SHELL NEWS

NOVEMBER 1955

SEISMIC SPAGHETTI

Armed with sprayers filled with dieldrin insecticide, three members of a malaria control team in Indonesia set out for another skirmish in the war against malaria-spreading mosquitoes.

Fighting Malaria

Dieldrin Insecticides Are Helping Eliminate the "Scourge of Mankind" and Bring New Hope to Many Tropical Countries

Eggs and hatched mosquito larvae in ponds and stagnant waters are targets of one phase of the malaria control program.

The malaria areas of the world are shown in white on this map, revealing that no continent is immune to the "scourge of mankind" which affects 300,000,000 annually.

MALARIA for centuries has scourged more than a third of the earth's land area. Even today, this dreaded parasitic disease, borne by certain species of mosquitoes, is responsible for more poverty, sickness and death than any other disease. In fact, malaria is a contributing and, in some cases, the major reason for the backward economic condition of many tropical countries where the bulk of the populations are subject to more or less permanent ill health because of it.

The incidence of malaria is highest in rural areas, often with the devastating effect that food production lags in the very countries where nutritional standards are already extremely low. But the people of urban communities also are prey to the disease, with the result that an estimated 300 million farm and city dwellers alike are infected by malaria each year. Of this number three million die.

There are strong indications, however, that this fearful annual toll can be greatly reduced. Progress has been made along this line in recent years, largely through the cooperative efforts

Head of a Tunisian team directs workers spraying a marshy mosquito breeding area with dieldrin insecticide. The interested spectators are local farmers, who will benefit through better health.

SHELL NEWS

VOL. 23—No. 11 NOVEMBER, 1955

Dedicated to the principle that the interests of employees and employer are mutual and inseparable

Employee Communications Department
New York, N. Y.

contents

Published by Shell Oil Company (H. S. M. Burns, President; A. G. Schei, Treasurer; J. A. Horner, Secretary) for its employees and those of Shell Chemical Corporation, Shell Development Company and Shell Pipe Line Corporation. Address communications to Employee Communications Department, Shell Oil Company, 50 W. 50th St., New York 20, N. Y.

SEISMIC SPAGHETTI

Part of the job of searching for new oil reserves is the task of keeping the tools of the search in good condition. This month's front cover, for example, shows Maintenance Man O. R. Boysen as he checks hundreds of yards of seismic cable being used by Shell in the exploration of Louisiana swamplands. Boysen is a member of Seismic Party No. 18 in the New Orleans Exploration and Production Area.

A "sign of the times" marks a current malaria control project in the Philippines. Many varieties of mosquitoes inhabit all parts of the world. But fortunately, only a few varieties carry the malaria parasite.

of the United Nations' World Health Organization (WHO) and United Nations International Children's Emergency Fund (UNICEF); the International Cooperation Administration (ICA) of the United States, in conjunction with the Division of International Health (DIH) of the U. S. Public Health Service, and by the work of public health authorities in individual countries. Large scale manufacture of insecticides like DDT and BHC (benzene hexachloride), and more recently Shell Chemical Corporation's dieldrin, has made this progress possible. With these lethal pest killers as weapons, man is now able to strike back with considerable success at the mosquitoes which carry the parasitic malaria germ from man to man.

At the end of World War II, the agencies mentioned previously, with the cooperation of malarial program directors in many countries, launched a frontal attack on malaria-bearing mosquitoes. Instead of using the old, and only partially successful method of killing mosquito larvae in the ponds and stagnant waters where they breed, teams in the field adopted a widespread residual spray program, thus carrying the fight directly to the adult mosquitoes in the places where they are most likely to come in contact with humans. All dwellings in project areas were sprayed one or more times a year and countless millions of mosquitoes were killed.

BY 1955, the success of the various malaria programs throughout the world had far exceeded expectations. In India, for example, villages once abandoned because of the persistent threat of malaria were being reoccupied and the surrounding fields were once more being tilled. Only four months after the first spraying of 335 Burmese villages—where almost all of the 55,000 population suffered from malaria—the disease was reported disappearing. The same was true in Greece, where there were more than two million cases of malaria in 1942. In Italy, where the incidence of the disease was formerly high, not a single death from malaria has been reported since 1948.

Encouraged by early successes, additional malarial campaigns are currently being conducted in many countries of the world. WHO and ICA, in conjunction with public health services of the countries affected, are carrying out even broader spraying programs and are adding some new techniques to the war on mosquitoes as more experience is gained.

A major weapon in the current campaign is dieldrin, which only became available in commercial quantities in the latter part of 1950. The use of dieldrin has proved advantageous from two standpoints. The low dosage of dieldrin required greatly reduces the total amount of insecticide which must be shipped and then carried to remote sections of the malarious area. Secondly, dieldrin controls several pests other than the mosquito which have not been satisfactorily controlled previously. As a result, dieldrin insecticides are being used more and more in anti-malarial programs throughout the world. During the first eight months of 1955, large quantities of this insecticide

were exported from the United States for use in malaria programs.

Dieldrin sprays are now being used in malarial projects in North, East and West Africa, Indonesia and in the Philippines. Other countries also include Indochina, Thailand, Pakistan, India, Nepal and Iran. The Ceylonese government is so impressed with the effectiveness of dieldrin that it is being used against mosquitoes throughout the island to control malaria and to help eliminate filariasis (a symptom of which is elephantiasis). India and Thailand also have plans to use dieldrin to control filariasis. The Malaria Division of the Venezuelan Ministry of Health and Social Welfare has also reported successes through the use of dieldrin in spraying programs aimed at control of mosquitoes and tristomido. The latter are carriers of Chagas disease (South American sleeping sickness). More than 300,000 Venezuelan dwellings were sprayed with dieldrin insecticides in 1954, and the program will be extended to cover 530,000 homes this year.

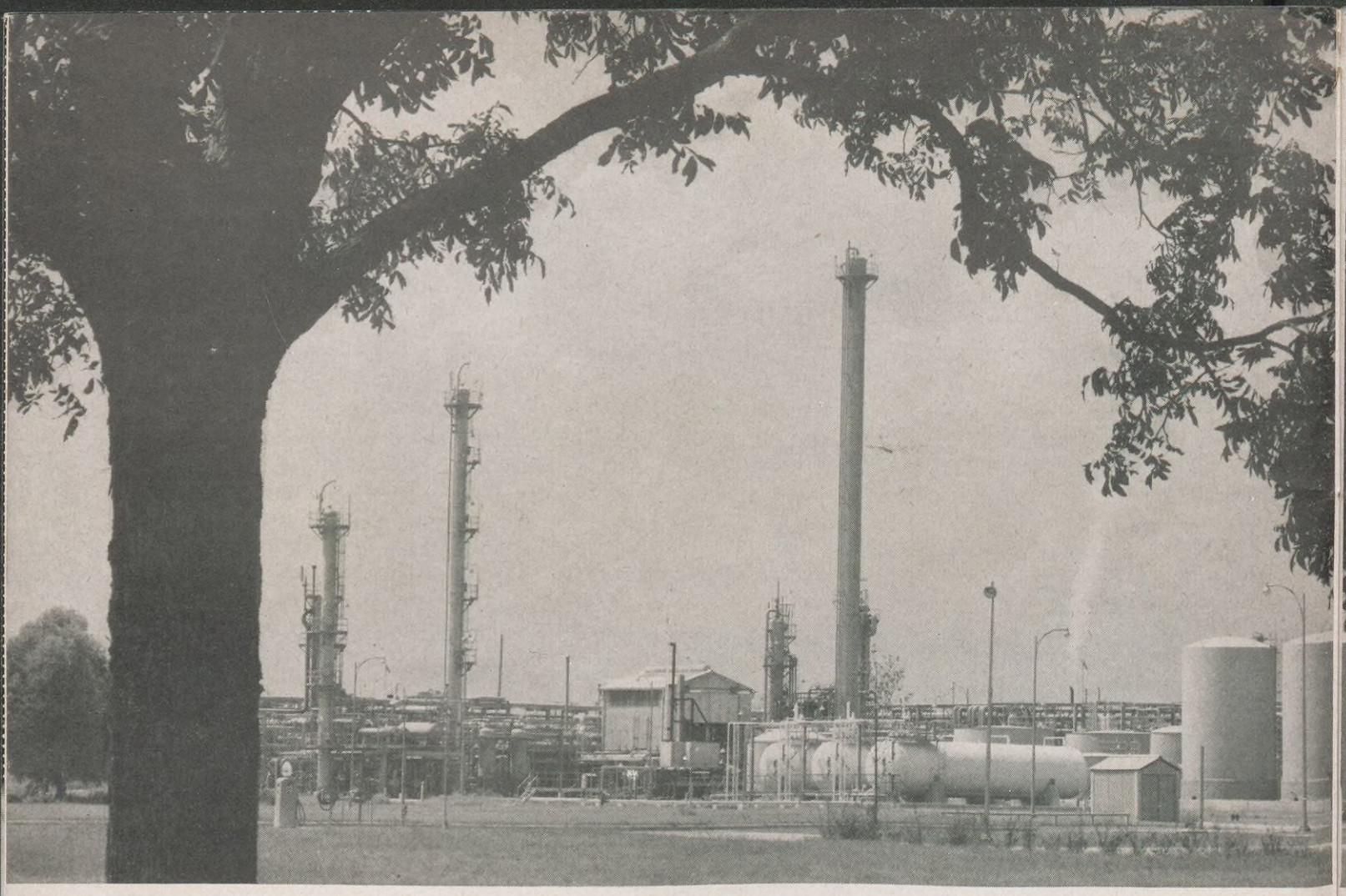
ALTHOUGH spraying has largely replaced the old technique of spreading oil over the water—or putting insecticides in the water—where mosquito larvae breed, the use of "larviciding" techniques still plays a minor role in the world-wide malaria control campaign. Killing mosquito larvae in their breeding places is often effective in urban areas where only a few pools of stagnant water can be the source of malaria carriers attacking many thousands of people.

Dieldrin mixed with oil spread on ponds has been effective in reducing the incidence of malaria; and a relatively new technique of larviciding is the use of dieldrin granules dropped into the water from the air or by the use of ground equipment. The granules get best results in areas where dense vegetation overhangs the mosquito breeding waters—as in swamps, jungles and rice paddies. Dust and liquid insecticides, when dropped from the air, cling to the vegetation and only portions of them reach the breeding waters. On the other hand, almost total penetration of the leaves and grasses can be obtained with granules. Malaria control teams in Algiers have reported highly satisfactory results after using dieldrin granules in that country.

A WHO official in the Philippines points out target areas where dieldrin spraying is being conducted. Only the female of certain mosquito species actually "bites" humans and thus bears the parasitic malaria disease from man to man.

In keeping with the WHO credo that "the enjoyment of the highest attainable standard of health is one of the fundamental rights of every human being," the malaria control campaign is ridding many areas of the persistent bonds of ill health. The campaign, particularly the insecticide spraying programs, is not only helping to eliminate malaria, the "scourge of mankind," but is achieving subsidiary benefits in the reduction of other insect-borne diseases, notably filariasis, yellow fever, dysentery and typhus. Too, life in the tropics is becoming more pleasant and productive through the elimination of many "nuisance" insects.

Even animals are enjoying the benefits of the fight against malaria. The insecticides used also kill animal parasites, thus increasing milk and meat production — an important extra dividend in a world where every second the birth rate provides one new mouth to feed.



dedication week at norco

An Impressive Round of Activities Officially Opened Shell Chemical Corporation's Newest Plant

Shell Chemical Corporation President R. C. McCurdy was among speakers at the plant's dedication on October 7. Vice President C. W. Humphreys and Louisiana's Governor Robert F. Kennon also were speakers at the ceremony.

