEE J. DURAND..... Van, Texas  
RICHARD E. HARRISON..... Smiths Bluff Refinery  
DALE G. MILLER..... Lemont Refinery  
WILLIAM D. MURRAY..... Birmingham, Ala.  
EDGAR A. POWELL..... Norfolk, Va.  
WILLARD R. PRIEST..... Heath Refinery  
WALTER G. SUNKLE..... Heath Refinery  
MICHAEL WINISKY..... Detroit, Mich.

## 30 YEARS

KENNETH A. BOEHME..... Palatine  
F. PAUL BRACKEN..... Lemont Refinery  
WILLIAM B. CARVER..... Palatine

PAUL J. LEISTER..... Columbus, Ohio  
FRANK P. PRESLEY..... Atlanta, Ga.  
FREDERICK M. REED..... Lemont Refinery  
JOHN P. SCHOMIG..... Lemont Refinery  
WILLIAM R. TUCKER JR..... Columbus, Ohio

## 25 YEARS

ERIC T. BORCHELT..... Smiths Bluff Refinery  
JAMES M. BRAGG..... Smiths Bluff Refinery  
EARL L. BROWN..... Smiths Bluff Refinery  
ROBERT H. CHERRY..... Smiths Bluff Refinery  
MONROE P. FINDLEY..... Smiths Bluff Refinery  
HARLAN E. FRANKS..... Heath Refinery  
RICHARD L. FRAZIER..... Indianapolis, Ind.  
WALTER J. FREEMAN..... Minneapolis, Minn.  
ADRIAN R. GLASSCOCK..... Chattanooga, Tenn.  
JACK HANCOCK..... Smiths Bluff Refinery  
CLAIRBORNE M. HANNA..... Smiths Bluff Refinery  
H. GORDON HANSON..... Palatine  
DONALD L. HICKMAN..... Lemont Refinery  
CHARLES A. INGRAM..... Smiths Bluff Refinery  
GEORGE E. KAPSAR..... Cleveland, Ohio  
CHARLES A. LUCAS..... Miami, Fla.  
CHARLES H. MASON..... Detroit, Mich.  
CHARLES O. MELLING..... Smiths Bluff Refinery  
HERMAN V. MILLER..... Smiths Bluff Refinery  
ROBERT D. MUELLER..... Palatine  
DAVID E. MURPHY..... Lemont Refinery  
RAYMOND PREMEAUX..... Smiths Bluff Refinery  
IRWIN W. RUGE..... Palatine  
JOHN J. SHASKI..... Lemont Refinery  
PAUL L. TOTTON..... Olney, Ill.  
WILLIAM B. WARREN..... Palatine  
HOMER D. WEAVER..... Cleveland, Ohio

## 20 YEARS

WILLIAM M. CHITWOOD..... Milwaukee, Wis.  
KARL R. DARNES..... Heath Refinery  
ROBERT W. DAVENPORT..... Tanker David D. Irwin  
WALTER E. MOONEY..... Palatine  
LILLIAN A. SEIDEL..... Heath Refinery  
HENRY A. SHREVE..... Charleston, W. Va.  
HENRY N. SMITH..... Pensacola, Fla.  
THOMAS E. SWANGER..... Greenville, S. C.  
ROBERT M. THOMPSON..... Heath Refinery  
JAMES H. WALLS..... Miami, Fla.

## 15 YEARS

JOHN J. BARTH..... Cincinnati, Ohio  
CLARENCE G. BOOK..... Dayton, Ohio  
OLON J. BUCHANAN..... Hattiesburg, Miss.  
ROBERT L. CLARK..... Cincinnati, Ohio  
DALE E. DETRICK..... Dayton, Ohio  
IRA M. DUNN..... Towboat C. W. Snider  
EDWARD R. ENGLISH..... Cincinnati, Ohio  
JAMES A. HESTER..... Mobile, Ala.  
PAUL V. HIGHTOWER..... Van, Texas  
JAMES L. HILL..... Richmond, Va.  
THEODORE E. HUNTLEY..... Indianapolis, Ind.  
GRANT F. LAWRENCE..... Lemont Refinery  
HERBERT A. LOOSE..... Palatine  
JOHN J. MARTIN..... Berwyn, Ill.  
CARL D. MOORE..... Denver, Colo.  
WOODROW M. POWELL..... Mobile, Ala.  
ROBERT R. SNYDER..... Newark, Ohio  
GERALD M. SOLLER..... St. Paul, Minn.  
HARRY TAYLOR..... Wilmington, N. C.

