I wish to extend congratulations to the Western Geophysical of Canada members of the Western family on the occasion of their 25th anniversary. We are very proud of the contribution that Western of Canada has made to our Company and to the successful program for the exploration for oil in Canada.

During the past 25 years Western of Canada has pioneered many important equipment and operational innovations that have greatly increased the effectiveness and efficiency of operations in the often hostile environment of Canada's oil provinces. Snowmobiles and large tracked vehicles were introduced to make winter operations more productive. Mobile, self-propelled camps greatly reduced the non-productive driving time for field crews. Extremely low ground pressure vehicles were introduced to make possible year-round operations in many areas.

Western of Canada established the first contractor magnetic-analog playback center in Canada in 1957. Many of the recording, processing, and interpretational problems that have confronted the geophysical industry in Canada have been successfully attacked by the technical staff of Western of Canada in co-operation with the other research and development groups within Western.

To the many Westerners, past and present, who have contributed to the success of Western of Canada and thereby to the economic well-being and financial future of the great country of Canada, my sincere thanks and congratulations on the occasion of your TWENTY-FIFTH ANNIVERSARY.
HIGH RESOLUTION operations were begun by Western Geophysical Company about two years ago; and Parties 401, P-140, 440, and 441 are currently performing this work in the United States, in Brazil, and in England.

Field operations on a high resolution crew are conducted very much like those on any other Western explosives crew except that the hole-to-hole distances and the spreads are much shorter. One unusual aspect of Party 401's work is that single, special detectors are used down the shot holes instead of the surface groups of detectors that are used on most other crews. Figure 1 shows Assistant Observer Steve Pepper planting one type of these special high resolution detectors down a pre-drilled bore hole. Another difference between high resolution and conventional operations is that a very large number of very small charges are used. In Figure 2 Shooter Rick Pierce is preparing to take one shot that, in most high resolution work, is one-half pound of explosives or less. The small charges produce very high frequency pulses and can be used close to man-made structures with no damage.

High frequencies are both the objective and the curse of a high resolution crew's day-by-day operations. Noises at the very high frequencies that are utilized for high resolution shooting are a continuing headache. Every problem in low frequency work is multiplied by a factor proportional to the increase in frequency. For example, 60-cycle high line is a problem on wet days in most areas. The 120, 180, 240, and 300 Hertz (Hz) high-line harmonics are the major problem faced by Party 401. These are normally of no bother to other crews because they are above the frequencies of interest.

Figure 3 shows Party Manager B W (Red) Brown explaining an operations problem that, in all likelihood, involves the reduction of some type of field noise. The end product of all of the high resolution field efforts to reduce noise is a seismic record section with much greater detail than has ever been available before. High resolution surveys are being used for civil engineering and construction projects, for coal mining prospects, and for oil and gas field searches.
were recorded. High resolution sections produced by this system have continuous mappable reflections with predominant frequencies in the 500-Hz range.

Figure 5 is an infrared air photo of the test area. The dark area at the top of Figure 5 is the Houston Ship Channel. Immediately on shore are several of the oil refineries, tank farms, chemical plants, and quarries that line the ship channel.

Not seen in the photo are the 17 oil, gas, and products pipelines that cross the test area under the ground. These pipelines, which interconnect the various oil refineries and chemical plants, give the area its nickname—"The Houston Spaghetti Bowl." The pulsations from the pipeline create a broad band of seismic noises in addition to the local 60, 120, and 180 Hz high-line interference. A four-lane expressway and the two active railroads that are seen in Figure 5 also contribute to the local noise level. Clearly, this was not a hand-picked, noise-free test site.

In Figure 5 there is a dark streak between the white arrows. The subtle infrared color change is the only surface manifestation of an active growth fault that is the target of the survey. An ordinary visible-light air photo did not show the fault trace. Two small trenches can just be seen crossing the fault trace in Figure 5. They are each 30 feet deep and 250 feet long and were dug to reveal a 6-inch fault displacement just beneath the ground surface. Seismic lines were run across the fault to see where it was located at depth and to determine its displacement.

The detail of the high resolution work is so fine that on the output record sections the timing scale must be ex-

The following will explain the new method in more detail and will show a few high resolution sections.

High resolution seismic profiling primarily depends on signal bandwidth or, stated another way, the high frequency content of the seismic wavelets. Oil-trapping structures with small relief and faults with small displacement are typically found by using information from bore-hole logs. Correlations between bore holes using the seismic horizons have revealed many small faults that trap petroleum. The accuracy of these fault determinations depends on signal bandwidth, the broader the bandwidth (or the higher the seismic wave frequencies that can be recorded and processed) the better the reflection "character" and hence the better the ability to make the correlations across the faults.

For many years it has been felt that most, if not all, of the useful high frequency energy was lost by scattering or absorption during passage of the seismic waves through the earth. While high frequency signal losses are present in all areas, the noise and bandwidth restrictions that are imposed by the seismic wave detectors, as well as the recording and processing methods, have in the past strongly limited the achievable resolution.

High resolution data was acquired by Party 402 in the special test area shown in Figure 4. This test area was originally shot for the United States Atomic Energy Commission to determine how small a fault could be seen by using the best available high resolution seismic reflection techniques. With special Western detectors and a modified DDS 888 recorder, frequencies nearly 10 times "normal"
panded as shown to the left of Figure 6 where each timing line is only 2½ milliseconds of 2-way travel time rather than 10 milliseconds, which is the more usual interval. The notch at the top of the section is caused by the inability to shoot and record among the 17 "Spaghetti Bowl" pipelines.

The fault interpretation is more visible in Figure 7. The shallow events are shown to be displaced, and the fault trace position at the surface agrees with the trench data. As these are 2½-millisecond \((ms)\) timing lines, a reflection wavelet period of one timing line, as seen at the top of the section, is a 400-Hz predominant frequency. The 4-timing line wide reflection "A," which so clearly shows the fault, has a 100-Hz frequency although it appears to be very low in frequency by "conventional" standards.

Individual sand (very high frequency) reflection continuity is typically poorer than the composite lower frequency reflections from shale and sand assemblages that produce correlative events over greater distances. Note that the shallow events have retained their character across the section.

Figure 8 illustrates the geological accuracy of the higher frequency data. Figure 7 shows the location of four bore holes, labeled A, B, C, and D, that were drilled to depths of 1,000 feet for the express purpose of locating the fault at depth and exactly determining its throw.

