His path will be smoother when foresighted parents pave the way with regular savings through the Payroll Savings Plan. A few pennies a day put into Savings Bonds can guarantee an education, provide the means to start a business, or meet any of the expenses encountered on the road from childhood to maturity.
Foresighted parents have tapped into Savings Bonds as the means to start a business encountered on the road to success.
A letter received recently in the home office complemented Western on the conduct of one of its parties in a small community where it was headquartered at the time. The businesslike and orderly procedures of the crew and the consideration shown to the community and the premises occupied were praised by the correspondent.

Although it is to be expected that a business organization will go about its work in a businesslike manner, maintain good relations with the towns, and leave property in good order, we are very gratified when a Western party does all this so well that outsiders make special mention of it. Since people do not usually take the trouble to remark about this kind of thing, the number of oral and written comments that we have received from time to time indicates that our parties go about their business in an exemplary manner.

This is not all of the picture, either. A great many Western families enter into civic and community activities wherever the party is located. Their children go to the local schools. Despite frequent moves, a striking percentage of these youngsters are at the top in their classes. Parents join the PTA, interest themselves in church work and youth activities, such as Scouting, and join hobby and sports groups. Not all families are equally outgoing, of course, but Westerners seem to be uniformly regarded as good neighbors, both in business and personal affairs.

We should all appreciate this for several reasons. In the first place, it is good public relations for Western in areas where our parties may be working intermittently over a period of years. It reflects favorably on Western personnel coming into a community where the Company is already known. More important still, the maintenance of good public relations is beneficial to client relations. Part of our obligation to our clients is to make sure that our operations are creditable to their own good reputations.

This is "company loyalty," an interesting term that describes the attitude of the great majority of Westerners. Webster says that a company is "an association of persons banded together for a joint purpose." In our case, geophysical exploration. So company loyalty is not directed to a mere document or charter, but to the whole "association of persons" that comprises Western Geophysical Company. Loyalty extends to each individual in Western's spirit and purpose. The standards by which we measure our technical and professional performances, our traditions, and our leading position in the industry.

Since each of us is the custodian of all that has brought us to our present position, we are bound to keep up the good public relations. We are all Westerners. If it is true that "a man is known by the company he keeps," it is also true that "a company is known by the men it keeps." You have made Western famous in many parts of the world, and I am proud of the way in which you are displaying your loyalty to yourselves, your fellow workers, our clients, our ideals and traditions of a free people.
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indicates the great majority of West-
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Contributors:

Story
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ONCE AGAIN Party 74 has trekked to the Middle East via the “sun lanes”—across the Mediterranean Sea, through the Suez Canal, down the Red Sea, along the Indian Ocean, and up the Persian Gulf. Without a doubt Party 74 can claim more Mediterranean crossings than all other Western marine crews combined. The new area of
operations—the sheikdom of Kuwait.

Leaving the sun-basked banana plantations of the
Canary Islands for the sun-bleached desert of Kuwait calls
for adaptability, and one proof of
Party 74’s adaptability
was the make-up of its crew. To it came Italians from
Western in Italy, Americans and Iranians from Western in
Iran, and Americans from Western in the United States
to mingle with its Americans and Spaniards from Western
in the Canary Islands. All told, 35 people complemented
the three-boat operation of Western in Kuwait.

Upon reaching Kuwait the Westerners found the city
in the process of a grandiose face-changing boom that
truly surpasses the imagination. Four-, five-, and ten-story,
steel-enforced, concrete edifices are replacing the straw-enforced mud compounds. Asphalt-paved, car-jammed super arteries are replacing the sand-packed camel trails. Scores of shiny, new, interior-decorated department stores are replacing the centuries-old, worn, and battered bazaar stalls. New, impressive government buildings, new parks, new villas, new theaters, a new, completely equipped port area, and an almost completed, new, international airport are more of the visible changes. What is remarkable about all this is that it has taken place during the past two or three years!

The old, mud-brick-walled village long ago burst its confines, but in grass-covered "round-abouts" are monumentalized the high entrance gates to remind all of the past. The old, compactly lived area of Kuwait, New Street, and its adjoining labyrinth of bazaars are being razed by bulldozers, but Computer Gianfranco Milvio's poignant description captures the fleeting experience of a visit to the bazaar.

Bazaar, the most typical example of the old Arabic world. The bazaar in Kuwait, as in almost all of the Arabic countries, is in the oldest part of the town. Here is a group of rectangular-shaped, mud-and-straw adobe houses, without street windows. All are of the same brown color, and most have terrace roofs and strange towers. Through this complex of houses run many intricate, narrow streets, some of which are covered to protect people from the summer sun. Side by side on these streets are the doors to the shops and to the peculiar houses. These doorways occasionally are interspersed with the door of an old mosque, with its minaret that dominates the whole quarter.

A European man who goes into a bazaar generally finds exactly what he does not expect and seldom what he hopes to find. He is invariably attracted by the long series of small, strange shops that are selling a myriad of things, most unusual and incredible. It is difficult to believe that these goods can be kept in such a small place. The merchandise ranges from the cheapest to the most expensive—with a mixture and a confusion that delights the visitor not accustomed to this world.

For example, as he wanders along, he sees a shop with one-dollar shirts next to a jewelry shop displaying thousand-dollar rings, brilliants, and pearls, with shops in the same disorder; then a "money changer" packages of money from every country stacked like a carpet (Arabic people do not use chairs and tables); next a cheap salon followed by an excellent German camera shop, peer furniture, and old guns shop. Hundreds of people—sidewalk vendors, buyers—are moving about and selling in these narrow lanes. Some are getting business, some are passing the time looking around. Others are sitting on the floor or ground conversing (right) or smoking their bad-smelling water pipes.
In a novel where all one sees is not real but is the fantasy of a writer. From the bazaar area it is very difficult to believe that just outside is a new world, with modern and many-storied buildings rising, and a parade through Kuwait of the royal family in the cabinet rank posts, and down the multi-national technical advisers and employees. All of the revenue from the immense oil production goes to the treasury to be doled out for budgets, public works, salaries, and the like as in all governments. There is no working-force unemployment. By government law businesses are at least 50%-owned by Kuwaitis. All are sitting on the floor of a small, dark room, smoking the long and bad-smelling water pipes. This is a world in which everybody likes to spend his time dreaming of an age he never again can experience.

Back in the "modern world," the visitor finds that the nature of the Kuwait government descends from the Koran. As Salim Al Sabah, to the active workers in the cabinet rank posts, the serving of coffee in one of the King's white Cadillacs ride past Party 74's office. It is known that it signified the celebration of a marriage. As is to be imagined, since Moslem law forbids Arabs to touch liquor, it is not openly sold. Instead, a non-Moslem visitor obtains a ration card. As Westerners fell in the non-resident class, we were allowed to purchase from the liquor store the maximum of 18 Kuwait dinars per person per month. Translated in terms of total monthly allowance for the 35-man crew this would have been 5,040 cans of beer, or, on a per-man basis, four bottles of Scotch and six cases of beer. The party chief rations in four months. As about one third of the revenue from the immense oil production is day and age one is enough. The marriage reception, like most Arab meetings, is divided—the women at the bride's house, the men at the groom's house. Each house is colorfully decorated with strings of light much like our Christmas tree lights. This sight baffled Westerners until it was known that it signified the celebration of a marriage.

Another custom is that at official formal daytime receptions the serving of coffee is the signal for guests to drink and gracefully leave. During the day if coffee is served at business meetings, one must shake the small coffee cup several times to signify to the servant that no more is desired.

The local dress for men is the deshdaasha (gown in cotton or wool), with chiya (cotton head dress) and eekal (rope-like band to hold the headdress), and on cool evenings the besht (light or heavy woolen cape) is worn. For the women Western clothes are worn but are covered with a black habbaat (robe) and the wearing of the hushiya (veil). The use of the habbaat and the hushiya is gradually lessening, as evidenced by the younger generation.

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A new currency, the Kuwaiti dinar, was issued in May...
The dinar is divided into fils, with 357 fils to the dollar. The coins are in fils denominations of 1, 5, 10, 50, and 100 and the paper in dinar denominations of 1, 5, 10, 20, and 50. In the interim period everybody was carrying rupee-dinar conversion tables, mainly to help the shopkeepers make change.

One of the largest sea-water distillation plants in the world is located in Kuwait, for until recently no sweet water was available. The pure water is stored in enormous metal reservoirs located at key points about the city and water was available. The pure water is stored in enormous metal reservoirs located at key points about the city and water was available. The pure water is stored in enormous metal reservoirs located at key points about the city and water was available. The pure water is stored in enormous metal reservoirs located at key points about the city and water was available. The pure water is stored in enormous metal reservoirs located at key points about the city and water was available. The pure water is stored in enormous metal reservoirs located at key points about the city and water was available. The pure water is stored in enormous metal reservoirs located at key points about the city and water was available.