## 10 YEARS

JERRY T. CARTER..... Anniston, Ala.  
ANDREW HAMADYK JR., Amsco..... Plainfield, N. J.  
DAVID E. HOLTZ..... Norfolk, Va.  
DON M. JACOBS..... Palatine  
PAUL W. JEFFRIES..... Tallmadge, Ohio  
RAYMOND L. JUREK..... Litchfield, Minn.  
JOE R. LONGINO..... Columbus, Ohio  
JACK L. McDANIEL..... Atlanta, Ga.  
PAUL S. MEDLEY..... Cincinnati, Ohio

### JULY 1966

## 40 YEARS

EARL T. DAVIS..... Heath Refinery  
JAMES P. McMASTER..... Charleston, W. Va.  
THOMAS A. MILLER..... Palatine  
DORMAN C. RITCHEY..... Heath Refinery  
JOHN SMITH..... Steamship D. D. Irwin

## 35 YEARS

ERIC G. LINDQUIST..... St. Paul, Minn.  
HARRY W. VETTER..... Atlanta, Ga.

## 30 YEARS

HAROLD F. BELL..... Columbus, Ohio  
H. CARLETON HAVENS..... Palatine  
PAUL D. JONES..... Columbus, Ohio  
KENNETH H. McCULLOUGH..... Atlanta, Ga.  
WILLIAM H. PARLETTE..... Toledo Refinery

## 25 YEARS

JOYCE M. CHERRY..... Jacksonville, Fla.  
DORRIS D. CRAIG..... Olney, Ill.  
THOMAS J. DIXON..... Newark, Ohio  
E. CRYSTOL GRIFFIN..... Palatine  
WALKER B. HERRINGTON..... Smiths Bluff Refinery  
JOHN R. MACARTHUR..... Palatine  
WILLIAM S. McCONNOR..... Palatine  
SAMUEL M. NULL..... Newark, Ohio  
WILLIAM W. SALLIS..... Smiths Bluff Refinery  
CARROLL S. WARE..... Motor Vessel L. W. Sweet  
C. FRED YOUNG..... Mason, Mich.

## 20 YEARS

JOSEPH B. ALVAREZ..... Tampa, Fla.  
RAYMOND ANDERSON..... Cincinnati, Ohio  
MARTIN A. CORMIER..... Minneapolis, Minn.  
FRANK A. DUESING..... Toledo Refinery  
EDWIN G. DUKE..... Jacksonville, Fla.  
CHARLES J. GREEN..... Palatine  
LESLIE D. HALTIWANGER..... Florence, S.C.  
CLYDE E. KIRKLAND..... Tampa, Fla.  
JAMES W. LAW..... Jacksonville, Fla.  
WILLIAM OZANNE..... Palatine  
BYRON SINGLETON..... Atlanta, Ga.  
RANDALL G. WENTRUP..... Cleveland, Ohio  
DONALD N. WILKIN..... Heath Refinery

## 15 YEARS

FORREST E. ARMSTRONG..... Smiths Bluff Refinery  
FLOYD S. BENNETT..... Anniston, Ala.  
CHARLES G. CAMPBELL..... Belton, S.C.  
LOUISE H. CRONAN..... Atlanta, Ga.  
RICHARD D. DOLAN..... Palatine  
HERBERT R. DRESSLER..... Lemont Refinery  
CHARLES W. ENGLISH..... Cincinnati, Ohio  
WARREN R. FARNHAM..... Heath Refinery  
SHIRLEY E. HALL..... Palatine  
JOHN R. HATCHER..... Albany, Ga.  
MARY C. MARTIN..... Heath Refinery  
JACK L. McCULLOUGH..... Charleston, W. Va.  
WALLACE R. McGREW..... Palatine  
PRESTON H. MOSS..... Greensboro, N.C.  
ROBERT F. NOOTBAAR..... Palatine  
JACK W. RINDCHEN..... Tallmadge, Ohio  
DEWEY F. ROBINSON..... Pt. Everglades, Fla.  
ROBERT D. STAIR..... Heath Refinery  
CLARENCE J. WARTHEN..... Pensacola, Fla.