Electric logs run in each bore hole were correlated as shown in Figure 8. As the holes are closely spaced and the sand-shale sequence is very distinctive, the correlations are considered excellent. The fault throw is shown in feet on the log section. These throws are considered as "correct" by geological definition and provide an excellent
Figure 5—Infrared air photo of the test site with active depositional fault trace between the white arrows. The Houston Ship Channel, seen at the top, is lined with refineries and chemical plants that are interconnected by pipeline systems. Active railway tracks and a four-lane expressway also cross the test area.
ruler against which the seismic reflection data can be calibrated.

Reflection velocities were computer-derived immediately above the fault. Applying these velocities to the measured fault displacements in milliseconds, the fault throws in feet (seen in the squares to the left of the geophysical section) were established entirely from the reflection seismic data.

Comparing these seismic-derived foot throws with the geological throws determined from the electric log data shows remarkable agreement 11 v (versus) 12 feet at the shallowest “B” bed, 14 v 14 feet and 20 v 20 feet at the next two “D” and “E” beds; 23 v 22 feet at the thick “A” bed, 29 v 26 feet at the deeper “F” horizon (the largest discrepancy seen), and 34 v 36 feet throw at the still deeper “G” horizon.

The very high resolution field recording operations are similar to our conventional techniques as can be seen in Figure 9 where Party 401 Driller Ray Simons is returning to the shooting truck for a loading pole. Shot holes are drilled at 33-foot intervals along a traverse line, explosives are detonated in these holes, and the resulting seismic signals are detected and digitally recorded.

Another high resolution detector that has been developed by Western is shown in Figure 10. The one major difference between the new high resolution and conventional systems is the detector, which is responsive to ground acceleration rather than velocity. Its flexible case permits improved ground coupling using the water or, more commonly, the drilling mud with which the hole is drilled.

A single detector is used for each group. It is placed in the same holes that are used for explosives. The shot and detector holes are drilled to the depth of weathering at a spacing determined by the objective of the survey. The hole-spacing interval is usually chosen to correspond with the digital sample rate that is used in the field recorder.

Typically, 5-meter, or 16½-foot, hole spacing will be used with ½-millisecond digital sample rates for detailed mining and civil engineering surveys to depths of 1,000 to 2,000 feet. For somewhat deeper petroleum and mining surveys, 10-meter, or 33-foot, “spatial” and ½-millisecond “temporal” sampling has been found satisfactory. The holes can be stretched still further, to 66 or 99 feet apart, for deep petroleum surveys.

Digital sample rates are very important in preserving the higher frequencies, particularly in the ¼- and ½-millisecond range. A comparison of these two sample rates on the identical line is shown in Figure 11. This line was first done at ½-millisecond and 10-meter sampling and then repeated a few days later with twice the sample rate. Looking within the rectangle in Figure 11, the detail that was obtained with finer sampling becomes more visible in Figure 12.

A still closer look at Figure 13 shows the detail even better. The fine reflections are entirely missing on the coarsely sampled data. The advantages in finer time sampling are obvious from the sections seen in Figures 11, 12, and 13.

Large velocity changes occur within very short horizontal distances. This is illustrated by the isovelocity bands in Figure 14 above the section. Each band represents a velocity change of 200 feet per second. Changes of 10% to 20% are seen laterally along the line.

On the right the low-velocity trough coincides with an old river channel that is known as an early course of the present-day ship channel seen in Figure 5. To the left a velocity anomaly is associated with the shallow fault zone. These two geological features nicely explain the right and left velocity changes but leave the largest anomaly in the center unexplained.

It has been suggested that this anomaly may result from a shallow gas-charged sand. Such sands are known in the area, but this one has not been confirmed in the drilling program. Certainly the gap that is caused by the pipeline zone may contribute to this effect. Regardless of the causes, such velocity anomalies must be identified if high frequency (short period) components are to be retained in the stacking process.

A field example taken by Party 402 using the new high resolution techniques is shown in Figure 15. This area was shot using the “coarse” ½-millisecond, 10-meter sampling. The section is almost a blur where the fine events combine to form bands of energy. To show the detail, each successive figure is the area outlined on the previous figure; in other words, Figure 16 is the area within the box in Figure 15. In Figure 16 the section begins to take on a familiar appearance. The time scale, however, is about ¾ second rather than 3 seconds, and there is 33-foot rather than 330-foot spacing between groups. This 10-times increase in frequency, spacing, timing, and so forth is typical of the high resolution system. Coming in still closer in Figure 17, the finer detail is seen more clearly and the 10-fold improvement in resolution made more obvious.

Finally, zooming in still closer, the 15-foot, or 5-meter, fault displacement is clearly seen in Figure 18. The waveform periods are of 3 to 4 milliseconds, indicating predominant frequencies in the 200-300-Hz range in this area.

As with most improvements in reflection shooting, the development of very high resolution is an evolutionary process. In all seismic work a smooth, flat response curve is desired. The earth attenuates high frequencies more severely than the low frequencies. The new high resolution system combines the earth and system responses to form this desired flat, overall response.

The earth is the ultimate filter and in any given area will determine how high a resolution can be achieved and at what depth it is possible to obtain it. Our high resolution crews push the frequencies up to the maximum permitted by the earth. In many areas we have been pleasantly surprised as to how great an improvement can be obtained by using the techniques discussed above.
Figure 6—New high resolution test line 2. The conventional (10-millisecond timing lines) scale section is shown to the right; the enlarged (2½-millisecond timing lines) scale is to the left. The notch at the top results from skipped points across the pipeline right-of-way.
Figure 7—Enlarged portion of test line 2 showing fault trace and confirming test wells. Unfiltered section shows reflections ranging from 100 Hertz (periods of 10 milliseconds = 4 x 2½ millisecond timing line) to 400 Hertz (1-2½ millisecond time line period) in predominant frequency.
High resolution-system calibration

Figure 8—Comparison of subsurface bore hole information with seismic section shows geologically established fault throws in circles on log section and seismic throws in the squares from times and velocity determination at point 10 immediately above the fault (small "v" in box). The throws agree within 1 foot to 700 feet. Below this depth only 3- and 2-foot differences are seen.
Figure 9—Party 401 Driller
Ray Simons returns to the shooting truck for a loading pole.

Figure 10—Photograph of a portion of a new high resolution detector going into a shot hole. The segment is used to improve coupling and reduce noise.
Figure 11—Comparison of identical lines taken with 1/4-millisecond, 10-meter sampling and 1/4-millisecond, 5-meter sampling. The upper box indicates enlarged portion seen in Figure 12.
Figure 12—Upper portions of Figure 11 show the sample rate comparison. The box indicates portions to be enlarged in Figure 13. Note the improved detail seen when the sample rate is increased.