A few months ago King Saud of Saudi Arabia paid an official visit to Kuwait. The arrival of this king, the richest in the world, was celebrated greatly by the Kuwaitis, not only because he is to them a great-hearted ruler but also because he has the habit of throwing handfuls of gold coins to the applauding crowds from one of his Cadillacs.

In case the reader is wondering if working in Kuwait is hot—it is hot. In fact, it is so hot that one who wears metal-frame glasses runs the risk of singeing his eyebrows. Those who would expect very little rain would be correct in their assumptions; when it does rain, however, they should not drive their cars. They run the risk of floating to sea!

Heading this group of Westerners, Party 74, who have observed this small but fabulous sheikdom of Kuwait and its people and customs was William C. Calabrese. The co-ordinators, Phil Murray and Charles (Slick) Willmuth were fascinated by the surprises of Kuwait but nostalgically recalled Las Palmas. Observer Jim Squires had no comment. He kept his impressions—and moans—for the much hoped-for trip to Beirut, Lebanon. (Rumor had it that the Company was to give the crew a break in Beirut.) Another member of the crew was Cecil R. (Columbus) Destra, veteran of water crews. Cook George (Wise Old Man) Ebeneboch especially pleased the Italians, Observer Antonio (Shorey) Simoncini, Computer Gino Banzzi (Gino Mac De Brazil), and Computer Enzo Bovaia (Ciuffettino, by cooking Italian foods three times a week.

Shooter Jerry Elmore, while transferring his instrument from the Buell Creek to the Red Creek, found time to build, with the help of Shooter Cesare Palombo, a small shooting mansion much larger and better than the old shack. Mark Hudson, reconnoitering boat specialist, seemed to be telling of his African adventures. Kuwait seemed an unexciting place for Helper Bob Shaw's first foreign assignment after all of the tales he had heard from places like Las Palmas, Italy, Spain, and other countries. Cook Mauro Brignoccoli for a long while helped with other tasks but returned to his galley stove to prepare lasagnas. Henry Bower also worked in the rec­ room. And everybody knows everything about Soldier Jesse Hammond.

The rest of the crew is comprised of Iranians from Korrhamshahr. The following are their names in alphabetical script:

Kobesh Arsi
Jabber Salmen
Mohsen Sharifi
Ali Khaharabai
Said Shubber
Kazem Abud

The Litton Store
Electro

LITTON INDUSTRIES, INC., $200-million electronics-based corporation eight years ago was continuing its planned growth, had acquired microwave tube research and facilities in San Carlos, California, where other power tubes of the highest quality are produced. The organization that now constitutes the division of Litton Industries began when C. Calledare, an electronics expert, became vice president of Litton Industries and got the Electron Tube Division; Roy E. Wren, vice president of Litton Industries later became president, and Paul W. Craig, technical director, new product developments of the division have included such devices as the M-type Backward Wave Oscillator, the M-type Colpitts Oscillator, and the M-type Push-Pull Oscillator. Cook Mario Brignoccoli for a long while helped with other tasks but returned to his galley stove to prepare lasagnas. Henry Bower also worked in the recreation room. And everybody knows everything about Soldier Jesse Hammond.

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The Litton Store
Electro
The Litton Story:
Electronic Tube Division

LITTON INDUSTRIES, INC., a $200-million enterprise that is continuing its planned growth, has its inception as an electronics-based corporation eight years ago with the acquisition of microwave tube research and manufacturing facilities in San Carlos, California, where magnetrons and other power tubes of the highest quality were produced.

The organization that now constitutes the Electronic Tube Division of Litton Industries began when Charles V. Litton, senior engineer with Federal Telephone and Telegraph Company, formed his own concern on the San Francisco peninsula. First success came with the development of the first practical glass-blowing lathes used in vacuum-tube production.

By the time of the acquisition, a strong management team had been built, which included Dr. Norman H. Moore, now president of Litton Industries and general manager of the Electronic Tube Division; Roy E. Woenne, who is now division technical director.

New product developments of the Electronic Tube Division have included such devices as the traveling-wave tube, the M-type backward wave oscillator, the Barratron, stations of the cathode ray tube, gas-needle sources, a family of miniature magnetrons, and tube accessories.

New applications, too, have boosted activities in San Carlos. The continuous-wave magnetron, for instance, is adapted for use as a cooking and heating unit. Recent statistics of these units are being supplied to the Tappan company as the power source for microwave cooking units. It is expected that domestic and commercial cooking will be revolutionized by the use of microwave devices within the next few years.

The Tube Division operates on a line and staff basis, with these four departments: crossed field, linear beam, research laboratory, and display devices.

The last group is engaged in the development and production of cathode ray tubes and supporting equipment.

Although the television picture tube is the best known cathode ray tube, there are many other types and uses put to work by Litton engineers, such as information storage, direct writing and facsimile processes, pickup and display of color, characters, or high-definition pictures, and ultrasonic transducers.

The past eight years have seen the Litton Industries' Electronic Tube Division grow in step with the entire Litton complex. Facilities were expanded from approximately 30,000 square feet to more than 200,000 square feet in San Carlos. Employment steadily grew from 50 employees to more than 1,200. The Division's product line enlarged from approximately 12 tube types in 1951 to more than 500 devices today.

Within the past year the Electronic Tube Division has broadened its marketing coverage by entering licensing agreements with three foreign electronics firms: Kobe Kogyo Corporation, Kobe, Japan; and Elliott Brothers, Ltd., London, England.

The Tube Division, a proud member of an ever-expanding electronics complex representing Litton Industries, Inc., is now recognized as a leader in its field. Achievements have been many. Latest, but not the least, is a report issued in June that Litton is the leading producer of the 10-foot klystrons, which are the heart of the vital Ballistic Missile Early Warning System (BMEWS).

Facilities, equipment, and first tubes were completed in less than one year after receipt of a $7-million contract.
From 'Cow Town' to 'Oil Town'

CALGARY and Its STAMPEDE
The first "show" was held at the site of the present Exhibition grounds in September 1912, and the site has never been changed. The Duke of Connaught, son of Queen Victoria of England and then governor-general of Canada, officially opened the fair. It was not until 1923, however, that the Stampede became a regular part of the Calgary Exhibition. As might be expected, the first year it ran through most of the events; but Calgarians will tell you that was the last time it ever rained during Stampede Week, which is in mid-July.

The Stampede program includes championship cowboy contests for North American titles; horse racing with parimutuel betting; a livestock show; an Indian village; a midway; a full-scale, grandstand, vaudeville program, with a fireworks display for added measure nightly; a special children's day program; thousands of manufacturing, domestic, and industrial exhibits; and the electrifying, world-famous "Rangeland Derby," or Chuckwagon Races, which attracts a yearly entry of over 32 muck outfits competing for a purse totaling in excess of $25,000.

All of the pomp and splendor is not at the Exhibition grounds, however, as almost as much entertainment and excitement is provided outside the grounds as inside the gates, and the zest of "the Stampede" gushes through the city, its streets, and its peoples' veins. Although a month-long campaign is conducted during June to determine a Stampede Queen, "Stampede Week" officially opens with the mammoth parade through downtowm Calgary beginning at 9 A.M. on Monday. Bright and early every morning, Tuesday through Friday, the range outfits are located throughout the downtown business section of the city to serve visitors breakfasts of flapjacks, bacon, and coffee free of charge from the battered stoves on the tailgates of their chuckwagons. In fact, the entire
The grounds of Calgary's famous Stampede are shown below, with Indian Village tepees in lower left corner. This week-long event attracts a half million visitors.—Photo courtesy Calgary Exhibition & Stampede, Ltd.

The Stampede in Calgary is a ten-day event from the Thursday before the last Tuesday in July until the following Tuesday. It is considered one of the most famous rodeos in North America and is a major tourist attraction. The grounds of the Stampede are located in downtown Calgary.

During the Stampede, the grounds are filled with various activities and events. Among the highlights are the Indian Village, which attracts half a million tepees in Calgary's Stampede week. This is a special event chosen by the Calgary Exposition and Stampede, Ltd.

The Indian Village is set up within the grounds of the Exhibition and Stampede grounds, and chosen members of these Indian tribes live throughout the week. This is one of the most dangerous rodeo competitions.—Photo courtesy Calgary Exhibition & Stampede, Ltd.

At the Indian Village, there are various activities and events. The tepees are decorated in a variety of colors, and the native dress is worn by the participants. The event is a unique experience that celebrates the culture and traditions of the indigenous people.