## 10 YEARS

JOHN L. CLARK..... Van, Tex.  
ROBERT J. HALKO..... Cleveland, Ohio  
LOYD T. KEY..... Tuscaloosa, Ala.  
GLENN E. KLINE..... Cleveland, Ohio  
ROBERT H. KOEHLER, Amsco..... Palatine  
FRANK W. LOESCHKE JR., Amsco..... Baltimore, Md.  
RICHARD E. ONNEN..... Palatine  
MARGARET A. REESE..... Miami, Fla.  
CHARLES SABO..... Cincinnati, Ohio  
MICHAEL SANTONASTASO, Amsco..... Murray Hill, N. J.  
EDWARD F. STICKNEY, Amsco..... Murray Hill, N. J.

### AUGUST 1966

## 40 YEARS

JOHN L. HARTMAN..... Palatine  
WILLIAM H. POLY..... Columbus, Ohio  
OLGA S. SATERBO..... Minneapolis

## 35 YEARS

DELBERT P. COUCH..... Birmingham, Ala.  
JAMES A. KENNEDY..... Toledo Refinery  
RALPH E. McCOY..... Cincinnati, Ohio  
RUTH B. SMITH..... Miami, Fla.

## 30 YEARS

DEAN C. GLASS..... Palatine  
PAUL T. GRAVES..... Memphis, Tenn.  
CLIFTON A. HARDEE..... Miami, Fla.  
A. S. HOYER, Amsco..... Murray Hill, N. J.  
THOMAS R. WESCOAT..... Columbus, Ohio



**25 YEARS**

JOHN W. ABEL.....Motor Vessel L. W. Sweet  
 HOMER E. ADAMS.....Newark, Ohio  
 FRANCIS D. BARLOW.....Smiths Bluff Refinery  
 DONALD E. NEFF.....Tallmadge, Ohio  
 WILLIAM B. PERRYMAN.....Smiths Bluff Refinery  
 CHANCEY C. PETRY.....Smiths Bluff Refinery  
 CASIMIR S. SIENKIEWICZ.....Detroit, Mich.  
 BERNARD T. STIMMEL.....Newark, Ohio

**20 YEARS**

WILLIS J. ALFORD.....Smiths Bluff Refinery  
 LONNIE F. BRIGGS.....Smiths Bluff Refinery  
 ROBIN W. CHAMNESS.....Charleston, W. Va.  
 FANNIE R. CHAPIN.....Palatine  
 ROBERT W. COLVILLE.....Heath Refinery  
 RAYMOND E. DUKE.....Smiths Bluff Refinery  
 VINCENT EGIDI.....Toledo Refinery  
 WARREN G. HAWKINS.....Smiths Bluff Refinery  
 JOSEPH R. HOWARD.....Toledo Refinery  
 EDGAR W. KLAUER.....Dayton, Ohio  
 CARL E. LARKIN.....Smiths Bluff Refinery  
 WILLIAM E. LEBOLD.....Heath Refinery  
 FRANKLIN J. McCLASKEY III.....Miami, Fla.  
 ALLISON C. McNAMARA.....Atlanta, Ga.  
 ARCHIE E. OLSON.....St. Paul, Minn.  
 JERRY PISANI.....Providence, R. I.  
 JOHN F. STEELE.....Smiths Bluff Refinery  
 JOSEPH J. WELCH JR.....Richmond, Va.  
 LOUIS E. WOLF.....Palatine  
 JACK J. YOUNG.....Palatine

**15 YEARS**

W. J. BURRELL.....Smiths Bluff Refinery  
 LEIGHTON W. CHRONISTER.....Paw Creek, N. C.  
 MILTON C. CRUTCHFIELD Motor Vessel C. W. Snider  
 JAMES G. CURRY.....Memphis, Tenn.  
 PAUL R. DAVIS.....Cleveland, Ohio  
 FRED DOEPEL JR.....Tallmadge, Ohio  
 PATRICK D. DRISCOLL.....Lemont Refinery  
 HUGH T. HANEY.....Smiths Bluff Refinery  
 OSCAR A. HUTCHINSON.....Tampa, Fla.  
 GAIL A. KIRWAN.....Palatine  
 JOHN MAZUR.....Lemont Refinery  
 ELWYN E. PALMER.....Miami, Fla.  
 STANLEY J. PIRC.....Lemont Refinery  
 ROBERT W. PRUNTY.....Columbia, S. C.  
 SHIRLEY H. RYAN.....Palatine  
 EUGENE E. SCHOMMER.....Detroit, Mich.  
 ARNOLD L. SMITH.....Seaford, Va.  
 JOHN J. WESOLOWSKI.....Lemont Refinery  
 BERNICE K. WETLE.....Palatine

**10 YEARS**

JAMES P. BEGGS.....Van, Tex.  
 CHARLES W. McGONIGLE.....Conshohocken, Pa.  
 JOHN E. RUSSELL.....Van, Tex.