Figure 13—Enlarged portions of Figure 12 show the increased resolution obtained when temporal and spatial sample rates are doubled.
Figure 14—Reproduction of Velogram constant velocity graph positioned over data from which it was derived. The numbers to the side of the graph are velocity in feet-per-second. The horizontal scales are approximately the same for both the graph and the section. Note the correspondence of low velocity anomalies and old river channel as well as the near surface fault.
HIGH RESOLUTION EXAMPLE

1/2 millisecond • 10 meter • 33 foot Sampling

Figure 13—Field example of “coarse” 1/2-millisecond, 10-meter sampling. The box outlines the area to be enlarged in Figure 16.
Figure 16—Enlarged portion of Figure 15 shows "coarse" sampling example. The box outlines the area to be still further enlarged in Figure 17.
Figure 17—Field example of data recorded using 1/2-millisecond, 10-meter sample rate. This is enlarged portion of Figure 16, and the box outlines the area to be still further enlarged in Figure 18.
HIGH RESOLUTION EXAMPLE

1/2 ms · 10 M · 33¹ Sampling

Figure 18—Enlarged portion of "coarsely" (½-millisecond, 10-meter) sampled data shown in Figure 17. Note the easily identified 5-meter fault displacement and the wavelet breadths of 3 to 4 milliseconds (200-300 Hertz).
Charles W. Dick, who received his M.A. in June from Stanford during a leave of absence from the Company, has returned to Western as supervisor with Parties 8 and 21. In Cuba, receiving Safety Awards at Party F-17's first Safety Dinner ever were Chester W. Hill 10 years, Thomas Bouchillon 9 years, Harry Larabee and Max R. Stewart 5 years, and E. R. Steele 2 years.

10 YEARS AGO
Fall 1967

Westerners traveled with Party 86 to Australia and Malaysia in the Fall 1967 issue. Facilitating the installation of our digital recording system in Jesselton, Malaysia, were Supervisor Ben Thigpen and Digital Equipment Engineer John Edel. Westerner of America personnel in attendance at the open house for our Milan, Italy, digital processing center included Andy McLean, Billy Ettredge, Al Schwartzfishe Felix Morgan, Hillman Southwick, and Vittorio Pasini. Party 77 is now working in Muscat, and because of the long supply lines, Assistant Party Manager V. H. (Vic) Mutter keeps things moving in Bahrain, and Party Manager M. I. (Mel) Weidner and Computer-Clerk Roy Peck move between Muscat and Dubai. Supervisor V. W. (Vic) Smith spent a couple of weeks in Muscat and claims that it was not too bad at all. Party 52 gained a few and lost one when they were transferred to Paris, Tennessee, in August 1966. Joe Walker assumed the duties of party chief, and at this time we lost Chief Computer Grover Graham to an Iranian assignment and acquired Computer Claudio Venturini, an Italian hailing from La Spezia, Italy. Vacation time for members of Party R-1 meant the onset of a heretofore unheard-of virus, characterized by a wild desire to paint houses. Those stricken so far include Party Chief Joe Saltamacchia and Seismologists William Frommeyer Robert Scott John (Spider) Webb and John Hendricks. Many Westerners attended the annual picnic given by the Southeastern Geophysical Society this spring, among them Aart de Jong and Supervisor J. P. (Jim) Denniston. C. Q. (Quin) Williams of John C. C. Mathewson, and Thomas A. Toshlog have all been promoted to assistant supervisor from party chief. Party Chief Bill Walz, Party 65, and his wife, Neta, became the parents of another baby boy on June 28.

Three new Westerners have made their appearance among Anchorage personnel. They are Kevin Johnson, son of Shop Foreman Ollie Krein and wife Carol, Tobias Troy Donavon, son of Co-ordinator Neo Ferrari and wife Mae; and Ryan Andrew, son of Party Manager Roy Morris and wife Anita. The Fourth of July was a real celebration in President Strange's household. Booth Barrington Strange Jr., was born to our president and his wife, Laura. Early in July the Fred DiGiulio departed Shreveport and joined us in Houston, and a three-family contingent from Los Angeles arrived in August—the Carl Savits, the C. S. Wus, and the E. A. Naparsts.
PARTY 440—ENGLAND and WALES . . .

D. F. WHITING, Reporter
DAVE BROWN, Photographer

Since our last report Party 440 has traveled extensively throughout the United Kingdom, first operating at Kenilworth in Warwickshire. Here is the site of a great castle that dates back to 1122 A.D. and that was partially destroyed during the English Civil War (1642-1646). From Kenilworth the crew traveled to a prospect in Wales. This is traditionally the “Land of Song,” home of legendary dragons and reputedly the last stronghold of the Druids in the British Isles. Leaving Wales, the crew journeyed to Lincolnshire to survey a prospect near Boston, a port with which our American colleagues will be familiar. It was from there that some of the Pilgrim Fathers sailed in 1620 to start a new life in America, where they founded Boston, Massachusetts, of Boston Tea Party fame. At the time of writing this report the crew has returned to Wales to finalize the survey of the Margam prospect, other areas surveyed by Party 440 have included Ranskill in Yorkshire and Deal in Kent.

The crew has increased in size and is still under the supervision of JOHN GEORGIOU, but at the same time there have been some changes of personnel. DAVE BROWN has taken over as party chief, and DAVE REID, former senior observer, is now party manager and can occasionally be seen surfacing above a sea of paperwork and petty-cash vouchers in the office caravan. In June 1976 GRENVILLE

High precision drilling is the subject, and Party 440 Driller Ray Brooks is the teacher, showing two helpers the ropes.
SCOTT joined the crew as observer on his return from Pakistan, where he was with Party V-15, and is operating the 48-trace recording system, assisted by Junior Observer CARL REBBECK and Cable Helpers TREVOR COLLISHAW, PETER STURTON, and STEVE GRACE MIKE HALL and VERNON GUIBARRA are responsible for the weathering crew and its 24-trace equipment.

At the time of our first visit to Wales, Computer RICHARD TINSLEY left to resume his studies at the University of Durham and, due to the increase in the work load, was replaced by PETER O'CONNOR from the University of Exeter and JOHN MULLENS from our London office. Surveyor GRAHAM SCOTT is assisted in his forays across the forests and valleys of Wales by PAT McAULIFFE. The survey lines are being cleared by PETER WILLIAMS, who is now well on his way to becoming a qualified woodsman and who swings a very mean machete.

The drills and vehicles are in the constant care of Mechanics TONY RICHARDSON and JOHN CONNOR. HARRY

Party 440 Permit Agent Doug Whiting (from the left) and Surveyors Graham Scott and Pat McAuliffe are studying access points on the line in south Wales before starting the day's field work.