A GRACIOUS and delightful custom in many parts of the country is the friendly, informal get-together by which neighbors welcome a newcomer in their midst. Such was the atmosphere that prevailed last month at the dedication of Shell Chemical Corporation's new chemical plant at Norco, Louisiana, close by Shell Oil Company's Norco Refinery, about 20 miles up the Mississippi River from New Orleans.

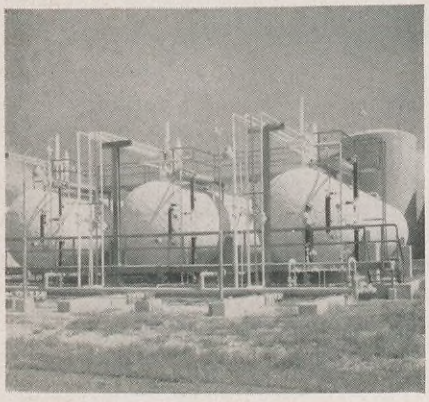
Although Shell Oil has been active in Louisiana for many years—with exploration, production, refining and marketing operations—Shell Chemical is a newcomer there. Several thousand people, including Governor Robert F. Kennon of Louisiana, Mayor deLesseps S. Morrison of New Orleans, Congressman Hale Boggs and a host of Shell Oil people and others, warmly welcomed Shell Chemical's arrival at dedication activities during the first week of October.

The first event was an open house

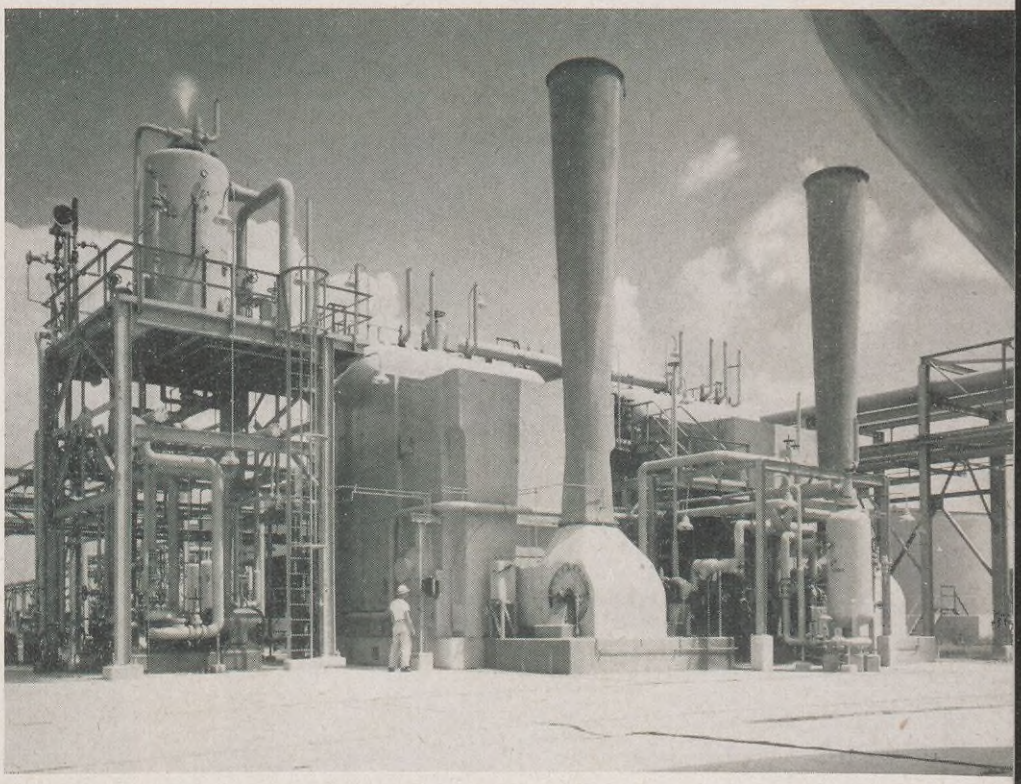
Shown framed by a pecan tree, the Norco Chemical Plant is on the site of a former plantation. Frank E. Caddy, inset, is Plant Manager.

Technical Assistant John Marks describes the operation of the chlorohydrins unit to a group who attended the open house at the plant.

Liquid chlorine, a raw material used in the plant's manufacturing processes, is stored under pressure in these cylindrical, insulated tanks. It is barged from Lake Charles, Louisiana.

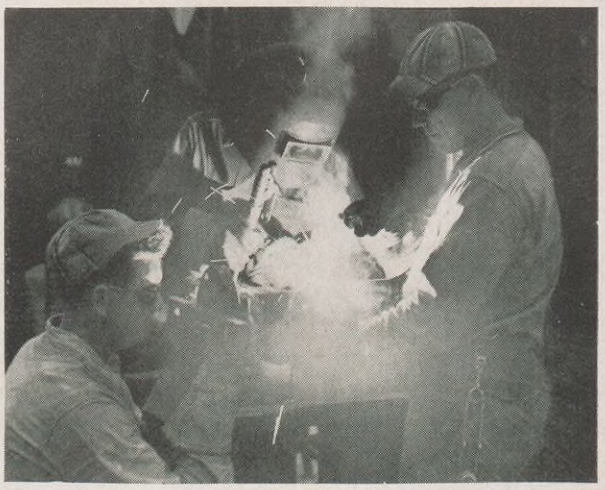


These boilers produce high pressure steam for the plant's numerous processes. The apparatus on the platform at left is a de-aerator which removes all air from water fed to the boilers.

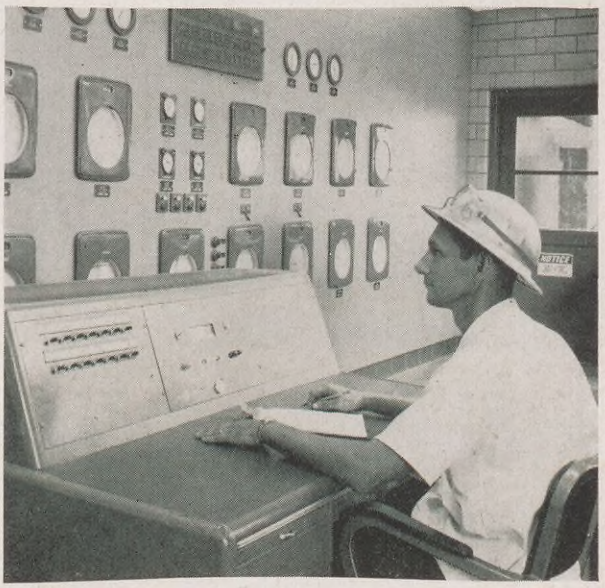


Dedication Week at Norco (cont'd)

Chief Chemist J. L. Campbell, Chief Technologist J. F. Roorda, and Treasury Manager R. E. Jackson confer on plans for the plant's future expansion.



The welders (upper right) A. J. Gassen, C. R. Simon, and W. P. Babin are among the skilled craftsmen who maintain the new chemical plant.



From this air-conditioned room, Operator M. J. Growl controls the temperatures, pressures and product flows in the chlorohydrins unit. Propylene, the feed stock for the unit, is a product of the new catalytic cracker at Shell Oil Company's Norco Refinery and is moved by pipe line to the chemical plant.

From left, Engineers C. J. Laiche and R. W. Foreaker and Technologist J. G. Moffett discuss one of several design problems at the drawing board.

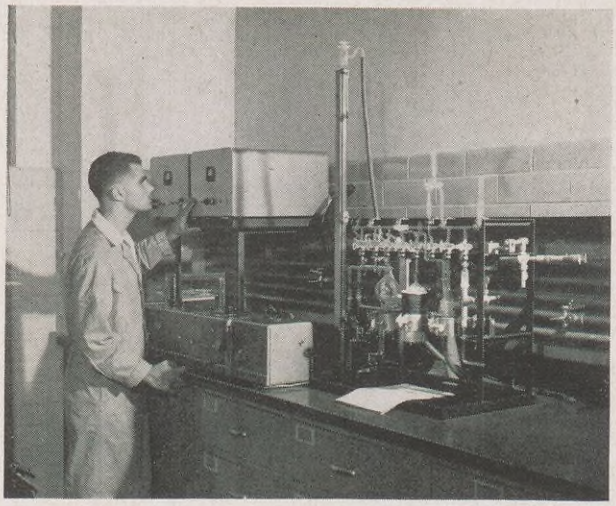
on October 1 for the families of Shell Chemical employees who work at the plant and other Shell people from the Norco Refinery, the New Orleans Exploration and Production Area and the New Orleans Marketing Division, including Shell pensioners. About 2,000 people attended the open house. Volunteer employee-guides escorted them to points around the plant and explained operations of various units.

The formal dedication ceremony took place on October 7. Activities that day included a luncheon at the plant for plant employees and various state and local government officials at which Governor Kennon was the principal speaker. A dinner was held that night in New Orleans for civic leaders of that city and neighboring communities. During the dinner, Shell Chemical Corporation President R. C. McCurdy was made an honorary citizen of New Orleans.

Even as dedication activities took place, the Norco Chemical Plant was operating at capacity, turning out allyl chloride and chlorohydrins—two important intermediate chemicals that go into the manufacture of a variety of industrial chemicals and products. One of the major products manufactured from these chemicals is synthetic glycerine—which is important, in turn, in the manufacture of such diverse products as paints, cellophane, cigarettes, explosives and cosmetics. These chemicals are also used in the manufacture of EPON® Resins, which are finding increasingly wider applications in the surface coatings and structural resins fields.

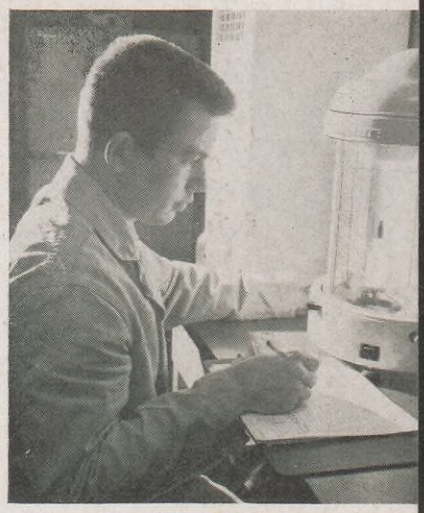
In addition, the plant produces D-D®, Shell Chemical's soil fumigant that effectively combats some parasites which damage crops.

The Norco Chemical Plant will be expanded over the next few years, with a hydrogen peroxide unit to be added next. To follow is a unit to manufacture acrolein and, then, a third unit that will combine hydrogen peroxide and acrolein into glycerine.



Chemist T. J. Arceneaux uses ▲ an infrared spectrophotometer to analyze a sample of product. All products are carefully tested.

These two men are among several employees already working on plans for scheduled additions ▼ to the Norco Chemical Plant.



Chemist R. B. North (upper right) uses an automatic single pan balance to insure extreme accuracy in weighing samples for testing.

Stenographer Belle Barrios is one of many women employees working in the Norco Chemical Plant's modern office building. ▶

LADIES' DAY at

Shell Oilwomen Take Time Out From a Desk and Derrick Convention in New York

At the reception, Lois Robinson (Atlanta) ▲ meets Dorothy Hoth (New York) for first time.

WHILE it's doubtful they'll ever run a drilling rig, operate refinery controls or attend a pipe line pump station, countless oilwomen are responsible for a good many of the intermediary details from the time oil is found until it is shipped and marketed. About 9,000 of them belong to the Association of Desk and Derrick Clubs of North America. For three days recently, 900 of them from many parts of the United States and Canada gathered in New York City for the Association's fourth annual convention. Among their varied activities, they heard talks by prominent oil men, attended a fashion show, awarded prizes for outstanding activity last year, and elected, among other officers, Miss Zetta Belle Housley, of Shell Chemical Corporation's Dominguez Plant, to the post of Re-

Violet Bruner (Indpls.) & Fran Costa (N. Y.)