**76 CONSIGNEES & DISTRIBUTORS****JUNE 1966****30 YEARS**

BUD CONAN.....Gig Harbor, Wash.  
 FRANK FERRETTI.....Los Banos, Calif.

**25 YEARS**

C. J. DALZELL.....Yakima, Wash.  
 KENNETH TETZ.....Ilwaco, Wash.

**20 YEARS**

GORDON S. HARDEY.....Brawley, Calif.  
 MARINE SALES & SERVICE, INC. Balboa Island, Calif.

**15 YEARS**

H. L. OWENS.....Grass Valley, Ore.

**10 YEARS**

TED HEARNE.....Springerville, Ariz.  
 A. L. OBERSON.....Albany/Corvallis, Ore.  
 R. N. OBERSON.....Albany/Corvallis, Ore.

**JULY 1966****40 YEARS**

H. F. WEDEGAERTNER.....Kingsburg, Calif.

**30 YEARS**

ALBERT LASSART.....Los Banos, Calif.

**25 YEARS**

J. L. QUALLS.....El Centro, Calif.

**20 YEARS**

C. E. STILES.....Pomeroy, Wash.

**15 YEARS**

ANGOON COMMUNITY ASSN.....Hood Bay, Alaska

**AUGUST 1966****40 YEARS**

HERMAN B. ROMER.....Sedro Woolley, Wash.  
 TOM YOUNG.....Lynden, Wash.

**30 YEARS**

T. G. COVINGTON.....Escondido, Calif.  
 GEORGE W. WHARTON.....Woodland, Calif.

**20 YEARS**

M. G. METCALF.....Oxnard, Calif.  
 WILLIAM MORGAN.....Brawley, Calif.

**10 YEARS**

PAUL G. CARROLL.....Flagstaff, Ariz.

**PURE OIL JOBBERS & DISTRIBUTORS****FEBRUARY 1966****25 YEARS**

C. STANLEY PALLETT.....Norfolk, Va.

**MAY 1966****35 YEARS**

ZIMMERMAN OIL COMPANY.....Jackson, Mich.

**JUNE 1966****25 YEARS**

J. F. WAINWRIGHT.....Seaford, Del.

**20 YEARS**

C. D. HUNT SR.....Gretna, Va.

**10 YEARS**

SHELTON D. SIMMONS.....Magee, Miss.

**JULY 1966****35 YEARS**

HERMAN OIL COMPANY.....Herman, Minn.

**25 YEARS**

JOHN J. BRAUN.....Columbus, Ohio

**20 YEARS**

PAUL GOODE.....Pineville, W. Va.

**15 YEARS**

BRUNO & QUINTO BENEVENTI.....Glencoe, Ill.

**AUGUST 1966****40 YEARS**

J. B. EMBREY.....Pell City, Ala.

**30 YEARS**

STEVE LACEY.....Johnson City, Tenn.

**20 YEARS**

CARL E. GAINER.....Cowen, W. Va.

**15 YEARS**

J. B. MANUAL.....Bonifay, Fla.

**10 YEARS**

STOKES & CONGLETON.....Stokes, N. C.

**COLLIER CARBON & CHEMICAL COMPANY****APRIL 1966****20 YEARS**

W. M. BERRYHILL.....Rodeo, Calif.  
 J. H. DAVISON.....Los Angeles

**10 YEARS**

F. H. DLOUHY.....Los Angeles

**MAY 1966****15 YEARS**

J. ROSIO JR.....Brea, Calif.

**JUNE 1966****25 YEARS**

H. E. KINSELLA.....Los Angeles

**15 YEARS**

CHARLES L. HEABERLIN,  
 Poco Graphite Inc.....Garland, Tex.

**10 YEARS**

THOMAS I. ALBRIGHT JR.,  
 Poco Graphite Inc.....Garland, Tex.  
 D. FANARO.....Rodeo, Calif.  
 WILLIAM L. MOBECK,  
 Pure Gas & Chemical Co.....Denver, Colo.  
 O. A. TRUEBLOOD.....Rodeo, Calif.