Drilling, as those Party 440 members learn while they are standing in the mud, is not always done under the best possible conditions.

With a Welch hillside in the background, Party 440 Manager Dave Reid (from the left), Driller Eric Gaylor and Mechanic Tony Richardson are discussing the work that is to be done during the long day.

FALL 1977
ELLIOTT, our chief driller, seems to have discovered the secret of perpetual motion in his efforts to "keep the drills turning." His cheerful team consists of RAY BROOKS, ERIC BOB, and ALLEN GARLOR, GARY WRIGHT, COLIN MORRIS, ERIC MCINTYRE, and PETER ROURKE.

Party 440 Permit Agents TONY EADE and DOUG WHITING have become very adept at the intricacies of the Welsh language but are still experiencing minor difficulties in saying, for example, "Llantafpwyllgwyngyllgogerychwyrndrobwllllantysillogogogoch." Freely translated, this means "St. Mary’s Church in a hollow by the white hazel, close to the rapid whirlpool by the red cave of St. Trisilio." TONY has now moved to Scotland to permit our next prospect although it is rumored that the Royal and Ancient Golf Course of St. Andrews figures in his negotiations.

During the past few months three of the crew have received their Five-Year Pins, presented on behalf of Western by JOHN GEORGIOU at social gatherings marking the occasions. These were Party Chief DAVE BROWN, Observer GRENVILLE SCOTT, and Assistant Observer MIKE BYRNE. MIKE has since returned to the London office after an interval with the Party 440 field crew.

We have received two visits from CHRIS VLATAS from Houston, ostensibly to service the 48-trace MANPAQ® system, but we wonder if the sea and sand of the nearby resort of Porthcawl have influenced his visits.

Hwyl Dha. Best wishes to all of our Western colleagues.

PARTY V-1—BEEVILLE, TEXAS . . .

CORINE BRANNON, Reporter
W. G. BRANNON, Photographer

This is Party V-1 writing to you from Beeville, Texas. Beeville seems to be a very busy spot—at least, Westernwise. This is now the home base for four Western crews. In addition to Party V-1, Party V-4 has been here about a year. In March Party V-3 arrived, and in May Party V-52 moved here from Laredo, Texas. All of us on Party V-1 welcome them to our home. Since we have been here for over 8½ years, we do consider it home, or at least home base. The crew spikes three-quarters of the time and "home" often turns out to be a motel room in some part of south Texas.

This reporter was lucky enough to be able to visit the crew in Corpus Christi, Texas, a couple of months ago. We left Field Clerk REX JONES in the motel room doing his job and headed for the line. Crossing a naval air base training field caused special problems for Surveyors TONY GONZALEZ and MARGARITO GARZA and Helper DAVID BARRIENTES. While navy-pilot trainees practiced touch-and-go landings, we flagged a line across the field. Then with a navy escort, Observer CALVIN T. MARTWICK, his assistant, DENNIS BRYAN RINEHART, and Vibrator Operators MANUEL M. GARCIA, STEVE BERNAL, BALDEMAR GONZALEZ, BILLY JACK NESBITT, and EMELIO ORTIZ crossed the landing strip and started to work. Vibrator Mechanic
TRUMAN GILMORE acted as co-ordinator between the crew and navy personnel (TRUMAN has since been working for Party V-3)

Off the base conditions did not get much better. The line continued along a busy road, and traffic was heavy. Helpers CLEOFAS GUERRERO and DAVID GARCIA, JR., donned their safety vests and acted as traffic controllers. Because of the rain a couple of days before, Helpers JOE CANTU, FERNANDO GARZA, MARTIN FLORES, OSCAR GARCIA, RUDY FLORES, JAMES DAHL, and AMANDO GARCIA had to lay cables and at the same time try to keep them out of an area where the water was up to the road. Cable Pusher FAUSTINO BERNAL supervised this job.

Sandy roadbeds can be damaged by the heavy vibrators, so Party Manager WILLIE G. BRANNON and Vibrator Operator MANUEL GARCIA walked along with the vibrators to keep an eye on the road surface. WILLIE also had the responsibility of maintaining good relations with the city police, the Corpus Christi street engineer, the Corpus Christi petroleum engineer, and landowners (some curious and some belligerent).

We were told that this line was more troublesome than most but not so bad as some. We guess if you take away the human element and the elements of nature, "doodlebugging" could be dull.

The street engineer in Corpus Christi was an old friend of Surveyor DOYCE MARRICLE and asked him about, but DOYCE and Helpers LIONEL MORIN and JESSIE MALDONADO were in Zapata surveying another line.

Our Western "family" keeps increasing. One addition was announced when Observer CALVIN MARTWICK set the date for his marriage to CONNIE MUNOZ of Beeville. The happy occasion was August 13.

According to Party V-1 statistics, the "baby boom" is still on. Last December 20 FERNANDO GARZA and his wife, NINFA, became the parents of a fine boy, FERNANDO GEROME, who weighed 4 pounds, 11 ounces. On April 26 Leticia and LIONEL MORIN presented the world with their son, ALDO RAY, who weighed a whopping 8 pounds, 9½ ounces. Then, not to be outdone, another boy was born to
David and Alicia Barrientes. Weightwise, Shaun Michael took the prize at 8 pounds, 12 ounces.

Of course, some of us are at the other end of this stick as we see our “chicks” grow up. Vicki Brannon, daughter of Party Manager Willie Brannon and wife Corine, and Steven Cain, son of Permit Agent Don Cain and wife Marie, were graduated from A.C. Jones High School in Beeville on May 27. (See Windstrip)

One of the newest members of the crew is Permit Agent Erik Hansen. He and his family have just joined our Western group. He is to aid and abet Permit Agents Gilbert Few and Don Cain.

Permit Agent Joe Thomas and wife Anola think that they have it made. Joe retired in August, and they had started trying to settle in at their home in Athens, Texas. Party V-1 and all of Western will miss Joe. He has been doodlebugging for over 33 years. We wish Joe “happy fishing,” and we also hope that Anola can learn to live with retirement.

To end this article Party V-1 hopes that all of our friends had a safe and happy summer.

PARTY 75—MORGAN CITY, LOUISIANA...

Russell Brown, Reporter

At this writing Party 75 has been shut down so that the long overdue “haul out” of the Western Geophysical II can be completed. It has been about two and one-half years since any major work has been done, and some repairs were needed. The Western II, one of our older ships, has been a real workhorse, having been in foreign ports and then returning to Morgan City, Louisiana. Port Engineer Archie Flowers and Party Manager Russell Brown have been overseeing the overhaul. We shall be back in full operation by the time you read this.