Gloria Dugal, Hazel Hale, Diane Short & Claire Dubuc (Montr.) with F. S. Clulow, Vice Pres., Shell Oil

M. E. Spaght, Executive Vice President of Shell Oil Company, chats with, from left, Doris Weber, Bessie Goertz, Carroll Richards and ▼ Virginia Newfield (all of New Orleans).

Willie Mae Stafford (Wichita Falls, Texas) gets a ▲ word about Oklahoma from Dortha McCall (Tulsa).

Head Office

to Meet Some Company Executives

gional Director for the coming year.

The 70 Shell oilwomen attending—from such distant points as Houston, Long Beach, New Orleans, Washington, Indianapolis, Calgary, Tulsa, Atlanta and Montreal—took time out from convention routine for a reception at Head Office. The pictures on these pages were taken as they got acquainted with Shell executives and each other.

Gwen Chandler, Mary Lore, Whitely Graham (all Calgary) meet W. E. Noble, Personnel Manager of Shell Oil Company, and explain what happens to bronc riders in the Calgary Stampede rodeo.

Jeanette King & Rita Packard (N. Y.)

Mary Sandoval & Zetta Belle Housley (Wilm.)

Jean Walker & Rosalle Johnson (N. Y.)

Left to right: Miss Housley, Ethel LaFont (Houston), Anne McHale (New York), Virginia Lowrey (Houston), R. C. McCurdy, President of Shell Chemical Corporation, Clara Jones (New York) enjoy themselves.

Men, Machines and Maintenance

MAN not only has failed to invent a perpetual motion machine, he has yet to devise a machine that won't wear out. He has come mighty near it, but no machine is absolutely immune to the eternal ravages of friction, corrosion, pressure, heat, cold, and occasionally just plain mishandling.

In the high speed, high heat, high pressure business of refining oil, for example, the effects of these ravages can be acute. The failure of a small pipe, a leak in a single valve, can disrupt the operation of millions of dollars worth of equipment. And a refinery depends on thousands of pipes and valves, hundreds of pumps, and a multitude of engines, compressors, blowers, fans, turbines, and related equipment.

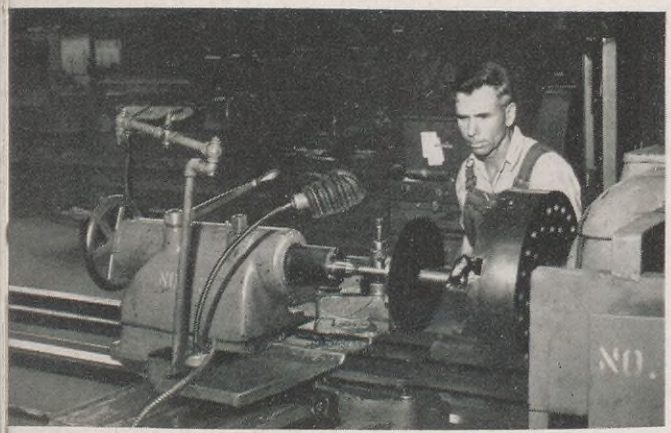
How, then, does a huge refinery operate so efficiently — say one like Shell's Houston Refinery? For one thing, the equipment is good. But a big reason is the skilled craftsmen who keep the refinery's machinery and equipment in working condition. An example would be the 101 men in the Machinist Craft. Houston's 74 Machinists and 27 Helpers can muster a combined experience totalling hundreds of years to meet the daily challenge of high speed refinery maintenance.

If a machine breaks down, they fix it. If a part wears out, they replace it. But they usually don't wait for such things to happen. A majority of their time is spent in *preventive* maintenance — which means they replace or repair worn equipment before the machines break down.

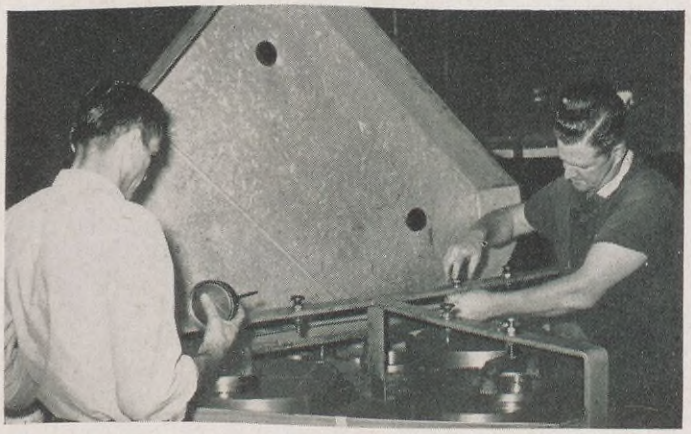
In addition to being able to operate numerous hand and power tools, the Machinists can solve mechanical problems and work with geometrical figures in layout and lathe work. They are so skilled in the shaping and smoothing of metal parts that they can work to specifications of as little as one ten-thousandth of an inch.

Machinists in various zones of the refinery are able to handle a considerable amount of routine maintenance on the spot, such as repairing compressors or reconditioning turbines. Most of the precision maintenance, however, and the fashioning of special tools for use in the refinery, is done in the machine shop of the Central Shops Building. The machine shop's 40 major pieces of equipment include lathes, milling machines, electronic balancing equipment, presses, drilling and boring machines, welding machines and other precision devices. Here, under skilled hands, hard metal becomes as yielding as stone and wood in the hands of an experienced sculptor.

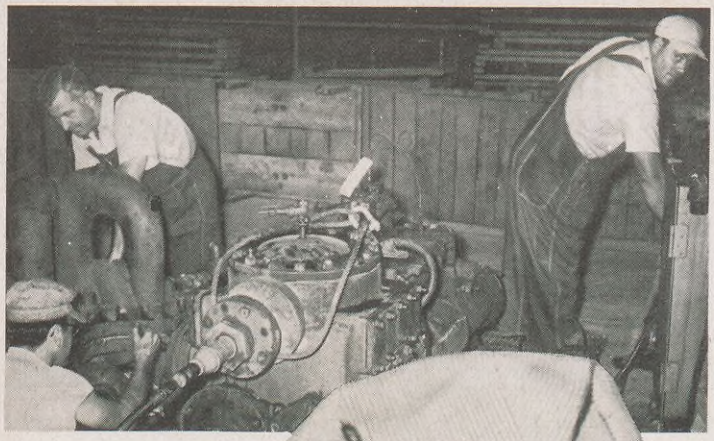
The men who use these machines, and all of the refinery's other craftsmen in kindred occupations, are proud of their skills and conscious of their reputation for high quality work that keeps the refinery units humming smoothly.



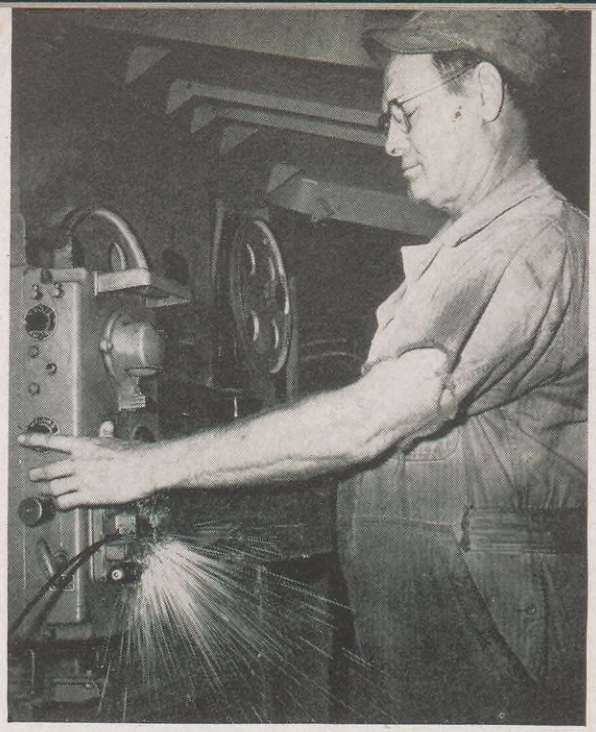
TURNING: On one of the machine shop lathes at the Houston Refinery, Machinist L. F. Cain smoothes a wear ring, a metal guard inside a centrifugal pump.



BURNISHING: This machine, shown with its cover tilted back, can recondition three mechanical seals at a time. The seals are used in pumps to reduce leakage. Preparing them for smoothing are Machinist Helper C. V. Lightfoot, left, and Machinist S. W. Chalmer.

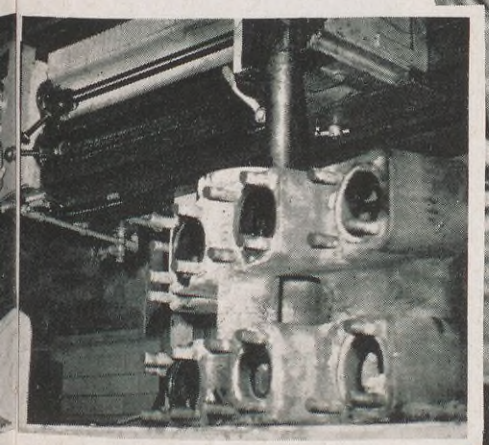


▲ TESTING: Left to right, Machinist Helper A. M. Martin and Machinists C. F. Janecke and M. S. Reeves test a pump under pressure after it has been fully overhauled.



REPAIRING: Machinist L. B. Harris joins the ends of a band ▲ saw blade on a welding machine in the shop. Houston's Machinist craftsmen also keep the tools of maintenance in good condition.

One Hundred and One Good Reasons Why Things Are Humming at the Houston Refinery



BORING: Machinist H. M. ▲ Borden reams a pump lining with a vertical boring mill.

SMOOTHING: Machinist G. D. Yeary, shown reconditioning the surfaces of a wedge for a gate valve, is typical of the experienced men maintaining units of the Houston Refinery. He has been with Shell 14 years.

Shell People in the News

Shell Oil Company of Canada, Ltd.

L. T. WILSON

L. T. WILSON has been named Manager of the Montreal East Refinery of Shell Oil Company of Canada, Ltd. A graduate of Oregon State College with a B.S. degree in geology, Mr. Wilson joined Shell Oil Company at the Wilmington Refinery in 1933 as a Junior Inspector in the laboratory. Following various assignments at Wilmington, Los Angeles and San Francisco, he was appointed Senior Technologist at the Martinez Refinery in 1946. He was named Assistant Department Manager, Catalytic Cracking, at Wilmington the same year and was appointed Department Manager in 1947. In 1949, Mr. Wilson was named Assistant Superintendent at the Martinez Refinery. He was appointed Superintendent of the Norco Refinery in August 1954.

As Manager of the Montreal East Refinery, Mr. Wilson succeeds Mr. G. (Jock) Davidson, who has been elected Vice President-Manufacturing, Shell Oil Company of Canada, Ltd. Mr. Davidson is well known to many Shell Oil Company employees as a result of assignments at the Wood River Refinery from 1937 to 1939 and at Head Office in New York from 1944 to March 1951.

Shell Oil Company

H. S. HAIGHT

H. S. HAIGHT has been named Manager of Shell Oil Company's San Francisco Marketing Division, replacing W. E. McDonald, who is retiring. Mr. Haight joined Shell in 1928 as a Service Station Attendant in Los Angeles. After serving in sales and supervisory positions at other West Coast locations, he was appointed Sales Manager of the Seattle Division in 1939. In 1948 Mr. Haight was named Sales Manager of the San Francisco Marketing Division, and, three years later, Assistant Sales Manager for the West Coast.