In addition to the Indian Village, the Stampede also features various rodeo events and competitions. These include bronc riding, bull riding, and wild-horse racing. The chuckwagon races are also a popular event, with teams competing in races that are powered by the pounding hoofs of horses sensing urgency in the race and piloted by a driver who has eight reins and his life in his hands.

The Stampede is also known for its nightly performances, which feature a glittering, star-studded stage extravaganza in front of the grandstand and featuring novelty and comedy acts by top names in the world. The audience at the Stampede in 1960 was 90,000, a total attendance of approximately 600,000 for the six days.

The Stampede is a celebration of Western culture and traditions, and it is a major tourist attraction in Calgary. Every year, the Stampede draws visitors from around the world, and it is considered one of the most important events in the Western Hemisphere.
takes on the appearance of a gigantic yard. The streets are roped off from automobiles, and cowboys, square dancers, singers, and dancers move in for three hours of impromptu Western garb is prevalent. But note that at principal points to enact various tribal dances, gaily colored teepees, is set up within the grounds. The streets are roped off from auto­ trical entertainment experience of one's life. Stampede Week concludes Saturday with the finals in all events and the presentation of awards and prizes at the annual ceremony of breaking camp on the grounds. The average daily attendance at the Stampede in 1960 was 90,000, and this year the total attendance of approximately 600,000 was expected at the six days. Demand for official films of the Calgary Stampede is so great that no less than five copies make the rounds every year. They have been shown in London, Paris, West Germany, Rome, Madrid, Australia, South Africa, and South America and were even enthusiastically received in India. Songs have been written about them. Books have been written about it, and scores of motion pictures have been made. It attracts newspaper and magazine writers from all parts of the world.

As these writers and visitors travel to the Stampede, they are not the parkas-clad trappers and Eskimos that they may have envisioned, but rather a different type of land and city. As they pass, the city's center chatters to the din of steel fabricators' shops, the local newspaper and magazine writers from all parts of the world.

As these writers and visitors travel to the Stampede, they are not the parkas-clad trappers and Eskimos that they may have envisioned, but rather a different type of land and city. As they pass through the gates, they see the city's center chatters to the din of steel fabricators' shops, the local newspaper and magazine writers from all parts of the world.

The Calgary Stampede has accounted for Calgary's phenomenal growth in recent years. In 1914 oil was discovered just south of Calgary, at Turner Valley, and a new era of prosperity began. It was not until the discovery of oil at Leduc in 1947, however, that Calgary catapulted into the news and a boom was sparked.

This new petroleum industry meant that the "wild West" days of the earlier part of the century were over. The city's center chattered to the din of steel fabricators' riveters and thundered to the roar of cement trucks, cranes, and all the bustling attendant upon the construction of new office buildings. The skyline of the business section underwent remarkable changes, and Calgary-town caps out of the bottom land of the Bow and Elbow Rivers, spilling into the pasture and farm land in every direction, to grow into the ninth largest city in Canada. Today Calgary is one of the most amazing modern cities on the continent. A city with mile after mile of new residences, having...
doubled its size since 1949, Calgary has attacked its growing pains with zeal. Industrial subdivisions, new buses, new schools, new clinics, clover-leaf interchanges are all evidences of solid planning. Calgarians are civic-minded and doubled its size since 1949, Calgary has attacked its growth with its re-created prehistoric monsters; Canada's only inland aquarium, a private undertaking; the magnificent auditorium, a five-million-dollar gift from the provincial government, which was made possible primarily from oil revenue; and beautiful McMahon Stadium, an eloquent
evidence of the generosity of two of Calgary's "living citizens for whom its name is given.
Since the discovery of oil and gas in the Turner Valley in 1914, Calgary has solidly consolidated its position as the "Oil and Gas Capital" of Canada. Nearly 400 are directly connected with the oil industry, of which West Geophysical of Canada is one, have their headquarters in Calgary; and the industry is estimated to be directly responsible for 55% of the city's population gain during the decade. According to the Calgary Herald, this has not been unlike any decade Alberta has known before. Calgary's oil companies spend about a million dollars a year on Canadian goods and services.

Calgary, as center of this activity, is home of the second largest industry in Western Canada in terms of employed and locally-generated revenue. Over 96% of the employment of the oil and gas business in Calgary is Canadian; and the total estimated population group directly associated with the industry (measuring about 30,000) has given a significant "lift" to local bank clearings, which are in fifth place among the cities of Canada. (It is interesting to note that no less than 37,000 United States citizens, nearly all directly connected with the oil industry, live in the city of Calgary.) Calgary is surrounded by natural gas fields and, with a program of very large-scale gas export to the United States and Eastern Canada, the significance of the oil industry is unmistakable in its impact upon Calgary's economy.

With a past of only 80 years of expansion and development in all fields, Calgary now looks forward to a future of promise and prosperity. The city of the foothills is a friendly and energetic community, known abroad for its Splunkers. The journey inland is a good place to visit with an enviable reputation for "Western hospitality."

The Calgary area, with its gently rolling foothills, is ideally suited for good golf courses. To its citizens Calgary is known as "a good place to live."—Alberta Government Photograph.

McMahon Stadium, seating 23,000, was built of prefabricated concrete sections to less than 100 days and features every modern innovation. It is located to fit in with the campus of the new University of Alberta's Calgary Branch.—Alberta Government Photograph.

The Splunkers were at it early this year; and the splunkers referred to here are W.C. Baker, Bill Hatton, Claude Kerry, and members of Party R-5 in Shreveport, Louisiana. These four "early birds" embarked upon a quest to explore a reported cave in the Kisatchie National Forest, near Natchitoches, Louisiana, some 70 miles away. The journey carried the men through the hillsides. The big boulders here are the popular conception of Louisiana as being marshy and alligators. Through the cave the men explored, 300 feet long and yielded no buried treasure, except the view of some wonderful geological and historical, for here was the land of the first-traveled land in the United States, the first to be mapped by explorers.

Kisatchie National Forest itself encompasses 5000 acres of beautiful virgin pines, wild fowl and waterfalls, with outcrops of the Catahoula Limestone. The journey carried the men through the hillsides. The big boulders here are the popular conception of Louisiana as being marshy and alligators. Though the cave the men explored proved to be a natural sink, the view of some wonderful geological and historical, for here was the land of the first-traveled land in the United States, the first to be mapped by explorers.

The Splunkers F-5-W. C. Baker, Bill Hatton, Claude Kerry, and Jc members of Party R-5 in Shreveport, Louisiana. These four "early birds" embarked upon a quest to explore a reported cave in the Kisatchie National Forest, near Natchitoches, Louisiana, some 70 miles away. The journey carried the men through the hillsides. The big boulders here are the popular conception of Louisiana as being marshy and alligators. Though the cave the men explored proved to be a natural sink, the view of some wonderful geological and historical, for here was the land of the first-traveled land in the United States, the first to be mapped by explorers.

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generosity of two of Calgary’s "own" summer is given.
very of oil and gas in the Turner Valley, which has solidly consolidated its position as Western Canada's "Capital" of Canada. Nearly 410 firms are connected with the oil industry, of which Western Canada in one, have their headquarters in the city. The oil industry is estimated to be directly responsible for the city's population growth during the past decade Alberta has known before. "Calgary, surrounded by a diverse landscape and services."

Mary of this activity, is home of the second largest oil and gas business in Calgary are Canadian Total estimated population group directly connected with the oil industry (numbering about 50,000), is estimated to have spent about a million dollars a day.

The industry (numbering about 37,000 United States and Eastern Canada, the oil industry is unmistakable in its impact on the economy)

only 80 years of expansion and development, Calgary now looks forward to a future of prosperity. The city of the foothills is a rugged community, known for its sunny climate (possible site of 1968 Winter Olympic Games industry, its spectacular Exhibitions and its big-breasted white, "ten-gallon" hat). Calgary is known as "a good place to hang your hat" and branded with an enviable reputation of hospitality."

The S P E L U N K E R S were at it early this year! Spelunkers, for the benefit of the "layman," are cave explorers, and the spelunkers referred to here are Westerners Zane Baker, Joe Shivers, Claude Kerry, and Joe Shivers, all members of Party R-5 in Shreveport, Louisiana, at the time. These four "early birds" embarked upon a trip in late April to explore a reported cave in the Kisatchie National Forest, near Natchitoches, Louisiana, some 70 miles from Shreveport. The journey carried the men over some of the finest-quelled land in the United States significant in both legend and history. Kisatchie National Forest itself encompasses some 547,000 acres of beautiful virgin pines, wild flowers, streams, waterfalls, with outcrops of the Catahoula sandstone edge the hillsides. The big boulders here and there defy the popular conception of Louisiana as being the land of swamps and alligators. Though the cave the men explored proved to be only a few feet long and yielded no buried treasures, the trip was rewarding in the viewing of some wonderful scenery, both logical and historical, for here was the land of El Camino Real and is known today as "The Cradle of the Mexican War." At this same fort two young officers, named Robert E. Lee and Ulysses S. Grant, spent long months on garrison duty.