The ship crew, consisting of Captains Larry Creel, Norman (Blackie) Creel, and Steve Trebotich, has been doing an outstanding job, keeping everything operating with a minimum of lost time.

Our seismic crew is taking a much-needed rest after working a continuous schedule for several weeks. David Bivin took over as co-ordinator last year and has really been getting those miles shot. Having been a gunner and observer means that he is well qualified for the job. Observers William Behrens and Cecil Oliver have made a good team in the recording room. Elmer Fetters, who came to us from Alaska, took over the duties as gun mechanic and has been doing an outstanding job. We were sorry to receive word that he is not returning to Party 75 but is going to stay on the farm in Minnesota. It seems that the “love bug” has bitten him and that he plans to be married soon. Everyone on the crew wishes Elmer the best of luck.

Cook David Ross and Helpers Michael McPeek and Richard Clubb are newcomers and are adjusting to the life of “doodlebuggers” very well. C.W. Ethridge is responsible for the good food being served in the galley and thus for all of those “bay windows.” C.W. is the senior cook in the Gulf area and has spent several years on the Western II.

Friends of retired Party Manager Claude Dooley and his wife, Bert, are sorry to hear about their being in the hospital with pneumonia earlier this year, but we are happy that they are doing better now. We do not see them often because Claude, along with his brother, is a full-time farmer now. He spends most of his time on the farm near Woodville, Mississippi.

Until next time Party 75 sends best wishes to all of our Western friends.

PARTY F-63—WEST CENTRAL ALBERTA, CANADA

Pat Colton, Reporter
J.V. Neis, Photographer

(Editor's Note. This report was written for the Summer issue of the Profile but was held in Calgary pending the development and printing of the pictures)

Now that some of those “further south” have experienced a little of the wintery that Canadian seismic crews take in stride, we of Party F-63 shall admit that our 1976-1977 winter season has been one of the mildest in over 40 years. The snow depth, normally recorded in feet, could be measured in inches, and the temperature, apart from one short, sharp reminder of -30°F, was ideally suited to growing bananas, in fact, wild rumor has it that Calgary is in the midst of training an entire crew of warm-weather specialists.

Party F-63 Driller Dale Coon (from the left), Mechanic Shawn McWeney, and Helper Kent Caldwell pause during the “application of First Aid” to a drill rig while working in west central Alberta.
Party F-63 got the season underway at the beginning of December. Party Manager Jim Neis (C.B. handle “J V”) led his intrepid band of adventurers, social misfits, and fugitives from the law into the foothills of the Rocky Mountains, to the north of Hinton, which is a forest-industry town in west central Alberta.

Some names of these brigands and desperadoes may be familiar to you: Drillers John Collis, Dale Coon, and Tom Bennett (seduced out of semiretirement) Wilbur Riley, a distinct figure, was mostly seen mumbling and muttering around with the occasional outburst of “She’s all wore out” followed by further mumblings and mutterings.

In contrast to Wilbur, Observer Steve Novak, a 27-year veteran who needs no introduction, must be congratulated on his latest and unsurpassed performance of his flawless impersonation of Steve Novak. Naturally, one must be sympathetic with Steve, who is planning to join a religious sect, NEVER has there been a line crew like his. Assisted by Shooter Lloyd Petersen, he managed to lead his flock, which consisted of Cable-truck Drivers Steve Neis (later given combat promotion to junior observer), Paul Cook, and Jim (Ambrose) Sampson, and pedestrians Billy Antochow, Darren (Butch) Welch, Glenn Berezowski, Steve Goodwin, and Brian Henry Terry Nelson was on hand to help Lloyd hook up the charges and over cap leads and out of shot holes.

The crew was split up early in the project into two camps, recording and drilling. It was never decided whether this decision was made for logistical reasons or to maintain a low mortality rate for jug hounds, drillers have been known to supplement their diet, in lean times, with the occasional “juggy.”

Marcel Villeneuve, the cook in the recording camp, and his helper, Tim Miller, kept the recording crew in good supply with cream cakes, pastries, and a vast assortment of dishes from their tasty repertoire. To keep the drillers in fuel and calories, Cook Jean Duguay, another Frenchman who defected to the West, was supported by Bud Purves in his efforts to placate the carnivorous crew.

Throughout the project area, the occasional glimpse of the “Rockies” was possible on high ground. A view from one spot below the Berland River forestry tower gave a
panoramic vista of about 100 miles of razor-toothed mountains sweeping across, whether silhouetted by a setting sun that emphasized its depths and outlines or cloud-swirled and storm-embattled in a way that depicted its drama, the magnificence was the same.

Others included in the distinguished personnel of Party F-63 were Drillers Henry Entz, Wayne Miller, Daryle Reimer, and Brian (Big Bird) Bailey Brian, the top-drive driller, is believed to derive some perverse pleasure from his auger; a five-hole pattern leaves him breathless. Helping the drillers were a group of water-truck drivers collectively described as a "zoo" that included rare and unusual breeds such as Cliff Baker (mung),

Dave Lamont, Dan Anders (schmuck-bob), Dave Chown, Kent Coldwell (a misguided supplyman), and Gary Dietz, whose genus of the species has yet to be named.

Ron (Mitch) Mitchell came to relieve Bill Kachowski as our camp attendant when Bill left to re-saturate his dehydrated body. Mitch kept us amused with his general attitude to life, but we cannot repeat it here.

Mechanic Shawn McWeeny, an aspiring but rather poor cribbage player, and fellow conspirator Delon Bleakney endeavored with liberal usage of cap-wire, baling twine, and the hot-wrench to keep breakdowns to a minimum and the equipment functioning.
PARTY V-4—BEEVILLE, TEXAS...

M. D. HAYES, Reporter

Party V-4 sends greetings from the new metropolis of Western vibroseis crews, Beeville, Texas. In recent months the urban area of Beeville, 12,000 people, has seen two Western crews, Parties V-3 and V-52, join the resident senior crews, Parties V-1 and V-4.

The sudden flood of strange gray vehicles through the streets of Beeville has caused much interest among local inhabitants. Hopefully our prosperity will go hand in hand with that of the city.

Meanwhile, back at the ranch—that is, the Bruni Mineral Ranch—Observer GEORGE BERNAL, our main man after Party Manager RAY HUGHES, of course, is the proud father of a new arrival, JESSICA MARGRET BERNAL. Best of wishes to the whole family.