**JULY 1966****10 YEARS**

HERMAN E. DICUS  
 Poco Graphite, Inc.....Garland, Tex.

**AUGUST 1966****15 YEARS**

FLORENCE ABERCROMBIE.....Los Angeles, Calif.  
 A. H. BARNES.....Santa Maria, Calif.  
 PATRICIA LAUGHLIN.....Los Angeles, Calif.

**RETIREMENTS****MAY 1966**

FRED B. ADAMS, E&P  
 Santa Fe Springs, Calif.....March 20, 1926  
 CLAUDE R. CLARK, E&P  
 Santa Fe Springs, Calif.....February 27, 1926  
 ADOLPH C. LENZ, E&P  
 Orcutt, Calif.....August 14, 1929  
 URIAH V. McMAHON, 76 Refining  
 Oleum Refinery.....September 7, 1933  
 CHALMER L. RANSOM, 76 Refining  
 Los Angeles Refinery.....May 1, 1934  
 DONALD A. REED, 76 Marketing  
 Los Angeles Terminal.....June 3, 1929

**JUNE 1966**

WILLIAM J. BOWMAN, Pure Marketing  
 Cincinnati, Ohio.....May 24, 1948  
 LESTER F. BRENNAN, 76 Marketing  
 Cut Bank, Mont.....February 3, 1943  
 FRANK HEIGLEY, E&P  
 Mt. Pleasant, Mich.....January 11, 1934  
 MERLE J. HENDERSON, Pure Marketing  
 Bay City, Mich.....October 1, 1947  
 LESTER W. HUNT, E&P  
 Santa Fe Springs, Calif.....May 11, 1933  
 JESSE W. McEWEN, Pure Refining  
 Toledo, Ohio.....July 12, 1944  
 GLENN H. MOORE, Arapahoe Pipeline Co.  
 Ellinwood, Kansas.....December 18, 1932  
 HARKACE E. PRYOR, Pure Marketing  
 Newark, Ohio.....April 4, 1927  
 EARL K. SAWDY, E&P  
 Midland, Texas.....September 1, 1934  
 CHARLES STEWART, Pure Refining  
 Nederland, Texas.....June 29, 1928  
 WORTH F. STURDEVANT, Pure Gas & Chemical  
 Denver, Colo.....July 27, 1951

**JULY 1966**

SAMUEL C. DELEESE, Pure Marketing  
 Cleveland, Ohio.....June 19, 1933  
 LEONARD L. MEENAN, Pure Oil Staff  
 Palatine, Ill.....May 9, 1922  
 RAYMOND A. MILLER, E&P  
 Houston, Tex.....January 2, 1936  
 LOUIS H. OLIPHANT, Pure Refining  
 Nederland, Tex.....March 24, 1924  
 MICHAEL F. SULLIVAN, Pure Marketing  
 Columbus, Ohio.....March 13, 1917

continued

**JULY 1966**

CLARENCE W. BASTEN, 76 Refining  
Rodeo, Calif. .... April 14, 1939  
JOHN W. CARLSON, 76 Marketing  
Portland, Ore. .... January 4, 1928  
FRANK D. CHAPMAN, 76 Marketing  
Phoenix, Ariz. .... February 10, 1944  
EARL E. CLARK, E&P  
Brea, Calif. .... March 24, 1926  
HERBERT O. CRAWFORD, Corporate Staff  
Union Oil Center ..... July 7, 1925  
ROBERT C. DIEHL, 76 Marketing  
Union Oil Center ..... September 11, 1928  
WILLIAM MCGOOKIN, Corporate Staff  
Union Oil Center ..... November 4, 1926  
HAROLD R. MARTINSON, 76 Refining  
Santa Maria, Calif. .... June 10, 1934  
LORINE M. MICHELOTTI, 76 Marketing  
San Francisco, Calif. .... June 6, 1951  
JOHN W. NORTON, 76 Refining  
Union Oil Center ..... September 16, 1934  
OTHIR R. RUSSELL, 76 Refining  
Rodeo, Calif. .... April 8, 1929  
GERRAL W. WAINSCOTT, E&P  
Orcutt, Calif. .... August 14, 1939  
GRACE L. WISHERD, E&P  
Bakersfield, Calif. .... March 15, 1950  
NORMAN A. WOOD, Corporate Staff  
Brea, Calif. .... February 5, 1926