Here agents of Aaron Burr hatched their ill-fated scheme to slice off a great segment of the Southwest and create a new American republic. Here the original "Uncle Tom" and the original "Simon Legree" reputedly lived and died.
and their graves may be seen on the same plantation, along with "Uncle Tom's" restored cabin.

Finally, El Camino Real's major city, Natchitoches (pronounced Nak-a-tish), is the oldest city not only in Louisiana but in all of the territory included in the original Louisiana Purchase—an area that encompasses about a third of the United States.

American armies followed the El Camino Real when the young nation bought the territory from France, and United States soldiers found themselves occupying a territory with no fixed boundaries. That led to an agreement with Spain that created a neutral strip extending along both sides of the Sabine River, and into this nebulous no man's land poured every imaginable kind of cutthroat, highway robber, and outlaw. Travelers were without protection from either the American or the Spanish armies, and hundreds of them fell victim to roving gangs of land pirates.

This has given rise over the decades to El Camino Real's tantalizing reputation for buried treasure—a legend so steeped in probability that there is at least one ongoing buried-treasure excavation going on all of the time.

Natchitoches had its beginning in 1714 when French soldiers established a trading post on the banks of Cane River. Sometime in the early 1800's the Red River filled itself back up and is known today as Cane River. The Westerners toured Natchitoches, which began in 1714, and saw among its old homes the Williams Home, which is still inhabited.

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...
Party Pickings

To the northeast another impressive landmark towers the normal silhouette of the mountains. About five miles east of Natchitoches, 1800's Arkansas picked up along Cane River Lake, drive in present-day Natchitoches, likely New Orleans in sports—oundary architecture, with heavy doses of dirt, grit, and enclosed patios—where a customs survive. The main part of the Red River picked up along Cane River Lake in December is the locale for one of the most popular fireworks festivals. The event attracts approximately 50,000 persons.

Party 68 — CHICO, CALIFORNIA . . .

The party said that there is at least one organized group going on all of the time. It is a reminder to us of the need to keep working to ensure that our eventual enslavement, and the Red River picked up along Cane River Lake, drive in present-day Natchitoches, likely New Orleans in sports—oundary architecture, with heavy doses of dirt, grit, and enclosed patios—where a customs survive. The main part of the Red River picked up along Cane River Lake in December is the locale for one of the most popular fireworks festivals. The event attracts approximately 50,000 persons.

Party 68 — CHICO, CALIFORNIA ... 68

In nine continuous years of operation, Party 68 has made six of the eight ships since joining the crew at Taft, California, in January 1960. Who can improve on that score?

At this writing, the crew has been settled among the 100 other residents of Chico for nearly half a year. Geographically we are located in the upper reaches of the Sacramento Valley, an area of tremendous interest to the current prospecting for natural gas reserves in this district exceeds the intensity of even the historical California gold Rush of 1848 and 1849.

When Party Manager ARNOLD GUESS and Assistant Supervisor JIM GRISWOLD arrange a cable layout to the maximum attention is focused on the abrupt termination of the mountain plain a few miles distant. This is the point where the Sierra Nevada strike north and east to join and form the mighty Cascade Range, which leads on throughout the Pacific Northwest.

Frequently Party 68's drilling rigs are so arranged that the picturesque scene of the snow-covered 14,000 feet of Mount Shasta at the head of the valley. The controls of the chattering rigs are Drillers WARREN TOPE and JIM MOORE and the controls of the square-point shovels are Helpers BRUCKER and TOM SMITH, who find it amusing to see so much alluvial gravel can come out of one little hole. To the northeast another impressive landmark towers above the normal silhouette of the mountains. About 50 miles from Chico, Mount Lassen is unique in being the only active volcano in the continental United States. As late as 1915 it has erupted with violent destructive force. For miles around on the surrounding slopes the treeless surface is covered by basalt "bombs" from six inches to three feet in diameter. Fortunately, the only active sign of vulcanism at present is the volumes of steam and sulphurous hot water pouring from several fissures on the mountain's southeast flank.

For the sportsman the Sacramento Valley is a great attraction. Weekends will find Permitman CHARLIE (SLIM) EWERT on a nearby mountain stream filling his creel with rainbow trout or on the banks of the meandering Sacramento River struggling to land a 40-pound salmon. Whenever Shooter HARRY MEEKEE fires a shot, the disturbed cackle of big, bronze-breasted pheasants can be heard from a multitude of hiding places in the adjacent fields.

But it is not all so pleasant. At this writing we are overwhelmed by the usual blast furnace of summer heat. Our carefully shaded thermometer battles to stay below the 115-degree mark, and the image in Surveyor Ray NESKOW's transit is blurred by rising heat waves. There it is, however, some psychological relief as Rodman HENRY PRIETO points out the cool, dark green of the ponderous pine forests high on the face of the nearby mountains. You can picture the herds of black-tail deer comfortably brows...
ing in the mountain meadows just below the jagged white peaks of the Trinity Alps to the north. There, the winds blow down from the frozen peaks to the valley below. We shall find ourselves looking out across the Pacific Flyway, where millions of birds follow the migration patterns of the nation. At such times it is well to recall that a town named for its founder, John Bidwell, as the natives tell us. We cannot figure that one out either. Party 68 wishes also to extend best wishes to all its friends and ex-members throughout the Western sphere of activity.

"A few miles out of Chico, California, is the remains of an early-day gold mill. The Party 68 photographer took this picture from a seldom-used mountain trail overlooking the ravine in which the buildings are located. Snow and winds have taken a toll on the mill, but it is still filled with pine needles, which served as mattresses. We believe the headdress of apparatus for a place such as this would be circa 1900."

**PARTY F-5 — FOGGIA, ITALY**

STORIO D'AMBROSIO, Reporter
VINCENTO FERRONE, Photographer

Party F-5 moved from Roseto degli Abruzzi to Benevento in June 1959, stayed 10 months in Benevento, and then spent the following 10 months in the hilly, cool, and wet Molise region, with headquarters in the nice town of Campobasso. We are now in the Puglia region, which is flat, hot, and dry; and our headquarters are in Foggia, a town not new to us since we were here in 1956. The local wines we remember from then are still here—in maybe better ones. All of the crew of members, and especially those who have brought their wives and children with them, hope to stop here for a while.

It is somewhat difficult to speak of the Party F-5 members because of the changing nature of the personnel. Party Chief Ezio Trucchi, Chief Computer ETTORE D'AMBROSO and FRANCO BACOTELLI, Drs. FRANCESCO BEZZI, with Helper ARMANDO DI SPADA; and Shooter RENZO FONTANA are the permanent staff. Among the semi-fixed staff are: Observer VINCENZO PETRICOLA, who was married last December to LUIGI SPADA; and Surveyor ANTONIO BAROZZI, who has to be hard with the farmers to convince them that a few square meters of trampled wheat is nothing in comparison to the future of Italian oil.

Recently arrived from other crews are Drillers STORIO D'AMBROSIO, the latter the property owner of a "1300" Enide Simca car, and SERGIO SPERANDINI, whose adventure with a tick in June stung him in the head kept us in pain for two days.

Just back from a marine crew in Iran is Chief Computer VINCENTO FERRONE. We are using him as junior observer.

As our usual junior observer, LUIGI SPADA, has to wait until there will be actually more than a million ducks in the sky at one time. With that in mind, we shall say "so long" from Chico, a town named for its founder, as the natives tell us. We cannot figure that one out either. Party 68 wishes also to extend best wishes to all its friends and ex-members throughout the Western sphere of activity.

Party F-60 moved from Roseto degli Abruzzi to Benevento in June 1959, stayed 10 months in Benevento, and then spent the following 10 months in the hilly, cool, and wet Molise region, with headquarters in the nice town of Campobasso. We are now in the Puglia region, which is flat, hot, and dry; and our headquarters are in Foggia, a town not new to us since we were here in 1956. The local wines we remember from then are still here—in maybe better ones. All of the crew of members, and especially those who have brought their wives and children with them, hope to stop here for a while.

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from Roseto degli Abruzzi to Benevento is a pleasant place in which to settle down and raise children with them, hope to stop here for a few squi...[image]...m. It is famous for its defense by 13 Italians against 13 French soldiers of fortune around 1100 (we were); Trani, which has very good wines; and Castel del Monte, then an old castle overlooks the surrounding country for many kilometers.