Of much less importance to GEORGE following such an event but important to the crew is LEONARD RIVERA, Party V-4's new assistant observer. LEONARD is a Houston new hire and a recent graduate of DeVry Technical Institute. LEONARD replaces MIKE LOGAN, our former assistant observer who was reluctantly transferred to Party V-3.

Party V-4 wishes the best of luck to MIKE and to Party Manager KEITH JONES with their new Western crew, Party V-3.

Other new faces joining the crew are Helpers ANDREW ALVARADO, ROBERT RINCON, and JOHN POSADA. We are sure that Cable Pushers JOE and JERRY POSADA will break them in properly, especially JOHN, who is their little brother.

ROBERT McBEE, our head bolt twister, and HUMBERTO LOPEZ, his lead operator, have three new operators to help them keep Party V-4's vibrators on the move. Operators JOHN RAMON and RICHARD CUELLAR are local Beeville hires. SANTIAGO AGUIRRE made his move from working on the cable truck. More good fortune came to SANTIAGO when his wife presented him with twin daughters, LAURISCA and LETICA.

While SANTIAGO is enjoying his good fortune, his brother JUAN is trying to keep up with the cows. As trouble-shooter and cable-repair man, JUAN is responsible for fixing the damage done by the strange appetites of local longhorns.

Although a majority of our men are from Beeville, several of them are from Laredo, Texas. MANUEL and ESTEBAN MATA find those long spike jobs in southern Texas to be quite convenient. Other helpers residing in Laredo are FERMIN GARCIA and JESUS FLORES.

While in Beeville Helpers DANIEL RAMIREZ, MARCELO ORTIZ, and ROBERTO MARTINEZ lend a hand to help prepare the crew's trucks for the rugged 'dozed trails cut by our survey crew CHARLES EDWARDS, our one and only surveyor, has done a remarkable job with the aid of his two helpers, JOSE PENA and JOE NORMAN. The crew would like to express a special note of thanks to this happy trio for their hard work.

Until the next time, Party V-4 sends the best of wishes and good luck to all Western crews.
A long road is 40 years on the “doodlebug trail”; but Area Manager John A. Adams, of Bakersfield, California, who started down it May 19, 1937, is still going strong. Furthermore, this highly respected Westerner has traveled it so well that he is known as “Mr. Geophysics” in his area of operations.

“Moves” is often the first thing that comes to mind in connection with “doodlebug trail”; well, John had already made six moves by the time he entered college and ten by the time he reported to his first crew and started down the Western trail, in Bakersfield. For one who has traveled all of his life—and still is—John has an unusual distinction among Westerners, that of having lived in the same town for over 26 years. That town is Bakersfield.

On the occasion of the celebration of his 40th anniversary with Western at a small party in Houston, John told of his hiring by Western's founder, Henry Salvatori. A few days later he reminisced about some of the highlights of his life and career in a letter to the Editor, which we hereby share with you and thus let this 40-year veteran tell his own story, with his many unusual experiences.

“I was born in Forsythe, Montana, where our family owned a horse ranch. Later we moved to Telluride, Colorado, a mining town at the 8,500-foot elevation, where I started school. During that year we moved to Alhambra, California. There I completed the first grade and started the second before another move, this one to Grass Valley, California, where the second grade was finished. We stayed in Grass Valley through the first half of my high fifth grade. Then we moved, and I entered the sixth grade at American Flat, Nevada (near Virginia City and Gold Hill). Here during the mid-school year and midwinter, transportation was by sled and sleigh, and this was a thrill and great adventure for my two brothers, Wayne and Kenneth, and me. (Wayne was born in Telluride and Kenneth in Alhambra.)

“After I completed the sixth and seventh grades at American Flat, we made another move, a return to Grass Valley. This time the stay allowed my completion of the eighth grade and graduation from Grass Valley High School, in a class of 27 girls and 5 boys! While in high school I managed to be on the Scholarship Society and to earn letters in basketball and track. Grass Valley in those days was a very active gold-mining community with mines surrounding the town—North Star, Empire, Idaho-Maryland, Central, and Brunswick, to name a few.

“Civil engineering studies at the University of Washington brought another period of interest to me, which included a voyage to Honolulu on the USS Idaho as a naval ROTC cadet and a summer in Alaska doing topographic surveying for a placer mining company. The pay was five dollars per day and “keep” but also provided introduction to black bear, devils club, long summer days, and gold on the bedrock after the surface gravels had been removed from the stream bed. A real thrill. This time also saw the great depression, though, resulting in many changes of my plans and a return to Grass Valley.

“This period also was extremely interesting, consisting of a stint with the county highway engineering department, doing preliminary location studies, curve design, and final pavement laying of county roads. This was followed by underground mining in the North Star Gold Mine—mucking, track laying, timbering, and shift-boss activity.

“However, underground mining was not that fascinating for an all-time living, and so during this mining interlude I had pursued a course of study in television and electronics that resulted in five weeks of residence training at the school in Los Angeles. This led to a short teaching tenure and the construction of several television units capable of receiving pictures broadcast by an experimental television station, W6XAO.

“While I was at the school, word was spread that geophysical exploration companies were hiring people and giving them additional training and sending them to various areas in the United States to survey for petroleum. Addi-

Continued on page 40.

WESTERN PROFILE
As June 9, 1977, dawned in Houston and Margaret Hole awoke, her thoughts wandered back to June 9, 1942, and to the question that she had been asked most often in the intervening 35 years with Western: “How did you happen to get into this business?” She had been asked this same question by the PROFILE’s editorial assistant in preparing for this write-up, and her answer with highlights of her career follows:

“Although I am definitely not an advocate of ‘Women’s Lib,’ I was actually supporting the principle in 1942 by accepting employment as computer on a Western field crew where women had never been considered eligible to work. When its party chief, Booth Strange, made the suggestion that they hire a female math major as computer for his crew since the military draft was taking all qualified men, the supervisor said, ‘**** no. No woman is going to work on our crews!’ However, the situation became so desperate that the supervisor reluctantly consented to give me a try.

“I reported for work on Party 18 in West Point, Mississippi, on June 9, 1942, determined that I would give them no reason to regret their decision. Maybe they were an exceptionally tolerant group, but I heard no complaints; and with Chief Computer Fred Di Giulio as guide and teacher, my work had to meet the highest standards. It was a logical move from the crew to an area office and shop headquarters when it was opened in Natchez, Mississippi, in 1944; to a division office and shop established in Shreveport, Louisiana, in 1950; to our corporate headquarters when it was moved to Houston in 1967.