R. S. DOUGLASS, JR.

R. S. DOUGLASS, JR., has been appointed Superintendent of Shell Oil Company's Norco Refinery, succeeding Mr. Wilson. Mr. Douglass, who received a B.S. degree in mechanical engineering from the Missouri School of Mines, joined Shell Oil Company in 1927 as a Junior Engineer at the Wood River Refinery. Following assignments of increasing responsibility there, at the Houston Refinery and in the former St. Louis Office, he was named Chief Engineer at the Norco Refinery in 1937 and to a similar position at the Houston Refinery in 1942. He was appointed Assistant Manager of the Head Office Manufacturing-Engineering Department in 1943.

H. M. KARR

H. M. KARR has been named an Assistant Manager in the Shell Oil Company Head Office Manufacturing Engineering Department, replacing Mr. Douglass. Mr. Karr, who received a B.S. degree in civil engineering from the University of California, joined Shell Development Company in 1938 as a Draftsman. Following various West Coast assignments of increasing responsibility, he joined Shell Oil Company in 1950 as Assistant Chief Engineer at the Houston Refinery. In 1954, Mr. Karr was transferred to San Francisco in charge of project engineers working with the construction contractor on the new Anacortes Refinery. He was named a Special Engineer in the Head Office Manufacturing Engineering Department early this year.

Shell Chemical Corporation

MARTIN BUCK, Assistant to the Vice President-Manufacturing, Shell Chemical Corporation, has been named to a Senior Position in the Chemical Manufacturing Department of associates at The Hague. Mr. Buck, who received a B.S. degree in chemical engineering from the University of Illinois, joined Shell Oil Company in 1930 as a Junior Chemist at the Wood River Refinery. Following assignments there of increasing responsibility, he was named a Technologist in the St. Louis Head Office in 1938. After an assignment in the same capacity with Shell Development Company in 1940, he joined Shell Chemical Corporation in 1942 as Manager, Development and Engineering in San Francisco. Mr. Buck was named Assistant to the Vice President-Manufacturing in January 1949.

M. BUCK

F. G. WATSON

F. G. WATSON has been named Assistant to the Vice President-Manufacturing, Shell Chemical Corporation, succeeding Mr. Buck. A graduate of Princeton University with an A.B. degree in chemistry, Mr. Watson joined Shell Chemical Corporation in 1942 as a Chemist at the Dominguez Plant. Following assignments of greater responsibility, he was appointed an Assistant Department Manager at the Houston Chemical Plant in 1945. In 1947, he was named a Department Manager there. He was named Assistant Plant Superintendent at Houston in 1951 and Plant Superintendent in February 1954.

H. E. HUGHES has been named Superintendent of Shell Chemical Corporation's Houston Chemical Plant, replacing Mr. Watson. Mr. Hughes, who received a B.S. degree in mechanical engineering from the University of California, joined Shell Oil Company in 1934 as a Laborer at the Martinez Refinery. In 1939 he joined Shell Chemical Corporation as an Assistant Stillman at the Martinez Chemical Plant, and became an Engineer at the Torrance Plant in 1943. He was named Chief Engineer at the Dominguez Chemical Plant in 1946. In 1951 Mr. Hughes was appointed Assistant Chief Engineer at the Houston Chemical Plant. He was named Chief Engineer there in 1953 and Assistant Superintendent, Technical, in October 1954.

H. E. HUGHES

Discussion, which is encouraged at the Houston Marketing Training School, carries over into a coffee break. J. S. Holm and W. H. Jacobs, standing, left and right, guide the talk. Jacobs recently took over direction of the school from Holm, who is now District Real Estate Representative.

Training facilities include all the equipment of a modern service station. Jacobs explains to Shell dealers and their employees how to drain an automobile's crankcase quickly as well as cleanly. Left to right, are E. R. Schattel, Wayne Green, E. M. Hogan, Jacobs, Lee Pope and Bert Pope.

School for Competition

Shell Oil Company Merchandising Representatives Train Dealers to Keep Abreast of the Motoring Public's Demands

SHELL'S retail dealers—the men who fill the gasoline tanks, check the oil, and offer scores of other services and products to the motorist—are merchants in every sense of the word. They know Shell products and their customers, and have a knack for bringing the two together. In today's stiff competition, however, their knowledge and techniques of service station operation must be kept up to date if they are to remain successful merchants and, by the same token, sellers of Shell products.

To provide the necessary know-how, Shell's Marketing Organization maintains a training program to keep dealers in touch with the latest products and the best merchandising methods. Through years of development, the training evolved into an informal but, nonetheless, effective pattern: Shell Merchandising Representatives or Retail Salesmen periodically visited each dealer at his station, lent a hand with day-to-day operations and helped train the dealer and his employees on the job. This method was effective until about 10 years ago, when the average Shell dealer still employed only one full-time attendant. Today, with the average dealer employing four men, this method alone has become impractical.

Holm shows a training movie to dealers Jim Dew, left, Ralph France and P. W. Kasper. The courses are also taught through use of slide films, pamphlets, lectures, and actual practice.

Supplementing on-the-job training, Shell inaugurated a few years ago a series of Marketing Training Schools, which several dealers and their employees could attend at a time. Today, the number of schools has grown to about 75—strategically located throughout the Company's 18 Marketing Divisions.

One of the newest of these schools

is the one in the Houston, Texas, District of the New Orleans Marketing Division. Formed three years ago in a temporary building near the Houston Bulk Depot, the school last June moved into new, air-conditioned quarters where training is now conducted for the men who sell Shell products at 173 service stations in Houston and vicinity. The classes are conducted by Merchandising Representative W. H. Jacobs, with occasional assistance by Houston District Salesmen. Jacobs recently took over direction of the school from J. S. Holm, who has been named Houston District Real Estate Representative.

Motion pictures, movies, slide films, lectures and pamphlets, are used by the instructors to cover such subjects as "Pump Island Selling," "How to Boost the Sale of Tires, Batteries and Accessories," "Shellubrication® Tips," "Making Tools Work for You," "Shortcuts in Bookkeeping," "Making Every Man a Salesman," "Why Appearance Is Important," "Restroom Story," and "How to Compete." Discussion on all subjects is encouraged.

The use of a Shellubrication® manual is explained by Holm to Dew, ▲ left, and France. Such instruction is often followed by demonstrations on automobiles in which the men work under the guidance of their instructor.

In addition, one side of the classroom is fitted out with modern equipment like a regular service station, including a pump island, tire changer, wheel balancer, quick oil changer, tool rack, and a lubrication rack and grease dispensers. With this equipment, the service station men learn by doing, often working on each other's automobile under the supervision of an instructor. For effectiveness, each session is limited to from five to ten men, with attendance voluntary.

In addition to training the men to be specialists in automotive service and maintenance, an indispensable factor in today's competition, the school encourages them to be effective ambassadors of good will for themselves and Shell.

Taking part in one of the training sessions, Shell Retail Salesman Pruitt Browning plays the part of a "customer" as Dew wipes his windshield. The lesson: Use special Shell cleaner and chemically treated paper towels. A chamois, dealers are told, has natural oil in it and rags tend to become oily. ▼

The ninth in a new series of organization charts

Shell Oil Company

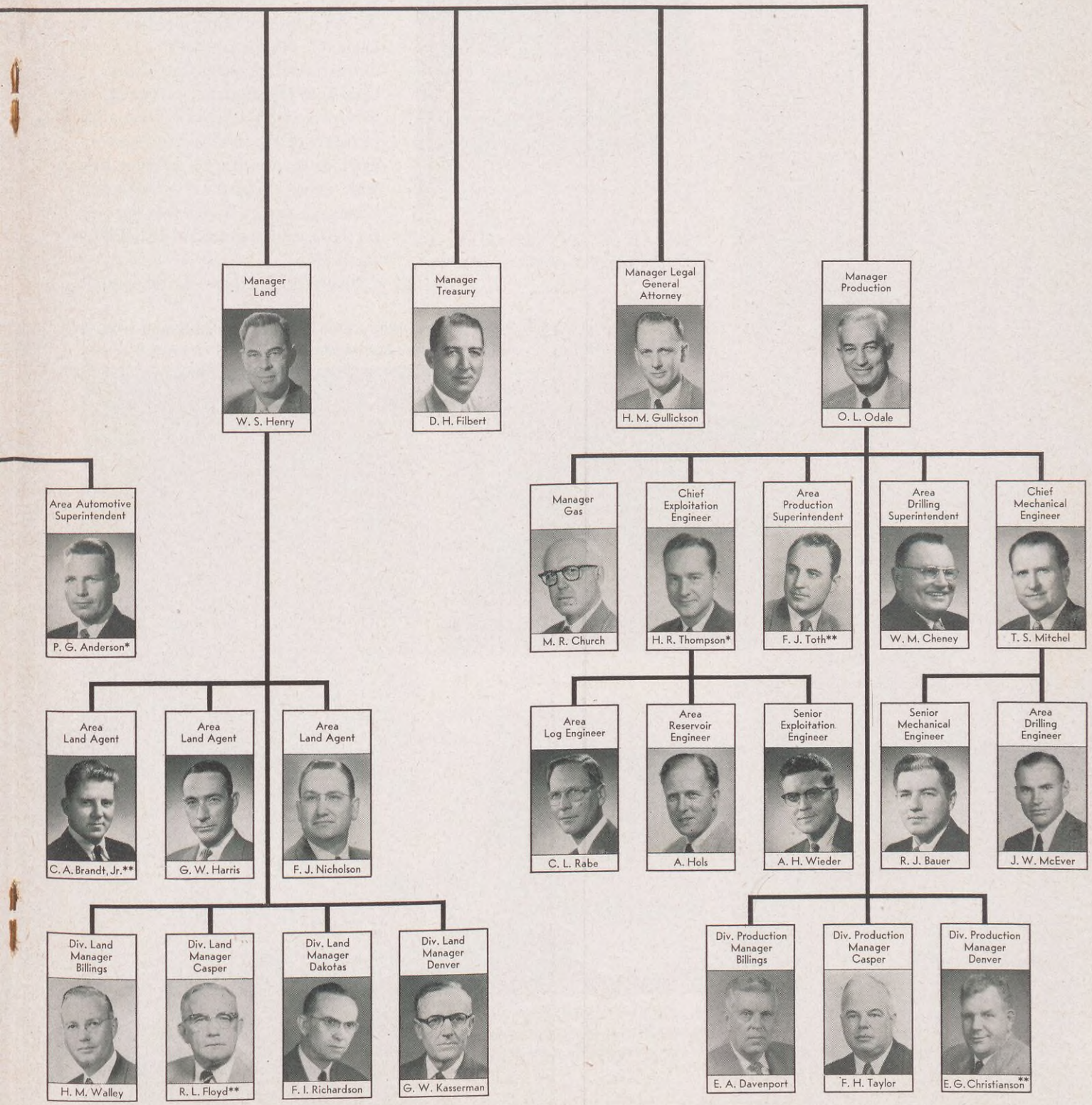
November—1955

(FA) Now on Foreign Assignment

* Acting

** Temporary Assignment

Denver Exploration and Production Area Organization Chart



The Ro

Shell Pipe Line Corporation, Acting as

1. CLEARING: Bulldozers clearing the Butte Pipe Line path in the Black Hills were in sight of Devil's Tower National Monument.

OUT of the Williston Basin oil fields of Montana, crude oil flows through the new 450-mile Butte Pipe Line—and on through the connecting Service and Platte lines to refineries farther east. Since, with its connecting carriers, it provides an efficient link with refineries in the St. Louis and Chicago areas, the line opens the way for faster development of the Williston Basin.

Shell Oil Company is the largest

2. DITCHING: A ditch digging machine, below, cuts a five-foot deep trench across a prairie and not far behind a "stringing" crew, below left, drops lengths of pipe into place beside the ditch.