We spend the major part of our time working. For the time we can choose between the fine beaches around the Gargano promontory, 40 to 100 kilometers away, and the little towns south of Foggia. These include Barletta, which is famous for its defense by 13 Italians against 13 French soldiers of fortune around 1100 (we were); Trani, which has very good wines; and Castel del Monte, then an old castle overlooks the surrounding country for many kilometers.

Some Party F-5 men pose near Foggia, Italy, for the PROFILE. (From left) Armando Di Cotta, Sergio Centonelli, Luigi Valbonesi, Eyewitness Terrazzano, and Adriano Sperandini, Antonio Barozzi, a local sire, Francesco Beati, and three more locals.

ARRIVED AT THE BEGINNING of the summer season when there are 36 days of continuous daylight.

The country is flat, with meandering streams and sloughs throughout and covered with light timber and muskeg flats overlying the permafrost. Tracks of timber wolf and arctic fox, along with actual sightings of bear, caribou, and moose, attest to the wild life in the area.

Although the shot line is through bush and timber, it is hand cut with chain saw, axe, and machete by E. V. (Beaver) Nelson and Mike Wheatley, with partial...[image]...and tent is situated by the Porcupine River, just north of the Arctic Circle, - a view can show in tent...-that is, if it is summertime. These are the sleeping quarters of Party F-50. The head, standing in the tent door on the left, is Dennis Burke; smoking, near center, "Red" McConnell; and leaning on, Great Siene. The "fly" above Grant's head is the helicopter that furnishes transportation between the field and the Fort Yukon base.
In the hands of Mechanic FRANK and his assistant, Jim Neis, in laying out or picking up the cables. Additional help is supplied by STAN MEDFORD.

The buggies on the crew are kept in running order by Driver JIM and wife ETHEL were visitors to Fort Yukon, Alaska, on July 4 for an outdoor gathering and picnic. All except Jack flew to Fort Yukon from Anchorage while he flew in from Party F-60's camp for the reunion with his wife.

Chief Computer ARNOLD AYLESWORTH has again been awarded a Society of Exploration Geophysicists scholarship this year. A nine-year veteran of Western, ARNOLD is entering his final year in electrical engineering—electronics.

On June 22 Party 7 celebrated 17 months in Moab, Utah, the Uranium Capital of the World! During this time there have been as many as 20 exploration crews in town and never less than 12. This summer a potash mine is being constructed at Cane Creek Antcliff, a well-known potash logic feature a few miles down the Colorado River from Moab. As a result of the mine, a new road to the site and also a railroad spur are being constructed in the Jurassic to the potash location. Also a movie, "Canyon Charo," starring John Wayne, is being filmed in the Moab area this summer. A 23-building set was constructed in the filming at Fishers Towers, noted scenic attraction about 25 miles from Moab, upstream along the famed Colorado River. For a town of 6,000 population, things are booming; costs are high, and living accommodations at a premium, half of the population lives in trailers.

Party Chief VIC SMITH was president of the Wyoming Bowling League and has recently renewed his "hamb" license. This summer his wife GWEN read for the Children's Story Hour, the reading aloud of books on the library lawn once a week to children of four age groups, and also taught Bible School. In June the SMITHS left on vacation in Texas, via Denver, Colorado, where they had an air conditioner installed in their car.

You name it and Party F-60 has it — river, lake, swim, boating, fishing, hiking in canyons and mountains, "punches holes" in canyons and mountains, "punches holes" in canyons and mountains, "punches holes" in canyons and mountains, "punches holes" in canyons and mountains.
QAB, UTAH...

Party 7 celebrated 17 months in Moab, in Capital of the World! During this time as many as 20 exploration crews in town at one time. This summer a potash mine is being put into operation, miles down the Colorado River from Moab, upstream along the famed Fisher Towers, noted scenic attraction, is being filmed in the Moab area, and has recently renewed his reading aloud of books on the library lawn near the old barn, the latter being the stronghold of O. J. McPherson. In late spring, before vacations began, Party 7 was 4th in the regular league bowling and softball team has gone down in defeat each of the three games the team has played so far. But watch out next time, Party 7's bowling team in the Petroleum League came in fifth in the regular league bowling and fourth in the playoffs. Members of the team were Vic Smith, Charles Holmes, Niles Cruthirds, Bill Parker, and Jimmy Wilkes.

In late spring, before vacations began, Party 7's cat operator, Bill Boulden, and his wife invited the members of Parties 7 and 54 and their families to the Bouldens' ranch. Louise Brents and Bill Parker barbecued the two lambs Mr. Boulden supplied for the occasion. The Western wives brought other food, and the single men furnished soft drinks for the group. The afternoon was spent eating, playing softball, and loafing.

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WILLIAM H. REEVES, Reporter

FLOYD DAVIS and JOSÉ GATOSO MURGA, Photographers

When the article about Spanish West Africa (December 1960 Western Profile) went to press, Parties 95 and 98 were just arriving on the scene and thus could not give an account of their personnel, activities, and operations. With many months in the Canary Islands and Spanish Sahara now behind us, we can bring our Western colleagues up to date on these two closely knit crews.

The personnel of Party 95 gathered for the first time at New York's Idlewild Airport September 15, 1960. It was a midway point on their journeys from all over the United States to a new part of the world for them. Many old friends were re-united; but, more important, many new bonds of friendship were started.

The crew spent a six-hour period in Madrid, Spain, where there were many sights to see; but as most of the children were too young, hotel rooms were the main consideration of the tour. Delayed in leaving Madrid, we arrived at Las Palmas, Gran Canaria (Canary Islands), at about 2:00 a.m., but we were met at the airport by the wife of a Western supervisor, Mrs. Leo Dunn, and Senior Manuel Rafols Grau. Sr. Rafols had made hotel reservations for the entire crew and had a number of taxis waiting for us. Sr. Rafols, expediter for Western, then rolled up his sleeves and obtained Salvo Conductos (legal documents required for entry into the Spanish Sahara); and in the amazingly short time of two days the first group of Party 95 arrived, with the equipment, on the beach of the Spanish Sahara.

This first group of explorers included Party Manager Edgar O. McCutchens, Drill-Mechanic Amos Davis, Observers Don Meek and Roger Coker, Shooter Nuel Putnam, and Surveyor Ben B. Bedell. These men got a real taste of what desert life is like as they unloaded the trucks and trailers on the sandy beach and drove through the dunes on their way to their first camp site on the cap rock farther inland. If anyone doubts the hardness of this cap, just ask any Party 95 driller. They had not before seen the rock that necessitated changing their cups in a 20-foot hole. The rest of the crew arrived two days later by air. They included Drillers Rex Barton, Ray LaGarde, Richard Long, Ed Bender, and Joe Thoma, and Assistant Observer Jack Litchinberger. They wasted no time in establishing one of the finest camps in the desert and getting into production. Party 95 shot her profile six and a half days after the arrival of the crew in Las Palmas.

Meanwhile, back in Las Palmas, the office force was involved with the problem of getting the office and field equipment out of customs. Once this was accomplished, Party Chief Jerry Schuller and Chief Computers Bill Hudson and Bill Reeves took on the job of setting things up in what was to be their new home away from home.

In another part of the office, Party Chief Albert Kostashuk and his helper, Santiago Padron Rumm, were busy engaged with the wires and flashing lights that compose our modern Dual Display playback office. Glenn was later joined by Observer W. K. (Ken) Miller, transferred here from the marine crew, Party 74, and after the arrival of the equipment, Supervisor Leo J. Bedell came in from Biax, Spanish Guinea, and Cabinda where he had been supervising the operation of Party 74.

Party 98 arrived at Las Palmas on December 15. They included Party Manager J. B. Fullerton, Drillers Robert Gottfried, Mickey Nash, Ben Bedell, and Amon Long, with Photographer Roger Coker, Surveyor Ben B. Bedell, and Drillers Robert Mcllroy, and John Nash.

The Sahara Desert is not all sand and flat, scraggly-bushed area, the rocky terrain shows a variety of land types. Leaving the flat, scraggly-bushed area, the men found the rocky terrain above clay. Both were taken in the Spanish Sahara.
The Sahara Desert is not the old movies about the French Foreign Legion would lead one to believe. This Party 95 truth, goes through a type of reality, in the framework of the desert, that many Westerns would term "West-Texas type." Leaving this flat, scrubby-bush area, the front of the road turned to the right; both were taken in the Spanish Sahara.

The Sahara Project is not still used as the old movies about the French Foreign Legion would lead one to believe. This Party 95 truth, goes through a type of reality, in the framework of the desert, that many Westerns would term "West-Texas type." Leaving this flat, scrubby-bush area, the front of the road turned to the right; both were taken in the Spanish Sahara.
While their father, Party Manager Dieter Juergens, is at work nearby with Party F-63, Jesko, age 9, Sektem, 9, and Tatiana, 3, help their mother with the housework at a motel in Rocky Mountain National House in Alberta.