**AUGUST 1966**

PETER P. ARTIS, Pure Refining  
Lemont, Ill. .... June 7, 1938  
DONALD P. WIGMAN, Pure Oil Staff  
Palatine, Ill. .... May 20, 1935

**IN MEMORIAM**

**Employees**

JAMES D. BAILEY, Pure Refining  
Nederland, Tex. .... March 28, 1966  
MARVIN P. BOND, Pure Refining  
Nederland, Tex. .... March 18, 1966  
SARA M. CORKERY, Pure Oil Staff  
Villa Park, Ill. .... April 6, 1966  
CAESAR COSTA, 76 Refining  
Oleum Refinery ..... March 5, 1966  
WALTER A. FORREST, Research Center  
Crystal Lake, Ill. .... March 21, 1966  
KENNETH P. GILSON, Pure Refining  
Lockport, Ill. .... March 26, 1966  
SUZANNE R. PROEBER, Pure Oil Staff  
Palatine, Ill. .... December 3, 1965  
RUSSELL O. YOUMANS, Collier Carbon & Chemical  
Brea, Calif. .... March 14, 1966  
CHARLES D. BRANDON, Pure Marketing  
Petal, Miss. .... April 26, 1966  
EARL D. BURNETT, Pure Marketing  
Ferndale, Mich. .... April 18, 1966  
GEORGE L. CHORBA, Pure Refining  
Toledo, Ohio ..... April 9, 1966  
PAUL D. KILDAY, 76 Marketing  
Phoenix, Ariz. .... April 4, 1966  
HAROLD M. MIDDLETON, 76 Marketing  
Portland, Ore. .... April 16, 1966  
LEIGHTON E. SIGERSON, 76 Refining  
Oleum Refinery ..... April 3, 1966  
MARGUERITE C. THATCHER, Corporate Staff  
Union Oil Center ..... April 24, 1966  
HANS W. THIEME, Pure Gas & Chemical  
Jackson, Wyo. .... May 6, 1966  
JOSE G. VIGIL, Pure Gas & Chemical  
Alamosa, Colo. .... April 10, 1966  
R. R. COCHRAN, Pure Refining  
Utica, Ohio ..... May 19, 1966  
ALFRED L. MARIS, 76 Refining  
Wilmington, Calif. .... May 8, 1966  
D. R. REED, Pure Refining  
Oregon, Ohio ..... May 31, 1966  
J. C. RIPPON, Pure Refining  
Lockport, Ill. .... May 27, 1966  
FRED J. WHITE, Pure Refining  
Joliet, Ill. .... May 11, 1966  
C. W. ADAMS, E&P  
Nowata, Okla. .... June 13, 1966  
TERRY W. CULVER, 76 Marketing  
Ontario, Calif. .... June 25, 1966  
PHILIP N. FAWCETT, 76 Refining  
Los Angeles Refinery ..... July 2, 1966

C. W. GORE, Pure Refining  
Nederland, Tex. .... June 11, 1966  
HARVEY A. HAMILTON, Pure Refining  
Beaumont, Tex. .... July 15, 1966  
JAMES D. HARRISON, Pure Refining  
Granville, Ohio ..... July 14, 1966  
SARAH HILLHOUSE, E&P  
Midland, Tex. .... July 4, 1966  
MICHAEL F. HUGHES, 76 Refining  
Oleum Refinery ..... July 12, 1966  
S. C. JOHNSON, Pure Terminals  
Savannah, Ga. .... June 12, 1966  
C. O. LUNDBOLM, Pure Marketing  
Miami, Fla. .... June 11, 1966  
R. G. MacDERMOTT, Pure Oil Staff  
Palatine, Ill. .... June 26, 1966  
DALE H. OSBORNE, E&P  
Santa Paula, Calif. .... June 12, 1966  
C. C. PEARSON, Pure Marketing  
Grand Forks, N.D. .... June 26, 1966  
L. S. TUCK, Pure Marketing  
Atlanta, Ga. .... June 17, 1966