3. JOINING: Welding teams, above and right, follow the stringing crew, making one continuous line of the many shorter lengths.

ute of the Butte

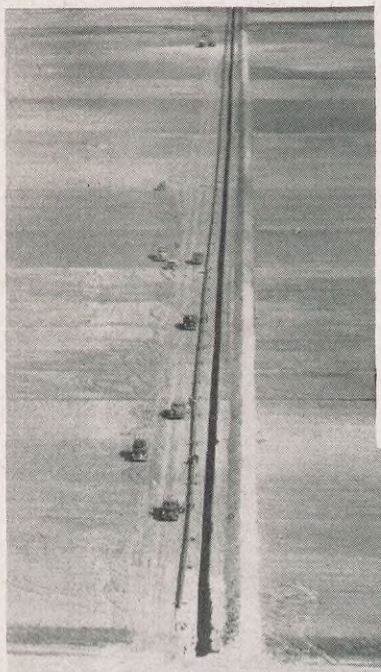
g as Construction Agent, Creates a New Outlet for Williston Basin Oil

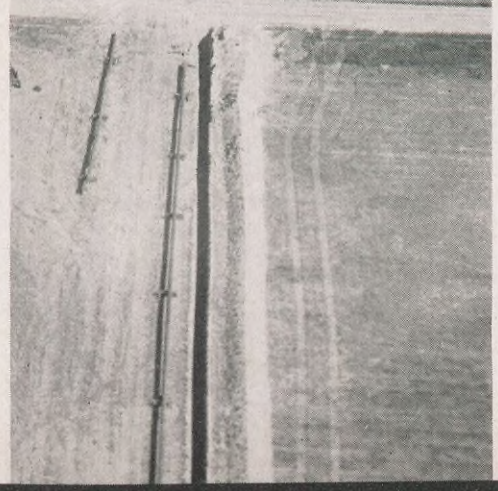
stockholder in the Butte Pipe Line Company. The line begins at Poplar, Montana, and extends almost due south to Fort Laramie and Guernsey, Wyoming.

The route was chosen with care and, despite its length, the line avoids such obstacles as extremely rough and mountainous terrain. There are, however, three river crossings, and in general the route is an uphill pull. From a starting point approximately 2,000 feet above sea level, this ribbon of 10-, 12-, then 16-inch pipe ascends as high as 5,000 feet in the Black Hills. It ends at a 4,300-foot elevation.

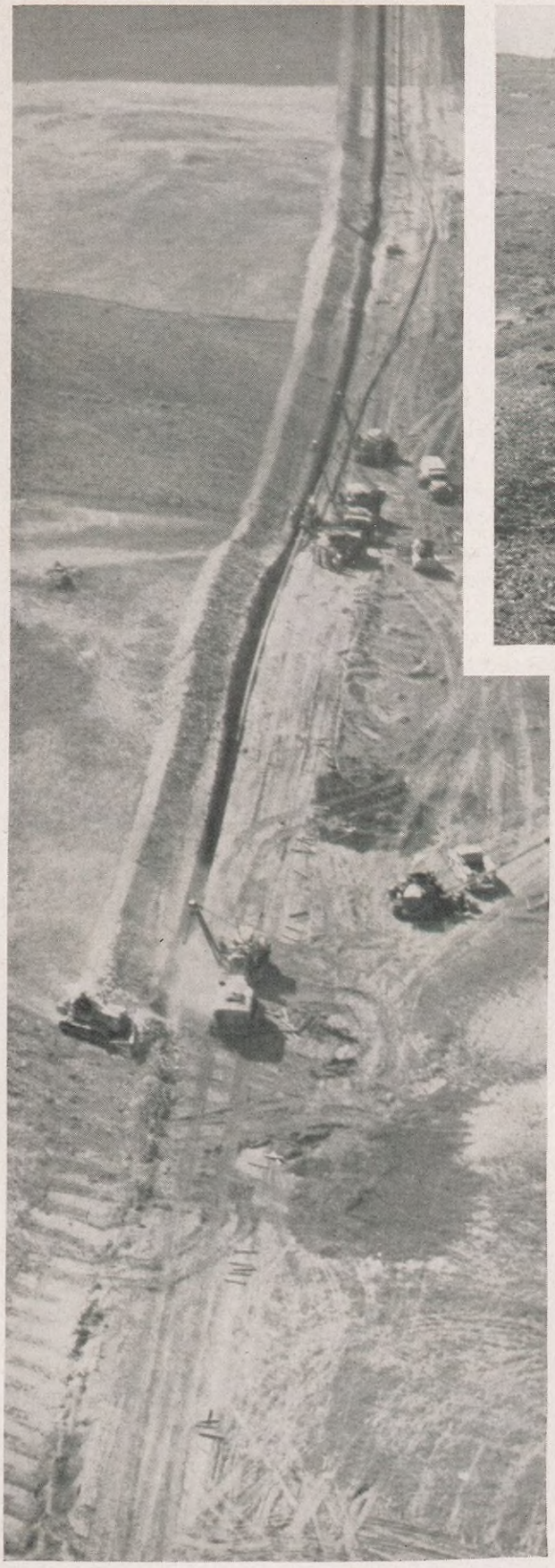
Shell Pipe Line Corporation acted as construction agent for the pipe line, and is now operating it as agent for the Butte Pipe Line Company. A step-by-step portrayal of how one section of the line went into the ground is shown on these and the following page.

4. INSPECTING: Visual checks are made on all welded joints, below left, and every tenth joint is x-rayed, below. All pipe joints are x-rayed at river crossings to help assure trouble-free operation.





5. WRAPPING: The pipe is then covered, above and right, with hot enamel, glass fibre and felt paper to prevent corrosion.



6. BACKFILLING: As the doping and wrapping machine moves along the pipe, the coating is inspected and the pipe is then lowered into the ditch, left. Bulldozers complete the construction cycle, left and above, pushing earth back into the ditch and smoothing the right-of-way. Foot-by-foot, mile-by-mile a new pipe line snakes its way beneath the soil of the states of Montana and Wyoming.

7. THIS IS A PIPE LINE: Only a long narrow mound of earth, above, indicates where ditchers, stringers, welders, wrappers and backfillers have passed. Beneath the mound, crude oil flows from oil fields to refineries. D. E. Rubottom, a clean-up inspector for Shell Pipe Line, looks over a completed section of line.

"Shares in Democracy"

An Entire American City Backed This German Youth's Campaign for Funds to Bring Foreign Exchange Students Here

Peter Diepold

PETER DIEPOLD, 17, is back home in Germany by now. But for a long time to come, his neighbors in the town of Brake, 20 miles from Bremen, may well be hearing how a shareholding venture of Peter's got the backing of an entire American city.

Peter spent last year as an American Field Service exchange student in Waltham, Massachusetts, a community of 48,000 people near Boston. He was temporarily "adopted" by a Waltham couple with five children of their own so he'd have all the comforts of home. He attended Waltham High School where he made scores of friends. He grew to like American life so much that, as his year's visit drew to a close last spring, he began to hope that more European boys like himself might have similar experiences. So, being an enterprising youth, Peter embarked on a one-man campaign to see what could be done about it.

It costs $650 for the American Field Service to bring a foreign student to America. The trouble was, donations in Waltham for this project were not sufficient. Peter took the problem to his teachers, schoolmates, and to civic and business leaders. He suggested a "Shares in Democracy" drive.

The goal was set at $1,000, with shares to be sold at $1 apiece. All over Waltham, people helped. A local printer supplied official-looking "shares." An advertising firm donated two outdoor billboards. Waltham's newspaper, the *News-Tribune*, and radio station, WCRB, frequently "plugged" the drive.

Hundreds of Peter's schoolmates at Waltham High contributed $1 each. The school's annual free talent show, ordinarily held in the afternoon, was shifted to an evening and 50 cents was charged. Between show profits and their individual contributions, Waltham students raised $1,250. And the Waltham Chamber of Commerce proposed to match this figure.

But that wasn't all. Waltham's Mayor Henry A. Turner officially proclaimed the drive's final week as "Democracy Week." To publicize the drive, more than 300 high school students visited nearby industrial plants and offices, including Shell's Metropolitan Boston Marketing District Office and Waltham Products Pipe Line Terminal.

With $2,700 already in the fund and additional contributions flowing in, Peter sailed for home, a happier boy. This was more than enough money to bring additional exchange students to Waltham for four years.

Boosting "Shares in Democracy" campaign, Waltham High School students visited the Waltham Marketing Terminal served by Shell's Massachusetts Products Pipe Line. Showing them about were Terminal Operator R. E. Mitchell, pointing, and Plant Superintendent H. D. MacRitchie, behind him. Peter Diepold, German student who inspired the fund drive, is seated on a pipe at far left.

Her efforts in safety benefited Commerce, Texas. Mrs. Glen Rabb, elementary school principal, compliments a student patrolman.

The Texas Highway Department cooperated in the safety program by instructing the student patrolmen. W. C. Rowden of the Highway Patrol stresses the importance of the boys' job in cutting down accidents. Strengthening the junior patrol was one of the principal parts of the campaign.

SAFETY SCHOOL MARM

A Carol Lane Award Winner, Mrs. Glen Rabb Started a School Safety Program That Became a Community Project

THE bas-relief plaque awarded a Texas elementary school principal at the National Safety Congress in Chicago last month hardly casts a shadow proportional to her influence in her community. Mrs. Glen Rabb, winner of a Carol Lane Award for outstanding achievement by a woman in the field of traffic safety, has the confidence and acclaim of her city of Commerce, Texas, as a result of the intensive and far-reaching safety program her efforts germinated.

As principal of W. J. Wheeler Elementary School, she determined the safety of the students was a subject of prime concern, whether it was part of the standard curriculum or not. The young scholars began working the theme of safety, traffic and all other phases as well, into both classroom and outside activities, in art contests, essay assignments and sports activities.

Parents approved. Deciding what was good for their youngsters was good for them, too, they helped Mrs. Rabb push the idea of safety through civic associations, recreational groups, churches and other organizations.

Results are impressive. The school has won three consecutive listings on the National School Safety Honor Roll, as well as best-in-state honors. The city has enjoyed a substantial decrease in its accident frequency rate. And Mrs. Rabb, as second place winner in the Individual Awards category, received a $500 savings bond in addition to the bronze bas-relief of the sculpture symbolizing "women's protective instinct."

The Carol Lane Awards, named after Shell's women's travel director, are administered by the National Safety Council through a Shell grant.

Winners of the 1955 individual awards are: First—Mrs. P. W. Hodges, Tucson, Arizona; Second—Mrs. Rabb; Third—Mrs. John S. Gardiner, Baltimore, Maryland.

Winners of the year's group awards are: First—Women's Division of the Greater Minneapolis (Minnesota) Safety Council; Second—Parent-Teacher Council, Provo, Utah; Third—Black Mountain Women's Club, Black Mountain, North Carolina.

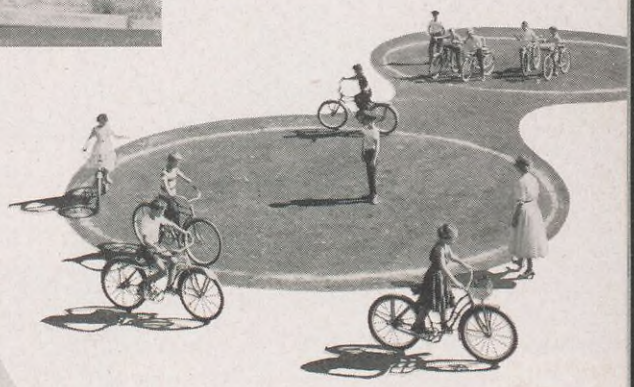
Children made safety posters illustrating their safety lessons. Mrs. Adolphus Peek, safety chairman and fourth grade teacher, helps students ◀ reproduce their bicycle riding ideas.

Mrs. Rabb (sixth from right) holds a community planning conference with parents, city and school officials, businessmen, a minister, civic club officers, college professors, and a Commerce newspaper reporter. ▶

First graders received instruction on how to cross at intersections ▲ with the traffic lights. Here Mrs. Rabb and two student patrolmen lead the way while Mrs. O. C. Atchley sees that there are no stragglers.