“During the years in Natchez and Shreveport I worked as receptionist and secretary; compiled final reports, including drafting of maps and charts for seismic surveys completed by various crews; worked up well survey reports; kept records of shop inventories and crew requisitions; and maintained payrolls and expense accounts, trying all the while to keep travel arrangements straight for Western officers, supervisors, and crew members to all parts of the world.

“I especially enjoyed knowing our many crew members and keeping up with their movements through the years and have missed that contact since my responsibilities as executive assistant to the president leave little time to keep in touch. I remain keenly aware, however, of the fact that our paychecks would not be possible without the hard work and willingness of these men in the field to endure hardships encountered in deserts, frozen north lands, swamps and jungles, rough seas, or wherever the crews are sent.

“The most exciting phase of my career with Western has been participating in the growth of our Company from a small organization operating approximately 10 domestic crews in 1942 to its present position as the world’s largest geophysical company, with land and marine crews operating throughout the free world.”

Thus Margaret has summarized, in the proverbial nutshell, her duties and locations with Western. Away from Western? This gracious, kind, helpful, conscientious, and efficient lady was born in Texas, but “home” has long been Oklahoma. She earned her B.S. degree with a double major in mathematics and chemistry at Central State Teachers College in Edmond, Oklahoma, and taught seventh-grade science in the Ponca City (Oklahoma) Junior High for several years.

While in Shreveport Margaret was active in her church, the Altrusa Club, the Multiple Sclerosis Society, and the Symphony Society. Since moving to Houston she has transferred her interest in music to that city’s Symphony Society. Also, she finds great enjoyment in reading and gardening. Of the latter she adds, “If I had a garden—have to content myself with patio plants.” Occasionally she makes up for this lack of “land” with short vacation trips home where she gardens in her mother’s yard.

Margaret’s boss was out of town on business June 9 (incidentally, his 41st anniversary with Western), but her anniversary date did not go unnoticed. What would otherwise have been a routine day for her was made special by a bit of a celebration when Senior Vice President Neal Cramer and Vice President C. W. (Chic) Nicholls took her to lunch. On his return to Houston, our president gave Margaret her 35-Year Award, a beautiful, round, gold brooch featuring Western’s logo with three diamonds.

Westerners everywhere are joined by members of the PROFILE staff in wishing Margaret, the beloved “first lady of Western,” the best as she continues her career with us.

(Margaret is pictured with a group in “down Western’s line for 25 Years.”—Ed.)
Galveston Production Manager John J. Maines has just entered the ranks of a very select club—the club of those Westerners who have served with the Company for 30 years.

John's service dates back to May 21, 1947, when he was hired as a wireman on the night shift in the Los Angeles shop. He moved from our Los Angeles Hope Street address to the laboratory and shops on North La Brea Street in 1953, where he soon was named senior electronic supervisor and, in 1966, electronic shop supervisor. When the laboratory and shops were relocated in Houston, John went along and in 1972 was named electronic department manager.

In May 1973 John moved from the Galveston lab and shops to the Houston instrument lab on Westholme as manager of the electronic department. He transferred back to the Galveston facility as production manager in July 1976.

That is a long way from the little town of Elrose in Saskatchewan, Canada, where John was born and raised. Following his graduation from high school, he joined the Royal Canadian Air Force and was sent to England as an aircraft radar technician. After the war Sergeant Maines traveled to Los Angeles to look for work in electronics; and he found it, of course, at Western Geophysical Company.

It was in Los Angeles that John married his wife, Sylvia. They have two sons. Their younger son, Gary, now 25, received his discharge from the navy in February 1975 after serving six years; and now he is sales manager for RMP, a marine maintenance company. Their older son, Jim, 27, was graduated from Wartburg Theological Seminary in Dubuque, Iowa, in May and was ordained on June 12 at Our Saviour's Lutheran Church in Long Beach, California. On June 19, his first wedding anniversary, he was installed as an assistant pastor in Hope Church in Fresno, California. (See Windstrip.)

Away from work John is a sporting enthusiast, participating in bowling and golfing with friends. He also enjoys watching such spectator sports as baseball, basketball, and football. Sylvia also bowls and golfs and joins other Western supervisors' wives in monthly get-togethers.

John was honored on his service anniversary at a luncheon in Galveston with Senior Vice President Neal Cramer as host. Long-time friends and associates joining him for the celebration were Vice Presidents Ben Thigpen and Leo Dunn (also vice president of Litton Resources Group), Laboratory Assistant General Manager John Mollere, Purchasing and Requisitions Manager Mack Towns, Shop Supervisor Bill Liberty, Administrative Department Manager Roland Broughton, and Laboratory General Manager Joe Shivers. A count of service years for this group totaled a bit more than 254 years, an average of about 28 years per man!

Probably John feels a bit more secure now than when he went to work on a temporary basis at the Hope Street shop on the electronic assembly line. John's associates were genuinely enthusiastic in their congratulations to him on this anniversary and in their appreciation for his friendship as well as his contribution to the advancement of Western.
To some, 25 years seems to be a long time to work for just one company; but to William F. Ross, Calgary, Canada; and V. C. Boyd and J. P. Denniston, both of Houston, it is not long at all. The time has flown by, and these men have all recently received their 25-Year Service Pins for these many years of effort.

Assistant Supervisor William F. (Bill) Ross was the first of the three men to reach this milestone. He started with Western on May 8, 1952, in Canada as a junior computer. Since then he has worked in many positions and in many places for both Western Geophysical of Canada and Western of America.

Bill started out employed by Western only in Canada, working his way through the ranks of junior computer, to computer, to chief computer, and, in early 1957, to assistant party chief. Shortly thereafter, in 1959, Bill was transferred to Western of America and at one point worked in California before returning to Canada.

In the early 1960’s Bill began his years of foreign travel away from his native Canada. As a foreign marine party chief, he was assigned to such exotic areas as the Arabian Gulf, New Guinea, Indonesia, Turkey, Liberia, Ghana, Senegal, and Ethiopia, as well as the more common Western job sites including Australia, England, Ireland, Norway, Denmark, Italy, and Portugal. Party Chief Ross has not avoided land assignments either, having been in, among other places, the Shreveport (Louisiana) and London digital centers, the Spanish Sahara, Libya, Egypt, Pakistan, and Saudi Arabia.

In September 1969 this native Canadian was named an assistant supervisor while he was working in Quito, Ecuador. He also was in Bogotá, Colombia, that same year. The next year the well-traveled Westerner moved to the London digital center, where he remained until returning home to Canada earlier this year.

And what is Bill’s most interesting position with the Company? “Any job that I have held with Western Geophysical Company, from broad reconnaissance marine shooting to high precision detailing of coal beds, has been interesting.”