**Retirees**

GERALD P. ANTHONY, 76 Marketing  
San Francisco, Calif. .... March 16, 1966  
MAURICE ARMSTRONG, Pure Marketing  
Byesville, Ohio ..... March 19, 1966  
MATHEW R. BARR, Pure Oil Staff  
Columbus, Ohio ..... April 12, 1966  
GEORGE CHATEL, 76 Refining  
Los Angeles ..... March 7, 1966  
JOHN J. FARMER, Pure Marketing  
Atlanta, Ga. .... March 18, 1966  
THOMAS W. JONES, Pure Marketing  
Birmingham, Ala. .... March 18, 1966  
JESSE G. MARSHALL, 76 Refining  
Los Angeles ..... March 20, 1966  
WILLIAM MARTIN, Pure Marketing  
Indianapolis, Ind. .... March 13, 1966  
FRED M. PENTER, E&P  
Orcutt, Calif. .... March 16, 1966  
LAWRENCE J. RAMUS, E&P  
Santa Fe Springs, Calif. .... March 31, 1966  
BERT E. RICO JR., E&P  
Santa Fe Springs, Calif. .... March 7, 1966  
WILLIAM SIMS, 76 Refining  
Rodeo, Calif. .... March 12, 1966  
JAMES W. WALKER, Pure Refining  
East Bank, Va. .... March 20, 1966  
RONDA I. WILAND, Pure Marketing  
Toledo, Ohio ..... March 12, 1966  
RALPH C. COE, Detroit Southern Pipeline  
Toledo, Ohio ..... April 30, 1966  
ALVIN HEBERT, E&P  
Lake Charles, La. .... April 12, 1966  
GEORGE C. HIBBS, E&P  
Newton, W. Va. .... March 30, 1966  
LLOYD J. LITTLEJOHN, Pure Marketing  
Birmingham, Ala. .... May 1, 1966  
WILLIAM G. MCKAY, Seaboard Oil Co.  
Jacksonville, Fla. .... April 15, 1966  
PHILLIP W. MULLER, Pure Marine  
Ocean View, N.J. .... March 21, 1966  
BERT NORMAN, E&P  
Sapulpa, Okla. .... April 27, 1966  
ROY W. PIERCE, E&P  
Orcutt, Calif. .... April 15, 1966  
HOMER T. PRIEST, Pure Refining  
Newark, Ohio ..... April 21, 1966  
JOE W. RAWDON, E&P, Pure Transportation  
Stroud, Okla. .... February 24, 1966  
ERNEST O. RETHERFORD, 76 Marketing  
San Francisco, Calif. .... April 7, 1966  
ALVIN G. ASH, E&P  
Sapulpa, Okla. .... May 10, 1966  
LEE W. HIGGINS, E&P  
Santa Fe Springs, Calif. .... May 28, 1966  
WALTER G. KEPNER, Pure Marketing  
Lima, Ohio ..... April 28, 1966  
NED KNIGHT, E&P  
Seminole, Okla. .... May 9, 1966  
JOHN A. LUNDIN, 76 Refining  
Cut Bank, Mont. .... May 6, 1966  
HARRY W. MARTIN, E&P  
Bakersfield, Calif. .... May 30, 1966  
WILLIAM J. MEATHERINGHAM, E&P  
Santa Fe Springs, Calif. .... May 6, 1966  
CLARENCE W. PECK, E&P  
Santa Fe Springs, Calif. .... May 31, 1966

E. B. PIERCE, Pure Refining  
Port Clinton, Ohio ..... May 29, 1966  
PAULINE SMALL, Corporate Staff  
Union Oil Center ..... March 7, 1966  
FESTUS A. WATSON, E&P  
Oilton, Okla. .... May 10, 1966  
CHARLES S. AMBROSIER, 76 Refining  
Rodeo, Calif. .... June 13, 1966  
G. K. BARNEY, Pure Transportation  
Chatham, Ill. .... June 5, 1966  
R. C. BROWN, Pure Refining  
Newark, Ohio ..... June 13, 1966  
THOMAS B. CARSON, Pure Marketing  
Bay City, Mich. .... June 17, 1966  
WILLIAM A. CLARK, E&P  
Bakersfield, Calif. .... July 16, 1966  
JAMES E. DAY, 76 Refining  
Los Angeles, Calif. .... June 13, 1966  
A. DOIROIN, Pure Refining  
Beaumont, Tex. .... June 13, 1966  
DONALD L. DYAR, Pure Marketing  
N. Canton, Ohio ..... July 3, 1966  
WALTER A. ENGELKE, E&P  
Santa Fe Springs, Calif. .... June 25, 1966  
A. R. FANNING, E&P  
Healton, Okla. .... June 13, 1966  
J. M. HARPER, E&P  
Madill, Okla. .... June 24, 1966  
GILBERT O. HURRY, Pure Marketing  
Saginaw, Mich. .... June 15, 1966  
WILLIAM JOHNSON, Pure Refining  
Beaumont, Tex. .... June 24, 1966  
WILLIAM J. KOEN, Pure Terminals  
Mobile, Ala. .... May 17, 1966  
BARNEY B. MCGINLEY, E&P  
Santa Fe Springs, Calif. .... June 28, 1966  
LEE E. PICKENS, 76 Refining  
Los Angeles, Calif. .... June 14, 1966  
WALTER A. PUREFURST, Pure Refining  
Lemont, Ill. .... July 12, 1966  
JONAH J. QUICK, E&P  
Orcutt, Calif. .... July 17, 1966  
B. E. RICHARDSON, E&P  
Minden, La. .... June 1, 1966  
CHARLES T. SHARPE, 76 Refining  
Los Angeles, Calif. .... June 3, 1966  
W. B. STROUP, Pure Oil Staff  
Palatine, Ill. .... June 27, 1966