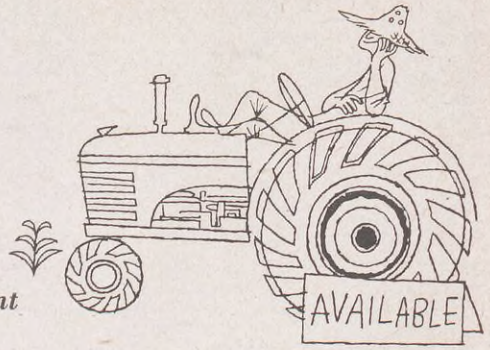
Older students in the W. J. Wheeler Elementary School instructed first graders on how a traffic light operates, using a model with colored ▼ sections made by students to show when to cross and when to stop.

Children learned how to ride bicycles in traffic, later participating in ▼ a giant bicycle safety Road-e-O.



A contest in the school system for a safety slogan was won by "Drive With Care and Get Somewhere." Bumper signs applied by students ▼ reminded drivers that safety would pay.

Tractor For Hire



This Shell Pensioner in Wichita, Kansas, Found in Custom Tractor Work a "Custom-Made" Plan for his Retirement

GEORGE W. HARRIS, Shell Pensioner, did a switch on young doctors and lawyers who traditionally hang out "shingles" when they start their careers. George waited until he retired from Shell Oil Company to put up his in Wichita, Kansas,

George and Mrs. Harris cultivate a garden ▲ that supplies their table and stocks a roadside vegetable stand that Mrs. Harris operates.

George checks the mowing accessory for his tractor before setting out to mow the highway ▼ right-of-way in his state highway district.

It read, "G. W. Harris, custom plowing, mowing and grading service for small gardeners, landscapers and homeowners." That was in 1949, after 26 years as a Roustabout, Truck Driver and Pumper in Shell oil fields in Oklahoma, Texas and Kansas.

George was ready with his retirement plan—and his shingle—when he retired. "I had talked to some men who did custom plowing and grading and found out that it was a good business," he recalls. "I wanted a business of my own that would keep me busy, but not put a strain on me. I knew farm work, so custom plowing looked about right."

George used some of his Provident Fund money to buy a light tractor and the necessary accessories. "Then I nailed up signs along the highways and roads near my home," he says. At the same time, he nailed down a contract with the Kansas State Highway Department to do weed mowing work on a section of road in the highway district in which he lives.

George now has a contract to mow the rights-of-way over the entire highway district. In addition, his list of satisfied plowing and grading customers keeps him booked for weeks ahead during the warm months of the year.

Expert gardeners themselves, George and Mrs. Harris grow a wide variety of vegetables in their own garden. The garden not only provides an abundance of food for their own table, but also ample stocks for what they refer to as their "sideline"—a roadside vegetable stand. Mrs. Harris takes care of the stand when George is busy plowing and mowing.

Custom tractor work and gardening fit in well with the Harris' desires. They enable them to slow the pace of activity in the winter months. They like to spend these months catching up on television programs, attending sports events and visiting their children and grandchildren.

How does this retirement plan suit them?

"With my regular Shell Pension check and our extra income, we're really independent," George says. "Recently, I had a physical examination and the doctor said I'm in excellent health. I think it comes from keeping busy and working outdoors. I can sure tell you I enjoy every minute of it."

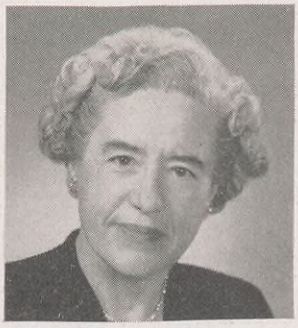
Pausing during a day's work, George W. ▲ Harris sits in the modern tractor with which he does custom plowing, grading, and mowing.

They Have Retired

O. L. BOND
Wood River Refinery
Engineering

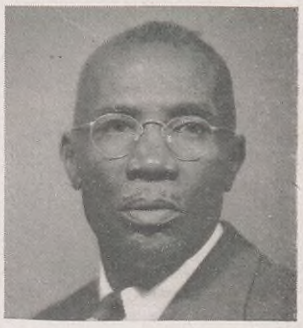
P. G. BLACKBURN
Indianapolis Division
Operations

H. J. BUDDENHAGEN
Pacific Coast Area
Exploration



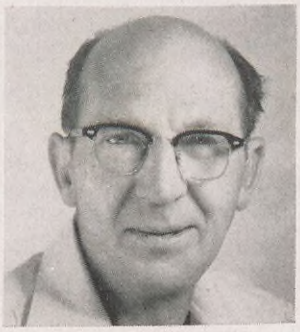
R. M. CAREY
Shell Chemical Corp.
Agri. Chem. Div., Los Angeles

C. C. GOFF
Tulsa Area
Production



E. HILLARD
Shell Pipe Line Corp.
Texas-Gulf Area

L. LE BLANC
New Orleans Area
Production



H. L. McKINLEY
Pacific Coast Area
Production

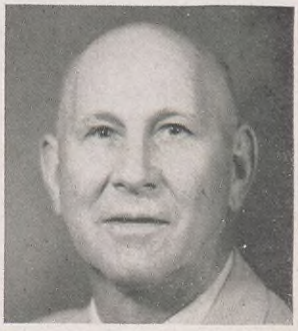
A. J. MORRISON
Pacific Coast Area
Purchasing-Stores

J. J. O'BRIEN
Boston Division
Operations

A. H. PLANZ
Shell Chemical Corp.
Shell Point Plant

T. G. PURINTON
Sacramento Division
Operations

R. H. RITCHIE
Shell Chemical Corp.
Shell Point Plant



W. E. ROMINE
Wood River Refinery
Engineering

SHELL COAST TO COAST

Atom Smasher on TV

The story of Shell's use of atomic energy in such research tools as the Van de Graaff ▲ particle accelerator, or "atom smasher," installed this year in Shell Development's E. & P. Research Laboratory at Houston was recently told to nationwide TV audiences. Above, a movie production unit visits the lab to make a film later distributed to 200 TV stations.

Teacher Tour

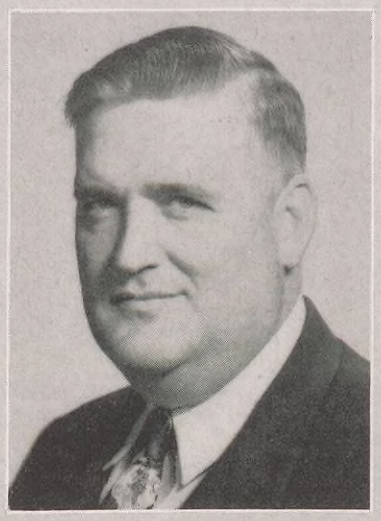
As part of Business-Education Day in Modesto, California, 15 school teachers visited ▲ Shell Development Company's Agricultural Laboratory there. In the greenhouse, Horticulturist M. M. Turner, foreground, explains how soil fumigation tests are conducted.

Rarer Than Mink

FROM Argentina comes the nutria, an animal which would appear to be a cross between a muskrat and a beaver, except for its monkey-like fore feet and duck-like webbed hind feet. Actually, it's more valuable than muskrat or beaver. Its teeth are a source of red ivory for jewelry. Whiskers make high-grade brushes. Its greatest value lies, however, in its pelts which at present are rarer, and therefore more expensive, than mink. For nearly two years, Jim Foster, Pumper-Fireman at Shell's Willbridge Terminal in the Portland Marketing Division, has been building an interesting and financially rewarding hobby by raising nutria breeding stock at his Oregon home. Presently, he owns three families of the odd-looking animals, which are of comparatively recent interest to the fur industry. When "kits," like those shown at lower left, mature to a weight of about 35 pounds, they will bring about $800 a pair. Meanwhile, Foster says, they make fine pets.

Scientists Honored

The work of two Shell scientists won recognition recently with, 1) the election in Zurich, Switzerland, of F. F. Tuemmler to the post of Secretary in the Analytical Section of the International Union of Pure and Applied Chemistry; and, 2) the award of $1,000 by the American Chemical Society to M. J. O'Neal, Jr., for "outstanding research achievements in petroleum chemistry." Tuemmler, head of the Analytical Standardization Department in Shell Development Company's Emeryville Research Center, will hold his international office until 1959. O'Neal is Group Leader in the Analytical Research Division of Shell Oil's Research Laboratory at the Houston Refinery.

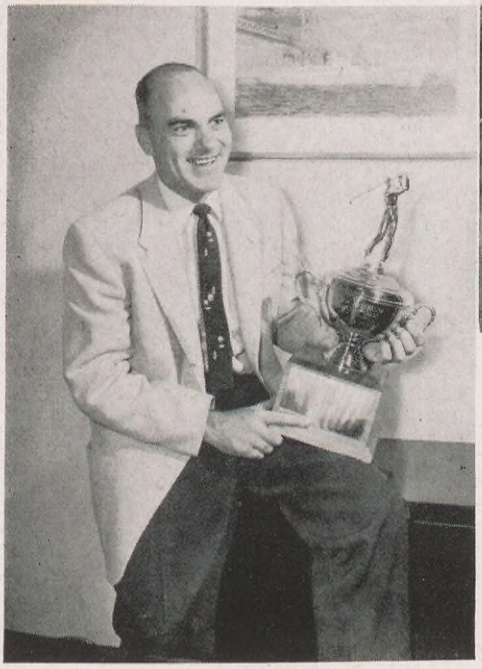


F. F. TUEMMLER

M. J. O'NEAL, JR.

Golf Champ

C. H. Larison shot a 74 to win the golf tournament recently sponsored by the Purchasing Agents of Northern California. By virtue of his accomplishment, Larison, Assistant Manager of the Purchasing and Stores Department in Shell Development's Emeryville Research Center, will have custody of this perpetual trophy for 1 year. ▼



Auto Safety

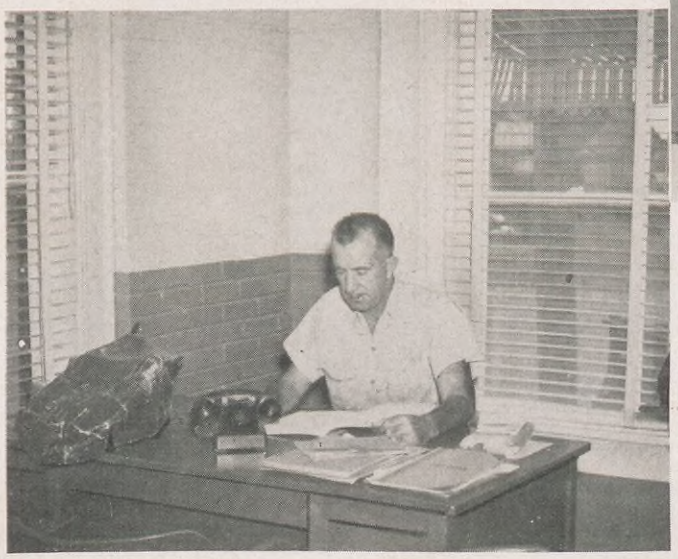
Seat belts, one of the newest developments in automobile safety, have been installed experimentally in five Shell-operated cars in the Midland Area. C. W. Stephenson, foreground, Mechanic in the Transport Department, and G. H. Creighton, Area Safety Representative, try the new safety devices. Anchored to the seat frame, the belts are designed to hold driver and front seat passenger secure in the event of a collision. ▲

Top Driver

The Michigan Trucking Association's "Driver of the Month" award for outstanding contributions to highway safety recently went to W. D. Douglas, below left, Driver Salesman in Shell Oil Company's Detroit Marketing Division. Presenting a certificate is Maxwell Halsen, executive Director of the Michigan State Safety Commission. Besides driving more than 300,000 accident-free miles, Mr. Douglas several times assisted motorists involved in highway mishaps. ▼