PARTY F-63 — EDMONTON, ALBERTA ...

DIETER JUERGENS, Reporter-Photographer

Short greetings from Western of Canada's short, short crew and all of its six members. Conceived last year as a highly mobile and compact crew, Party F-63 is back in business this spring with the same purpose: to provide our clients with an easily-moved unit for shooting a few miles here and there. Based in Edmonton, Alberta, we "spike" out for five days every week and return for the weekend.

Party Manager (and Surveyor) DIETER JUERGENS splits his office between hotel room, truck, and his home but has easy control over so small a crew. For helping with the layout of the first two cables every morning and the promise to return for picking up the last two, Chief Observer JOCK COULL lets him have the client trainee on the crew to serve as rodman in between. Working the shot point is Shooter JIM HENRY, and assisting Jock is Shooter BOB HOSTYN. Driller BILL HUCULAK and Helper DENIS DIONNE have not forgotten how to maneuver the drill in and out of difficult ditch setups after a winter of punching holes in the middle of bulldozed trails.

Social activities are limited to that good old male companionship during the week, and everybody scatters to various places called home for the weekend.

PARTY 20 — PECOS, TEXAS ...

PETE DANNIA, Reporter
BOB ROTON and JAMES GOODGAME, Photographer

Deadline time finds Party 20 located "West of the Pecos (River) in Pecos, Texas. The field crew is roaming West Texas plains as did the outlaws of the 1800's; though the stage routes and the dirt trails of those days have been replaced by the airplane and the superhighways of modern times, the setting remains much the same: sun, winds, sandstorms, hail, high temperatures, rattlesnakes, and sagebrush.

The social events of Party 20 for the past year are highlighted by a safety dinner, which took place at Eagle's Club on May 26. Receiving safety awards were Observer Rob Rotton, Permitm. Surveyor Jim Blair is caught in deep meditation at "West of the Pecos," location of Party 20 office crew takes a minute to be "shot" while Computers Pete Danna and Chuck Willia...
PECOS, TEXAS...

In those days Party 20 located “West of the Pecos,” Texas. The field crew is roaming the plains as did the outlaws of the 1800’s. Engineers and the dirt trails of their times faced by the airplane and the superhighways, the setting remains much the same: high temperatures, hail, high temperatures, rattlesnakes, and the dirt trails of their times.

The events of Party 20 for the past year were highlighted on May 26. Receiving safety awards were Observer Bob Monsey, Permitman Jim Blair, and Party Chief Ben Langston. After heartfelt congratulations were extended to the aforementioned, the remainder of the evening was spent listening to the tunes of our talented electric-guitar player and singer, Driller Don Sweety. Needless to say, everyone enjoyed the fine steaks, refreshments, and entertainment.

The skills and talents of other fellow crew members are noted. On the Pecos Municipal Golf Course, one can see the trio of Party Chief Ben Langston, Chief Computer Chester Smith, and Chief Observer Bob Monsey playing a never-ending grudge-game. On every crew there is one good poker player; ours is Party Manager Harris. In fact, John is so proficient in the art of poker that we are all considering pitching in and sending him to Las Vegas. Surveyor Fred Casanova is very much at home with listening to the vocal recordings of his wife, Antoinette, who is famous throughout Europe and Asia as an enco dancer, as well as a singer.

Bandit Observer Jim Monsey, Shooter Richard Ellis, Drill Helper Lee Diver, and Helper Harold Vejil will challenge almost anyone to a game of shuffleboard. There is some argument, however, as to who is the top among the “fearsome four.” Helper Allen (Frank) Diver will furnish any interested party with a pack of kangaroo rats. These tiny creatures have an insatiable appetite for our bright orange, portable cables. Maybe N used the cables as bait to snare his game.

Surveyor George (Buck) Little and family were raving in Mississippi at reporting time. He was expected to return with another batch of Confederate money. It is doubtful that he will be able to convince any unwary West Texan that it is better than Yankee money.

Computer Pete Danna spends his leisure time reading the Wall Street Journal and the latest tips on horse racing.

A warm welcome to the “Western Family” is extended to Surveyor Walter Greenwood. Walt hails from Mississippi, is married, and has two children. Also on the crew are Helpers David Vejil, Monroe Moore, Allen Chelf, Ronnie McLain, Charles Hawthorne, Don Ellis, and Dragolzo Lozano, all local men.

PARTY F-79 — CROTONE, ITALY...

Western Ricerche’s Party F-79 is now working out of Crotone, which is in the heart of the Calabria region, on the tip of the Italian “boot.” In mid-April men and equipment left Ricerche’s laboratory in Pescara and headed south to Calabria, going through the pleasant regions of Abruzzi, Molise, Lucania, and Puglia. On their journey the men enjoyed the attractive scenery of rugged moun-
tains, sunny plains, and open views on the Adriatic and Ionian coast.

This generous and hospitable country of Calabria, whose origins are lost in the past, welcomes the visitor from the Italian North with genuine warmth and an open heart. Ruins of the old world of "Magna Grecia" are still visible all around. It was here in Calabria that Pythagoras, the famous Greek mathematician, founded his celebrated school. A few kilometers from Crotone is the "Piccola Sila," which is a mountainous area recently developed as a hiking and tourist reservation and whose chief resort center is the much-advertised Mancuso Village. The area is full of scenic attractions and historic spots.

Except on weekends, however, the men are too tired at the end of the day to go around sightseeing. They usually close their day by engaging in dinner or an occasional dish of ice cream when the weather is particularly hot.

ROBERTO, in fact, worked this area with a Western pistol as long ago as 1950 and can, therefore, boast a man of a kind.

The crew is completed by the following persons recruited, with the exception of Computer Eustacio Santilli, in Crotone: Jug Hustlers GIUSEPPE DI PIRRO, PIETRO CARDACE, ANTONIO FIGLIUZZI, GIUSEPPE ROMEO, and DELIO BENITO BORELLI, and Drill Helper EUGENIO CAPELLO. Surveyor EDOARDO MACCHIA, the father of the little twins much admired in the "Piccola Sila," and Tourist Reservation Chief GIUSEPPE SANTILLI, whose origins are lost in the past, welcomes the visitor from the Italian North with genuine warmth and an open heart.

Before moving to Duchesne the crew stayed in Vernal, Utah, which was mostly all camping. Party F-79 was in Vernal, Nez and FAFAIRE and M. SULLIVAN, wife 3 children, and 1 daughter. The other couple on the crew was \( * \). Before moving to Duchesne the crew was in Vernal, Utah, which was mostly all camping. Party F-79 was in Vernal, Nez and M. SULLIVAN, wife 3 children, and 1 daughter. Party Chief HOMER HOLE, with Party F-79, visited Party Chief HOMER HOLE. On Sunday all of Party F-2, with the guests, had a picnic at the Dinosaur National Park.

In Crotone some Party F-79 office men visited the Pythagorean ruins: (from left) Corrado Cardace, Antonio Parise, and Fioravanti Tassoni.
G-2 is now settled in Duchesne, Utah. Located on Salt Lake City, Duchesne is a small town with a factor of 802 people, but the crew seems to be able to do everything it needs.

It is completed by the following persons with the exception of Computer Researcher:

Party G-2 is now settled in Duchesne, Utah. Located

Salt Lake City, Duchesne is a small town with a

802 people, but the crew seems to be able
to do about everything it needs.

The town of this size one would think that housing would

be a problem, but Surveyor Dick Stoops and wife Doris

Leonard Sullivan, wife Marie, and the FERRARIS moved into houses recently vacated by

the teachers. The other couple on the crew, Surveyor

Dick Stoops and wife Dora, and children, Jeanie

and Children, have no housing problem as they have a

trailer.

For G-2, the FERRARIS is a job in Utah, which was mostly all camp work. While

in Vernal, these Max and Marie FERRARI and children,

Keith Ferrai (foreground), Yvette Downey, and Donna Lyman. Keith Ferrai (foreground),

Legions racket in hand, to chase the sheds under the bench.

weather and threatening rain, everybody had

and Yvette recently added a tent to complete their

equipment and have been enjoying their weekend

with our local tennis court, and

This is his time on holidays and weekends riding in rodeos

returns to college this fall where he is study-

ing engineering.

Other recent rain seen by Party F-79 men in Croton

during the week of Giovane Lacinia Temple: (from left)

Fulvio Ga-romino, Antonio Rizzo, Benito Borelli,

and Giovanni De Leo.
PARTY 91 — ANCHORAGE, ALASKA...