**WILLIAM A. (TONY) NEWHOFF**, retired Union Oil vice president and manager of marketing for the former Central Territory, died January 16, 1966, at the age of 72. He started with Union Oil in July of 1920 as a bookkeeper for the San Francisco sales department. Upon retirement in 1950, he was retained as a marketing consultant and later entered business again as an executive vice president for a San Francisco brewing company. He is survived by his wife, Evelyn, son, William A. Newhoff Jr., and daughter, Mrs. William Patterson. The picture above was taken while he was with Union Oil. (76)

# TURNING BACK *The* PAGES



David D. Flowers  
Pure Oil Company



David L. Flowers  
Pure Oil Company



David B. Flowers  
Union Oil Company



**T**HERE ARE THREE generations of oil men who, through the merger of Union Oil and Pure Oil, have become Union Oilers. David D. Flowers of Aitkin, Minnesota, started handling Pure Oil products back in 1921. He owned a marketing station with five 20,000 gallon storage tanks for refined products. A hand-operated pump in front of the plant serviced retail accounts.

To service his 80 wholesale accounts, Flowers phoned his orders to Tulsa, Oklahoma. Shipments arrived several days later by railroad tank car. Most of his customers — grocery stores, garages, farms — had their own 550-gallon storage tanks equipped with hand pumps.

Deliveries were made by two White trucks. These four cylinder, four-speed transmission vehicles were often aug-

mented by trailers holding three drums and additional barrels strapped to the side of the truck on the running boards.

In 1923, the son, David L. Flowers, joined with the father in operating the marketing station. In 1931, the Flowers sold their equipment to Pure Oil Company and remained for another 10 years operating the plant as company employees. In 1941, they moved to Portland, Oregon.

Today, David B. Flowers, the grandson, is a retail salesman for Union Oil Company in Portland. The youngest Flowers started in 1959 as a service station trainee, later drove a tank truck, and now is training to be a sales supervisor. As a result of the merger of Union Oil and Pure Oil last year, grandson David B. Flowers can now say he works for the same company that his father and grandfather did.

UNION OIL COMPANY OF CALIFORNIA  
P.O. Box 7600  
Los Angeles, California 90054

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U.S. POSTAGE  
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Los Angeles, Calif.  
Permit No. 62

Harry M. Schafer  
765-C Calle Aragon  
Laguna Hills, Calif. 92653

P

## UNION ON THE GO

ALASKA, largest state in the Union, has been chosen by our petrochemical affiliate, Collier Carbon and Chemical Corporation, as the site for two of the

world's largest chemical plants. One of them, a 530,000-ton-a-year ammonia plant, will be the biggest of its kind on the Pacific Coast. The other, a 350,000-ton-a-year prilled urea plant, will be a joint venture with the Japan Gas Chemical Company. The \$50 million facility will occupy a 100-acre site in the Nikiski area on the Kenai peninsula, about 75 miles southwest of Anchorage. Construction began this summer, with completion scheduled for 1968. Both chemical

plants will utilize natural gas from Union Oil Company's Kenai gas field near the Cook Inlet. Ammonia and fertilizer produced by these plants will be sold to industrial-chemical and agricultural markets in North America and throughout the Pacific Basin. Ammonia production from Collier's Alaska plant, when combined with output from the company's new 750-ton-a-day plant at Brea, California, will make Collier the largest ammonia producer in the Western United States.