His Honor, The Mayor

Serving a two-year term as Mayor of Healdton, Oklahoma, is H. H. Bray, District Gauger in Shell Pipe Line Corporation's Healdton District. Mayor Bray, with Shell for 19 years, formerly served as city councilman for six years. He won Healdton's mayoral post in his first campaign for the office, winning a plurality of votes over four other candidates. ▼



Hearing Aid

R. E. Dobyns, standing left, Crude Oil Representative in the Houston Exploration and Production Area, is serving this year as president of the Houston Council for Deaf Children, a group he helped organize two years ago to promote the welfare and education of deaf children in Houston. Dobyns is shown standing beside Wayne O. Quinn, treasurer of the Council. Seated, left to right, are: Council Member C. O. Haug, Mrs. Spencer Tracy, and Council Member Dr. Fred Guilford. Mrs. Tracy was visiting Houston in the interest of deaf and handicapped children. ▲

Crack Drill Team

The twenty youngsters in the Menlo Verdes Drill Team, below, all aged 10 to 13, turn out regularly for parades, civic events, and football games like last year's televised grid battle between UCLA and Stanford. They were organized two years ago by G. D. Freeman, Marketing Engineer in Shell Chemical Corporation's Ammonia Division at San Francisco. He is shown on far edge of drill column, and, at right, with his son David, 13, holding flag, and Brian Renshaw, 12, son of Senior Engineer Robert Renshaw of the Ammonia Division. The youngsters practice weekly under Freeman's direction. ▼

Service Birthdays

Thirty-Five Years

C. C. BRADY
Norco Refy.
Engineering

A. K. MATHESON
Martinez Refy.
Engineering

G. SPARKS
Tulsa Area
Gas

E. C. TASTET
Norco Refy.
Engineering

S. E. WADLEY
Shell Pipe Line Corp.
Mid-Continent Area

Thirty Years

L. C. BECKMAN
Anacortes Refy.
Zone A

P. L. BLEDSOE
Wood River Refy.
Catalytic Cracking

J. L. BOYD
Tulsa Area
Production

J. H. BRAUD
Norco Refy.
Engineering

H. S. M. BURNS
Shell Oil Company
President

P. S. BUTTERFIELD
Martinez Refy.
Dispatching

B. M. DOWNEY
Shell Chemical Corp.
Head Office

H. A. HEGSTRUM
San Francisco Div.
Sales

O. R. HEROLD
Los Angeles Div.
Marketing Service

J. J. LANE
St. Louis Div.
Marketing Service

P. E. LEHR
Pacific Coast Area
Production

E. F. McQUAIN
Tulsa Area
Production

O. G. McVICKER
Shell Pipe Line Corp.
Mid-Continent Area

V. J. MELLOR
Wood River Refy.
Lubricating Oils

L. E. MILLER
Los Angeles Div.
Operations

J. W. MOYER
Tulsa Area
Gas

P. S. NORTHEY
Pacific Coast Area
Production

R. H. NORTON
Seattle Div.
Sales

T. R. RAMBO
Wood River Refy.
Engineering

H. J. ROBERT
Norco Refy.
Engineering

T. P. SAIZAN
Norco Refy.
Distilling

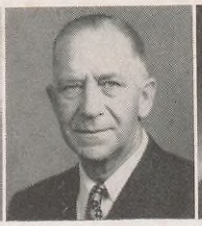
G. J. SIMON
Norco Refy.
Engineering

E. L. STARKEY
Wood River Refy.
Thermal Cracking

Thirty Years (cont'd)

E. L. STRUIF
Martinez Refy.
Cracking

J. M. STUART
Pacific Coast Area
Production



G. H. VAN HORNE
Shell Pipe Line Corp.
Mid-Continent Area

J. C. WATERMAN
Pacific Coast Area
Exploration

E. W. WHITE
Wood River Refy.
Thermal Cracking

R. J. WILSON
San Francisco Office
Marketing

D. F. WINTER
Sacramento Div.
Operations

Twenty-Five Years

L. J. BABIN
Norco Refy.
Engineering

F. C. BARHOOVER
Minneapolis Div.
Sales

E. CLARY
Wood River Refy.
Engineering

D. R. FERRIER
Shell Chemical Corp.
Shell Point Plant

J. L. FRANZ
Head Office
Marketing

P. B. HINYARD
Houston Area
Exploration

R. W. HURT
Indianapolis Div.
Operations

D. JAMES
Shell Development Co.
Emeryville

H. A. R. KEIRAN
Boston Div.
Operations

J. F. KELLY
Boston Div.
Operations

H. O. KNOCH
Shell Chemical Corp.
Shell Point Plant

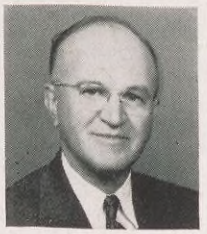
F. T. LEE
Indianapolis Div.
Operations

A. A. MacKRILLE
Head Office
Marketing

E. C. MARTIN
New York Div.
Operations

J. W. McNULTY
Head Office
Marketing

M. M. MENDIVIL
Shell Chemical Corp.
Shell Point Plant



F. M. MESOJEDNIK
Tulsa Area
Crude Oil

S. MOBERG
Shell Development Co.
Emeryville

E. J. OLIVER
Martinez Refy.
Compounding

C. E. PRIEST
Wood River Refy.
Lubricating Oils

C. A. ROBERTS
Midland Area
Gas

R. F. SAYERS
Shell Pipe Line Corp.
Mid-Continent Area

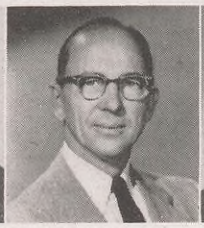
P. G. SCHMIDT, SR.
Shell Chemical Corp.
Shell Point Plant

W. H. SHAFFER
St. Louis Div.
Operations

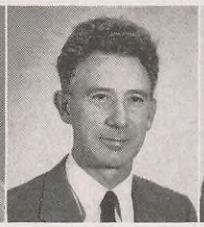
C. R. SIMON
Shell Chemical Corp.
Shell Point Plant

Twenty-Five Years (cont'd)

K. W. STOCKS
Wilmington Refy.
Eff. Control & Util.



W. A. SULLIVAN, JR.
Head Office
Manufacturing



J. C. TAYLOR
Wilmington Refy.
Engineering

W. T. THOMAS
Pacific Coast Area
Production

H. E. WELSH
Shell Chemical Corp.
Shell Point Plant

J. C. WILLMAN
Wood River Refy.
Engineering

J. B. WOODARD
Houston Refy.
Treating

SHELL OIL COMPANY

Head Office

20 Years

R. W. Ellis.....Financial
W. D. Gibson.....Trans. & Supplies
C. L. Herold.....Expl. & Prod.

15 Years

Dorothy E. Fraser.....Financial
R. F. Repenning.....Marketing

10 Years

R. D. Bodig.....Economic Development
Rose C. Kelly.....Marketing
D. K. Laidlaw.....Trans. & Supplies
A. S. Newmeyer.....Financial

Exploration and Production

CALGARY AREA

15 Years

A. J. Akehurst.....Production

10 Years

P. F. Moore.....Exploration
S. J. Sewell.....Production

DENVER AREA

15 Years

M. L. Westover.....Production

10 Years

F. J. Barron.....Production
D. R. Caum.....Exploration
L. J. Clark, Jr.....Automotive
E. R. Newbern.....Exploration
Vera E. Pennekamp.....Administrative
P. Tackenberg.....Exploration
E. F. Thon.....Exploration

HOUSTON AREA

20 Years

R. J. Barthelemy.....Exploration
A. B. Wood.....Exploration

10 Years

L. A. Ballard.....Production
N. L. Collins.....Gas
C. G. Hadac.....Gas
C. E. Ingram.....Production
G. B. La Barbera.....Treasury
L. W. Poppe.....Gas
H. W. Raymond.....Administrative
R. J. Sebesta.....Production
L. H. Ward.....Production

MIDLAND AREA

20 Years

H. M. Nixon.....Production

15 Years

W. W. Hendricks.....Treasury
D. J. White.....Exploration

10 Years

C. R. Blevins.....Production
T. Breithaupt.....Gas
A. J. Burney.....Production
L. V. Cupps.....Automotive
I. L. Harris.....Production
G. R. Hyatt.....Land
W. Johnson.....Production
O. V. Lawrence.....Land
H. L. Lillie.....Production
L. B. Payne.....Production

NEW ORLEANS AREA

20 Years

W. A. Boudreaux.....Exploration
J. J. Nastasi.....Production
H. O. Porter.....Production

15 Years

C. E. DeWitt.....Production
A. C. Horton.....Production
S. G. Verret.....Production

10 Years

B. E. Adams.....Treasury
N. A. Chauvin.....Production
D. A. Gauthreaux.....Production
R. S. Hebert.....Production
A. R. Rodrigue.....Production
T. L. Schmidt.....Production

PACIFIC COAST AREA

15 Years

D. E. Greenlee.....Exploration
A. G. Haworth.....Pipe Line
B. G. Kerr.....Land

10 Years

R. W. Bloom.....Production
C. W. Burch.....Exploration
J. R. Cannon.....Production
J. N. Cody.....Production
N. H. Fairbanks.....Gas
B. Given.....Pipe Line
D. L. Gragg.....Production
K. H. Hopkins.....Purchasing-Stores
W. A. Howser.....Production
J. H. Kelly.....Production
W. A. Lester.....Production
T. A. McCoy.....Production
J. G. Parker.....Exploration
D. P. Pike, Jr.....Production
G. A. Sain.....Production
H. Skyles.....Production
Pamela D. Wyville.....Treasury

TULSA AREA

15 Years

A. W. Carr.....Production
J. L. Haliburton.....Exploration
J. P. MacEachern.....Production
P. P. Overstreet.....Gas
C. C. Shirley.....Production

10 Years

P. J. Lemley.....Gas

Manufacturing

ANACORTES REFINERY

20 Years

E. G. Englebright.....Engineering
D. W. Neutzman.....Zone D

HOUSTON REFINERY

20 Years

H. J. Lewis.....Lubricating Oils
E. D. Williams.....Engineering

15 Years

R. T. Garbs.....Lubricating Oils
H. E. Rose.....Engineering
G. O. Williams.....Lubricating Oils

10 Years

C. T. Archer.....Catalytic Cracking
B. S. Christ.....Dispatching
L. W. Cope.....Gas
J. E. Deaton.....Gas
S. D. Donahoe.....Stores
G. E. Hendricks.....Engineering
B. Jacques.....Engineering
H. K. Kaiser.....Pers. & Indus. Rel.
T. D. Lancaster.....Engineering
M. W. Mabry.....Engineering
V. A. Maggio.....Gas
C. E. Moore.....Effluent Control

A. H. Nitsch.....Engineering
D. R. Smith.....Dispatching
M. L. Smith.....Dispatching
D. G. Stephenson.....Engineering
W. Wingfield.....Engineering

MARTINEZ REFINERY

20 Years

C. R. Carter.....Engineering

10 Years

T. U. Atencio.....Compounding
C. C. Carpenter.....Engineering
E. J. Cartier.....Compounding
A. L. Cooper.....Cracking
M. C. Cooper.....Dispatching
W. C. Eastman.....Distilling
D. E. Edwards.....Engineering
F. R. Funderburg.....Engineering
T. B. Grandbois.....Engineering
L. Machado.....Cracking
W. R. Peterson.....Engineering
A. R. Ribeiro.....Cracking
D. Slaughter.....Engineering
E. K. Stuard.....Engineering
R. F. Veirs.....Distilling