JOHN MCDONALD, Reporter
OLIVE KIRIN, Field Photographer
JOHN MCDONALD, Office Photographer

The long Alaska winter is over, and the warm weather has finally arrived. The great outdoors is really the great outdoors when you have been cooped up for six months and "cabin fever" is getting hard to drive away. When summer does arrive, though, most of us agree that you can find a better climate or area in which to live and work.

Office force compare blisters from gardening and swap "green-thumb" stories. Draftsman John has a new lawn chair. Thus, with 18 to 20 hours of daylight, we can really keep busy. (You can work until 10:00 p.m. out here in Alaska.)

Of John and Joan. Below, Quin McDonald boys above; Party Chief C. M. Williams' eldest son of Lloyd Logan. Siblings are GLEN ARMSTRONG, JAMES OXENBERRY, RICHARD, and TIM MIDDLETON. Al Kearney and assisted by Carl Marlett, are the must see our faithful track ced vehicles on the road. The Alaska Native Hospital and Anchorage from Kasilof. Abe Elliott is the shooter. FRANK TAYLOR is assisted by EMERY DOWNST, EUGENE R. CLARENCE ROBINS.

Western had its seventh Alaskan wedding. MRS. DON ANDERSON became the bride of J. B. N. DICK. The wedding and reception were held at the Anchorage Hotel, a close suburb of Anchorage. Almost every Westerner to come to Alaska over the years has lived in Alaska since she was three years old. The Alaska Native Hospital and Anchorage from Kasilof. Abe Elliott is the shooter. FRANK TAYLOR is assisted by EMERY DOWNST, EUGENE R. CLARENCE ROBINS.

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Many log houses are still being built in booming Anchorage, Alaska, and these are homes of three Party 91 office men: top left, Computer Russ Linstead’s (Russ’ boys, Chris and Doug, are standing in the snow) and below, Chief Computer Lloyd Logan’s. At right is the younger daughter of Western had its seventh Alaskan wedding May 29. The wedding and reception were held at the Faith Baptist Church, Anchorage, and the first lady of the Anchorage Petroleum Wives is the younger daughter of Western. Nancy Savage became the bride of Abe Thomas. The wedding and reception were held at the Faith Baptist Church, a close suburb of Anchorage. Nancy lived in Alaska since she was three years old, recently moving to Anchorage from Kaslo. Abe was one of the Westerners to come to Alaska over three years ago. The couple attended a circus parade last weekend, and we noticed Abe had 15 children from the office members’ families, which led to the information that Party 91, including Abe and Nancy, runs to about 90 members. Another unusual aspect of this party is that members of the crew live up to half of it, with his wife Wilma showing his radishes with pride.

Westerners turn out to try to stop a few. The fish are quite reasonable so far (the best I have heard about a 75-pound king that jumped over a sharp log to es the line), but we should have some real good ones to net next—time—and if you think fish stories can get out of control, you should hear some of the bear stories field crew brings in! The only sour note coming in from the field crew is that famed Alaska mosquitoes are out and that the season of “no-see-ums” and “white sop” (gnats to the unin­formed) is just ahead. The Party 91 field crew is a real going concern, with our Manager Lloyd Logan leading the train. There are three observers, Vic Mittasch and Roy (Maverick) and two surveyors, Bob Tartant and Don Porter; Dick (Double Clutching) Gunter, roadie. The others also take turns leading the cats, as Party 91 has run out of ready-made roads, and even pinch hit some men. The four drillers are Don Anderson, Bill, Har, Vestor Tadlock, and Paul Schlemmer. Drill men are Glen Armstrong, John Orth, and Henry (Mason) Middleton. Al Keane and Ollice Kneis, shown by Carl Marlett, are the master mechanics who keep our faithful tracked vehicles on the go. George Ward is the shooter. Frank Taylor is the cook, with Meri Herndon his assistant. The recording crew consists of Bruce (Mason), Mason, Abe Thomas, Bill, and Tim Middleton. New men helping out are: Roy needed are Leonard Harden, Daniel Trotter, Emery Dowty, Eugene Rosenquist, and Bruce Robins.

91 office members alone 3 children, and here are two of them in addition to boys above. At right is Lloyd Logans and “first lady” of the Anchorage Petroleum Wives. This is no mean accomplishment as Anchorage has more than an oil center. The Petroleum Wives Club has a hundred members. Billie also does volunteer work for the Alaska Native Hospital and the Anchorage Childress Society, not to mention being first in line for any wedding, shower, or party concerning the crew. The safety dinner was held at the Edgewater Dining Room June 19. Among the revelers were the parents of Don Johnson, Mr. and Mrs. Don Anderson, Sr., who came in to see Don’s first son, Tom. Also as guests were Mr. and Mrs. Jack Trotter, of Western of Canada. Don Logan, eldest son of Lloyd Logan, graduated from Anchorage High School. Kent is expecting to attend college in California this fall and worked on one of the other Western crews in Alaska this summer.

As unusual gathering was held at the Party 91 office in June when two Canadian crews on their way through to distant points happened to congregate at one time. We had three supervisors, four party chiefs, and about 10 computers and draftsmen, not to mention a total of several dozen observers, drillers, surveyors, and helpers.

Top right.—Party 91’s office force finds a new, unusual way to press. They are: (bottom) Russ Williams, and Jim Grifflin, (middle) Garry Dormandy, Russ Linstead, (top) John McDonald, Bill Evans.

Lower right.—This is Party 91’s office, with Rod Kraus seventeen holding the cover signs on the top of his head. John McDonald’s tabs are blooming at the right.

Lower left.—Party 91’s office garden, or at least Garry Dormandy’s part of it, with his wife Wilma showing his radishes with pride.
WITHIN LESS THAN A MONTH, 25-year Service Pins were received by three Westerners, Vice President B.B. Strange, Shreveport, Louisiana; R. D. (Bob) De Journette, of Western's New Orleans office; and John C. Mollere, plant manager of the Los Angeles shops.

First of the three to join Western was Mr. Mollere, who started May 10, 1936, as an assistant observer in the field. Later he was promoted to observer and then in 1942 sent to Western's machine shop in Bakersfield, California. When that was moved in 1945, he was also moved to the Los Angeles shop facilities, where he served in various electronic positions until he became plant manager of the present shops in 1954.

Twenty-five-year Man No. 2, Mr. De Journette, began his Western service May 25, 1936, as an assistant computer on Party 8. He has since been promoted to computer, chief computer, assistant party chief, and party chief.

Mr. Strange was employed by Western as an assistant computer, with his first assignment starting June 9, 1936, with a party in Texas. Steadily coming up through the ranks, he was made party chief, supervisor, manager of the Mid-Continent Division, and subsequently Vice president and director.

WESTERN'S FAMOUS HYDROPHONE, now in a new, streamlined silhouette, has proved that it can catch more than seismic waves. Given a couple of hooks, it could bring in some extra large fish, too.

One of the marine parties in the Gulf of Mexico discovered this when suddenly a trace went dead. Upon reeling in the cable carrying the bright, new seismometers, there was found an assortment of tooth marks on the cable beside the hydrophones. Some of the prints were worthy of sharks or large barracuda. Evidently the glint of the shiny-new brass gliding through the water had been fascinating to the fish. They thought it looked simply good enough to eat.

This opportunity to enter the commercial fishing business as a sideline has not been pursued, however. The hydrophones are now being anodized a dull brown so that the fish will keep their pesky teeth out of our cables and stop introducing "random noise" into our seismic reflections.

25-YEAR MEN

R. D. DE JOURNETTE

R. 9. STRANGE

J. C. MOLLERE

PARTY 74 members have sent their congratulations to Ray Jones, who left that crew for home, his wife, and newest member of his family—a baby boy—Ugo Paul, just so you will have the address information at your fingertips—Ray Narlock, 3100 South Harding, Milwaukee, Wisconsin. Ray, quiet but a most worthy friend by his presence, died June 15 in a highspeed collision on South Carolina Freeway. Ray, a chief computer, is shown here on party 13 in 1957.

Just as you will have the school information at your fingertips—and that means the highspeed collision on South Carolina Freeway. Ray, a chief computer, is shown here on party 13 in 1957.
MEN

IE JOURNETTE
J.
C.
MOLLERE
ers have sent their congratulations to
left that crew for home, his wife,
of his family—a baby 
boy!—U
P."
ve the actual information at your fingertips or use
n a passive transducer located at a
distance from the source. Its output is less than
from 1.5 to 400 cps, even at 0.5 cps or at 15 to
on sound sensitivity. Exceptionally rugged, the hydro-
one damage 50 feet from a 50-pound TNT detonation.

ROUTE FROM LIBYA
to Stockton, California. Observer W. Skaggs stopped at the Los Angeles laboratory and shops
ed in the summer and during his stay was presented a 15-
Safety Medal by Safety Director Carl Gardes. During
28 years with Western, Bill has worked not only in the
don domestic crews but also on Party P-50 in Canada,
by F13 in Cuba, Parties 17 and 36 in Alaska, and 17
ome with Party 93 in Libya. Mrs. Skaggs has accompanied
on his Western travels. Before joining Party 58 in Stockton
he in Bakersfield, California), they spent some of their
spring vacation period with their daughter and two grand-
dead in Santa Maria, California.

AND SLIPPERY ROADS
brought about the death of
Chief Computer Ray Narlock June 15 near Shallotte,
Carolina. Ray, who had been a Westerner 14 years, was
transferred from Party 77 in Pleasantville, New Jersey,
was driving in the rain when the driver of an approaching
vehicle lost control of it on the slippery road and a
front collision with Ray's car resulted. The Westerner was
named "dead on arrival" by the authorities at the scene.
During his long tenure with Western, Ray had worked in
areas, from Canada through the States to Jamaica and
It was in the last place that he was married on Novem-
1957, to the former Gladys Andalia Mulet, who, with
daughter Yvonne, now almost 3 years old, survives him.
In Milwaukee, Ray attended that city's grade and high
and had his first year of college at Marquette Uni-
Milwaukee. He then transferred to the University of
conn, Madison, where he majored in mathematics and
and in 1943 was awarded a bachelor of science degree
and in 1943 was awarded a bachelor of science degree
in mechanical engineering. Ray, quiet and unassuming, was
ed a most worthy friend by his fellow workers.

OCEANOGRAPHY.
Western Geophysical Company is offering its
e xperience and capabilities in marine geophysics to the
federal government as a contribution to the important
ceanographic research program. Western's efforts will be channeled
through the newly formed Litton Geophysical Projects office
of Litton Systems, Inc.

Teaming with Western in this office are three divisions of
Litton Systems: the Applied Science Division, culver City,
California; the Maryland Division, College Park, Maryland;
and the Westrex Division, New York City.

Dr. Thomas P. Cheatham, Jr., who is a world-renowned
authority on information theory, is director of this new office.
Dr. Cheatham is vice president of Litton Systems and manager
of its Applied Science Division.

Western's Carl Savit, director of systems research, is working
closely with Dr. Cheatham on the oceanographic program.
Western Geophysical has mapped more of the ocean floor
than any other company. In addition, it has developed a
superior hydrophone, recording instruments, related equip-
ment, and data processing systems.

ANOTHER WESTERN BACHELOR is no longer that. Robert A.
Zang, computer for Party 9, was married to Miss Martha Jean
Dues, of Louisville, Kentucky, on July 1 in Louisville.
Western's Party 9 softball team is now second in the
Green River (Utah) softball league with a 2 and 1 record.
—Tony Zang.

WHETHER AT HOME OR ABROAD Westerners celebrate their
country's Independence Day. Members of Party 74 and friends
attended a Fourth of July celebration party at the American
Consulate in Kuwait. Some 300 Americans, together with
the Westerners, munched "hot dogs" imported from the
States and sipped beer. To say the least, it was a very successful gathering.

Josie Hammond, Party 74 shooter, was operated on for appendicitis and, as this is written, was recuperating at the American Mission Hospital in Kuwait. Fellow Westerners with him—William C. Cellardore.

APRIL AND JUNE were "baby months" for Party 70, New Orleans. Composer David Lewis and wife Jana added a second child to their family April 23 with the birth of Kimberly Jay. The 8-pound, 4-ounce baby was born in Winnsboro, Louisiana. Sister Linda Jean will be 2 years old in December.

Peggy White, wife of Seismologist John White, is no longer the only female in her family, which hereafter consisted of her husband and two sons, Paul David, age 7, and Charles Daniel, almost 4, on June 26 she gave birth to a 6-pound, 5-ounce daughter. The baby, born in New Orleans, has been named Delena Ann—Robert D. Scott.

A BEAUTY QUEEN has turned up in the "Western Family," and Party 70, Moab, Utah, claims her. Just two weeks before her sixteenth birthday, Sue Holmes, daughter of Shooter Charles E. Holmes and wife Silvia, was named bathing beauty queen of the Moab Chamber of Commerce Fourth of July celebration. The 5-foot, 1-inch tall young Westerner was one of eight Moab girls to compete in the contest, and all members of Party 70 were proud to have "their" girl win. Sue will be a junior in high school this year.—W. A. Williger.

PARTY 65 HIT THE TRAIL over the Fourth of July week (was this a calculated risk or not?), moving from subterranean Agostini to agriculturally-minded Chickasha, both in the home of Charles H. Tingle, Ralph D. and Sue, daughter of Mark Tingle, who is expecting to come to Chickasha this fall. Almost every Western family has found living out and is now in the final stages of unpacking and settling in their new homes.

New arrival to Party 65 is a brand new Westerner, B. Mundy, Jr., second child but first son of Compting head, Sunn Mundy.

In retrospect, a delightful coffee and brunch was given the honor of Sunny Miller prior to the departure of Chief G. O. Miller from Party 65 to Party 95. Hostesses were Kay Tinkle and Jane Owens. Contrary to the report in the last Western Profile, Dan Shea, not Vaughn Bryant, who is expecting a baby for the third time sometime this month, Vaughn is proud owner of something new—but it is a Volkswagen, a baby.—James B. Mundie.

The following is a list of Party 65 members who will be moving soon or within the next two years:

- James B. Mundie
- Vaughn Bryant
- Daniel Arledge
- Silvia Holmes
- Sue Tingle

Since reporting in the previous Western Profile, Party 65's field crew has moved from Brookhaven to Laurel, in Mississippi. Laurel is familiar to most of us as we have been here several times in the past few years. Bowling and baseball are building up on the crew; so we hope that, after vacation over and the winter league start, we can report a win from this party.—Al Lakes.
compete in the contest, and all members of to have "their" girl win. Sue will be a

Joey, E. E., Ferdinand
Norman, C. M.

William, Jr.

*Bing, Charles R.
*Biddle, Donald Jr.
*Chapman, Floyd
*Cherniak, William
*Chapman, F. O.

11 YEARS
Joe, Edward
Helm, Charles E.
Long, Richard L.
Robison, Jack N.
Sanctu, Thomas D.
Smith, Willis D.

10 YEARS
Harris, John
Kerber, Eugene
Klinkert, Eugene J.
Moore, James A.
Quinn, Ken
Robison, James E.
Tandberg, W. Loy
Williams, Calvin C.

9 YEARS
Baker, Zane H.
Butter, Hez E., Jr.
Grell, Romain E.
Houston, Robert C.
Smith, Bertend D.
Marion, James L.
Morgan, D. D.
Whit, W. D.

8 YEARS
Bing, Charles R.
Calder, Donald Jr.
Coler, Roger M.
Evans, Don W.
Jones, Glenn E.
Little, George E.
Merk, Don
Nico, Jim E.
O'Neal, Timothy D.
Salter, Bill T.
Vanau, Maurice A.
Various, James B.
Tarrant, Robert

6 YEARS
Regis, Paul G.
Bodnar, Robert M.
Holmush, W. C.
Hoodbough, C. C.
Hort, Harvey
Holt, Dewey J.
Holtz, Robert A.
Lobrato, Raymond J.
Lee, K. K.

5 YEARS
Anderson, James W.
Bakich, Walter E.
Bennett, Marry E.
Brown, B. L.
Gam, Berndt L.
Grady, Carl A.
Hunt, Leslie W.
Libbey, William
Mattie, Carrie
McCona, Eugene D.
Neely, Rickett S.
Neely, Gordon C.

4 YEARS
Bart, Malcolm
Bennett, Peter A.
Bell, Marie T.
Thompson, T. F. S.
Trays, Marvin J.
Winder, Merry

3 YEARS
Bennett, Thomas G.
Bald, Fred A.
Coca, Peter S.
d'Gruchy, Jack G.
Ive, Gerald G.

2 YEARS
Brown, Thomas G.
Howard, George E.
Ray, Jimmy M.
Remmelt, Michael
Ritter, Jim

1 YEAR
*Regan, Michael
*Butcher, Roy G.
*Wright, T. A.
*Williams, Charles E.

*Interrupted Service

FRONT COVER
Though now the "Oil and Gas Capitol" of Canada, Calgary is proud to have been known as the "Cow Town." Since the 1880's, mining, in-gather with grain mining, has provided the backbone of the Alberta economy. But today, an ever present concern is the greenbacks of those fescue hills and the cattle raised here. From the mining industry has come the many hospitality and friendly people who dominate the western spirit. This photo of short-grass grazing in the foothills west of Calgary is on Alberta Government Photograph.

MARIANNE CLARKE, Editor
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