NORCO REFINERY

15 Years

N. J. Waguespack.....Distilling

WILMINGTON REFINERY

15 Years

R. B. Ewell.....Technological
C. C. Newman.....Engineering

10 Years

H. M. Allebaugh.....Engineering
C. W. Barber.....Fire & Safety
C. A. Bower.....Alkylation
W. E. Cawood.....Dispatching
L. M. Comer.....Catalytic Cracking
A. R. Duthie.....Engineering
C. E. Hilsabeck.....Engineering
T. W. Ingrom.....Engineering
D. H. Jones.....Fire & Safety
G. L. King.....Thermal Cracking
L. M. Mikkelson.....Treasury
R. E. Moore.....Engineering
H. D. Ward.....Engineering

WOOD RIVER REFINERY

20 Years

H. W. McCulloch, Jr.....Products Application
J. W. Ogg.....Engineering
L. P. Parsons.....Engineering
C. E. Provow.....Engineering
C. W. Smith.....Engineering
L. K. Thompson.....Engineering

15 Years

E. E. Ernst.....Dispatching
D. J. Kirchhoff.....Alkylation
W. H. Lamb.....Catalytic Cracking
R. B. Wohlert.....Lubricating Oils

10 Years

R. P. Chevalley.....Control Laboratory
C. O. Foster.....Compounding
C. A. McDonald.....Compounding
F. A. Orr.....Research Laboratory
C. P. Schilling.....Stores
W. D. Sims.....Research Laboratory

Marketing

MARKETING DIVISIONS

20 Years

L. C. Craven.....Chicago, Operations
L. A. Parson.....Indianapolis, Treasury
J. L. Titus.....Indianapolis, Operations
J. L. Hill.....Minneapolis, Operations
H. A. Grabley.....New York, Operations
P. Sheridan.....New York, Operations
F. L. Click.....Sacramento, Operations
G. G. Flauaus.....St. Louis, Mktg. Service
G. O. Warren.....St. Louis, Operations
H. Marcus.....Seattle, Operations

15 Years

B. L. Moon.....Atlanta, Mktg. Service
E. J. O'Donnell.....Baltimore, Mktg. Service
S. Cupp.....Boston, Treasury
H. V. Goode.....Boston, Operations
S. I. Baggett.....Chicago, Operations
G. S. Simon.....Chicago, Operations
G. Neave.....Detroit, Operations
D. M. Lewis.....Los Angeles, Operations
I. N. Torrance.....Los Angeles, Operations
P. E. Jannicola.....New York, Mktg. Service
J. I. Seymour.....New York, Operations
C. H. Taft.....San Francisco, Sales
J. A. Ungari.....San Francisco, Operations
H. H. Miller.....Seattle, Operations
C. F. Turner.....Seattle, Operations

10 Years

S. V. King.....Atlanta, Operations
L. O. Ockert.....Atlanta, Sales
J. J. Cavallo.....Baltimore, Operations
J. V. Delander.....Baltimore, Sales
A. G. Lischka.....Chicago, Operations
C. W. Amweg.....Cleveland, Operations
H. S. Wagner.....Cleveland, Sales
F. Q. Buckner.....Detroit, Operations
S. J. Janus.....Detroit, Operations
L. S. Komko.....Detroit, Operations
A. A. Martin.....Detroit, Sales
R. G. Offenborn.....Detroit, Operations
J. M. Jessup.....Indianapolis, Sales
K. R. McCardle.....Indianapolis, Operations
J. W. Miller.....Indianapolis, Operations
T. G. Stroud.....Indianapolis, Mktg. Service
H. C. Askegaard.....Minneapolis, Sales
G. Krahulec.....Minneapolis, Operations
A. A. Bryan.....New York, Operations
P. W. Fitzmaurice.....New York, Sales
K. M. Frawley.....New York, Sales
R. E. Fries.....New York, Operations
T. J. Macy.....New York, Operations
R. E. Carlson.....Portland, Mktg. Service
Velma G. White.....Sacramento, Treasury
Katherine A. Chatfield..San Francisco, Treas.
J. A. Campbell.....St. Louis, Operations
E. T. Hager.....St. Louis, Operations

SEWAREN PLANT

15 Years

S. A. Zeller.....Operations

Products Pipe Line

20 Years

W. O. Bramel.....Harristown, Ill.
H. O. Gobble.....Sibley, Ill.

10 Years

W. Mazur.....East Chicago, Ind.
M. Mericle.....East Chicago, Ind.
J. C. Roberts.....Doraville, Georgia

SHELL CHEMICAL CORPORATION

15 Years

M. F. Karney.....Houston

10 Years

A. J. Garon, Jr.....Houston
A. A. Gully.....Dominguez
R. H. Bellin.....Head Office
R. L. Brittain.....Houston
R. Corley.....Houston
J. F. Hill.....Houston
T. E. Inglet.....Houston
B. B. Relf.....Houston
W. L. Visinsky.....Houston
T. J. Williford.....Houston
J. A. Estrada.....Shell Point
J. Hondeville, Jr.....Shell Point
T. M. Pitts.....Shell Point
W. C. Shaffer.....Shell Point
D. Zwakenberg.....Shell Point
B. G. Case.....Torrance
T. L. Julian.....Ventura

SHELL DEVELOPMENT COMPANY

20 Years

C. M. Ringbom.....Emeryville
A. W. Ritchie.....Emeryville
E. J. Vohtz.....Emeryville

15 Years

A. H. Berg.....Emeryville
C. A. Converse.....Emeryville
D. Espy.....Emeryville
W. C. Hill.....Emeryville
O. S. Torgerson.....Emeryville

10 Years

E. J. Hall.....Emeryville
R. O. Horning.....Emeryville
K. F. Koetitz.....Emeryville
H. A. Le Febre.....Emeryville
M. E. Miller.....Emeryville
R. A. Mugele.....Emeryville
C. E. Muller.....Emeryville
G. W. Noller.....Emeryville
R. W. Pyle.....Emeryville
W. H. Sharp.....Emeryville
J. A. Vad.....Emeryville
W. W. White.....Emeryville
Marguerite B. Wolford.....Emeryville
S. M. Burton.....Houston
W. H. Heesche.....Houston
C. B. Vogel.....Houston
C. L. Coleman.....Modesto
W. M. Creek.....Modesto

SHELL PIPE LINE CORPORATION

20 Years

R. D. Council.....Bayou System

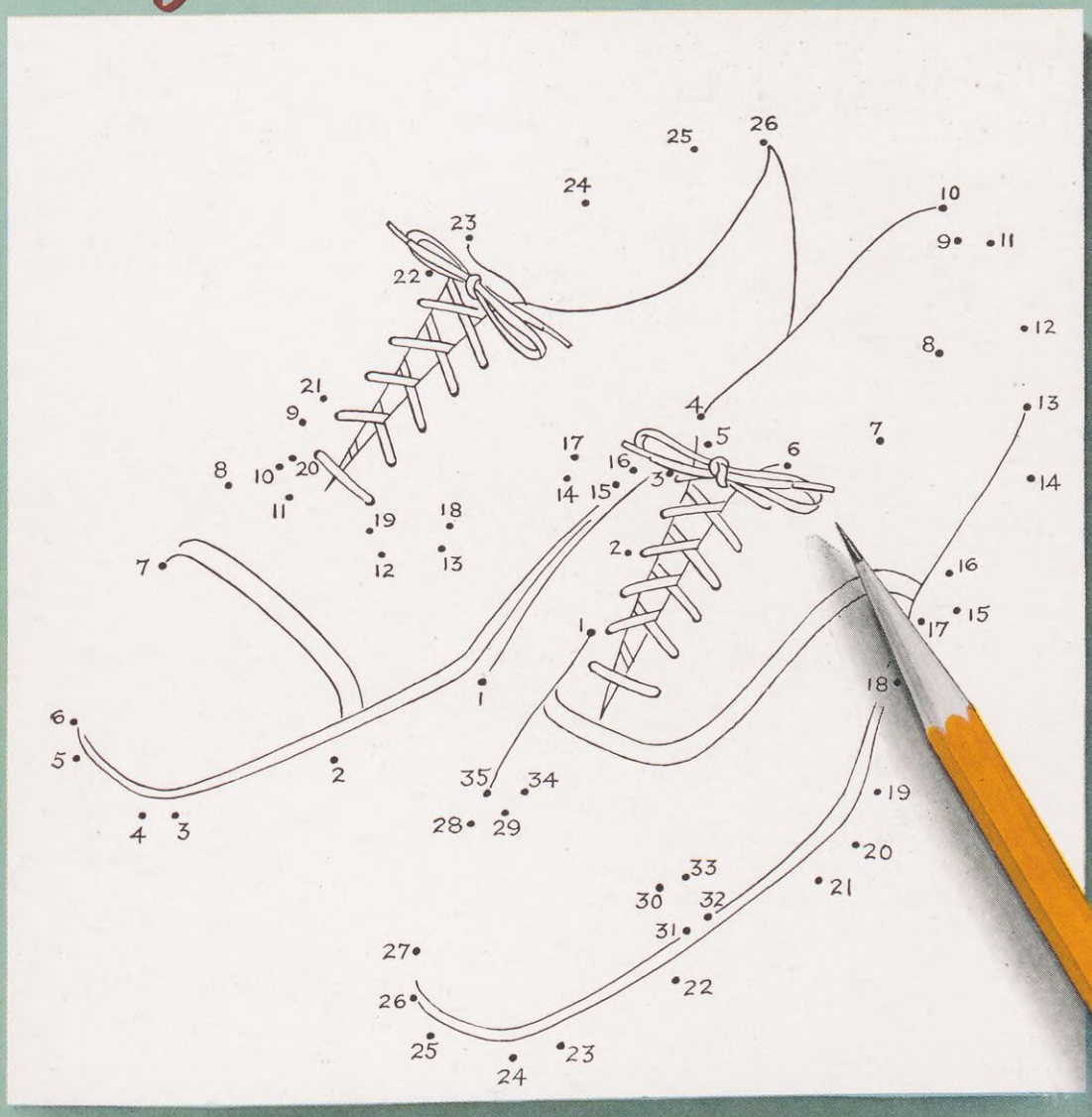
15 Years

R. L. Gest.....Texas-Gulf Area
J. L. Howell.....West Texas Area
L. J. Kirtley.....Mid-Continent Area
E. F. Ladd.....Mid-Continent Area

10 Years

W. D. Ashmore.....West Texas Area
G. C. Beeman.....West Texas Area
H. W. Gillott.....West Texas Area
G. E. Oglesby.....West Texas Area
W. C. Schulte.....Mid-Continent Area
A. B. Wood.....West Texas Area

matters of *fact*



CAN YOU FILL THESE?

Can you, if the opportunity arises, fill the shoes of the person in the job ahead of you? There is no puzzle to getting ahead in Shell if you have a firm footing in your present job and a desire to take advantage of the opportunities for advancement.

Shell has a long established policy of promotion from within.

SHELL OIL COMPANY
50 West 50th Street
NEW YORK, N. Y.
RETURN POSTAGE GUARANTEED

J. B. Bradshaw
4710 Bell
Houston, Texas

SCC

SHELL *around the Nation*

JACKSON HEIGHTS

Jammed with big apartment houses and the many business concerns that cater to the needs of their tenants, Jackson Heights is a big residential section in New York City's Borough of Queens. Here, a short subway ride from Manhattan and a stone's throw from world-famed LaGuardia Airport, is the community which is headquarters of Shell Oil Company's New York Marketing Division. The Division covers one of the Company's smallest marketing territories, but within its area is the highest concentration of population in the nation. The Jackson Heights Office is the distribution headquarters for Shell products in the southeastern tip of New York State, the southwestern corner of Connecticut, eastern Pennsylvania, and all of New Jersey. There are 210 employees in the Division office and about twice that number throughout its six Districts. From eight bulk depots, Shell products move to customers through 1,044 service stations in direct territory and 52 in areas served by Shell jobbers. The Division also directly supplies many large fuel oil, aviation and industrial accounts throughout its territory.