The assistant supervisor was born in Winnipeg, Manitoba, and studied at the University of Manitoba, receiving his bachelor of science degree in geology. During the summer months each year that he was in school, Bill worked in his father’s lumber mill, except for one summer when he was a junior geologist for the Geological Survey of Canada. After graduation, he joined Western.

Bill and his wife, Liliana, whom he met in Ecuador, have two children, William, 5, and Steven, 2. Liliana’s major interests right now are “looking after two healthy and active boys. She also has time for her church groups and for swimming,” according to the proud husband and father. Bill’s spare-time activities include golf and bowling.

Back in Canada where he started, Bill received his 25-Year Service Pin from Western of Canada Vice President Warner Loven in Calgary.

Vice President V. C. (Vic) Boyd has come a long way with Western since his June 6, 1952, hire date. Not only has he traveled thousands of miles, working on all continents for the Company, but Vic has come a long way with Western in another sense—from his first job as assistant computer on Party 37 he has progressed through various positions with Western to vice president in charge of Latin American operations and Asian marine operations.

Vic was born in Camppt, Louisiana, and after being graduated as valedictorian of his high school class attended both Louisiana State University (LSU) and Northwestern State College (NSC) in Natchitoches, Louisiana, majoring in chemistry. Between LSU and NSC Vic served in the United States Army for two years in occupation service in Japan, where he was a teacher of physics and chemistry in the Army Education program.

In college Vic was interested in basketball and track and received a letter for his skills (barely, he says), but today his hobbies are fishing and spectator sports. He also has one other hobby, work. That is a good thing for Western.

This long-time Westerner was hired June 6, 1952, as an assistant computer. Two months later he was named
a computer; less than a year after that Vic was promoted to senior computer; and on September 1, 1953, he was named a chief computer. By October 1956 Vic was a party chief and had started on his assignments for Western outside of the United States. His foreign assignments have taken him to all of the oil areas that Western has worked in with the single exception of North Africa.

In 1962 Party Chief Vic was assigned to Australia. He remained there for almost four years, and his and wife Shirley's two older children were born in Australia. On July 1, 1964, Vic was named a supervisor and in early summer 1966 was assigned to Shreveport, Louisiana. In mid-1967 the Boyds moved to Houston, where Vic has remained ever since, except for quick trips out of the country on business.

Supervisor Boyd was promoted to manager of operations-South America on May 1, 1969. Vic was named to the position of vice president of South American operations on July 1, 1971. Today his responsibilities have been expanded to include Asian marine operations.

While Vic is dedicated to Western, he also is dedicated to Shirley and their four children: Robert, 14; Megan, 11; Victor, 10; and Sarah, 7. The children are all very active, interested in school, horseback riding, football, track, basketball, and art. Shirley, in addition to keeping up with the children, is interested in playing bridge. Vic and Shirley both support their children's school activities, principally through the PTA.

Manager of Operations James P. (Jim) Denniston began his service with the Company on the same day that Vic Boyd began his, June 6, 1952, doing the same thing that Vic was doing, working as an assistant computer. Today he is manager of operations-special assignments and acts as liaison with the London office. Jim assists that office in any way possible with our business in that area. He also keeps as much contact as he can with the clients in this country that are associated with operations in Europe, Africa, and the Middle East.

Jim was born in Alma, Arkansas, and was graduated magna cum laude from the College of the Ozarks, Clarksville, Arkansas, with a bachelor of science degree in mathematics. At college he participated on the baseball, basketball, and football teams, catching a pass for a touchdown in his first (and next to last) football game. Today his sporting interests are confined to fishing and golf, mostly golf. While he was in England as manager of marine operations for Europe, Africa, and the Middle East, Jim won the club singles championship; and he and his son won the club four-ball championship and, two years running, also the Scotch foursome two-ball championship.

When this long-time Westerner was in the service, he was a military policeman in a special corps assigned to General Mark Clark in Vienna, Austria. His most memorable duty was serving as honor escort to former President Herbert Hoover when he visited Vienna.

Hired by Western as an assistant computer, Jim quickly rose through the ranks so that little more than a year later he was a party chief. Working on land crews, he was primarily based in Oklahoma and Texas, with short stays in Mississippi and Montana. In 1963 Jim was in Shreveport, Louisiana, handling data for the processing center. It was during this time that he experienced his first foreign assignment and one that, to this day, he considers to be unique, working in the Hadramaut, where he served as an interim field party chief for Party 90.

By February 1964 Jim was promoted to supervisor and moved to New Orleans. It was while he was there that he was first exposed to marine operations in the Gulf of Mexico. In 1967 he and his family were transferred to London, and Jim assumed the duties of manager of marine operations for Europe, Africa, and the Middle East in August 1972. They were assigned to Houston in 1974.

Traveling with Jim to many of these places in the early years were Jim's wife, Erline, and their two children, Brenda (now Mrs. Dean Keen), who is practicing law in Houston, and Jim, Jr., who, after working for Western this summer, has returned to college. He is an active golfer and enjoys fishing just as does his dad.

In honor of their 25 years of service, Vic and Jim were guests at a dinner at the Petroleum Club in Houston hosted by our president, Booth B. Strange, and wife Laura. Attending, in addition to Vic and Shirley Boyd and Jim and Erline Denniston, were Senior Vice Presidents Neal Cramer and his wife, Florence, and Howard Dingman and his wife, Christine. The next morning Jim and Vic were presented with their 25-Year Service Pins by Mr. Strange.
VISITORS TO EUROPE. From New York we jetted to Paris, France, where our European tour began. We visited the Arc de Triomphe, France’s tomb of the unknown soldier, and the Eiffel Tower and enjoyed the Gothic beauty of the Notre Dame Cathedral. Of course, we enjoyed some fine French cuisine and did some shopping in the lovely boutiques while there.

Then it was on to Switzerland with its captivating scenes, from the world-renowned vineyards of Burgundy to the lofty peaks and verdant valleys of the Jura Mountains. Medieval towers, 8th Century churches, 14th Century Kopelbrucke-covered bridges with elaborate murals, and the amazing stone sculpture of the Lion Monument were some of the sights that we visited. Our journey continued to Lausanne, Switzerland, a thriving cultural center, and then along the mountain-formed lake to international Geneva.

Shimmering, snow-capped French Alps stood guard as we traveled south along the “Route Napoleon” to the winter sports mecca of Grenoble, France, and from there on to the French Riviera, “Land of Sunshine” and the site of international film festivals. A short trip then took us to the famous “Land of Leave-Your-Money” Monaco with its gambling casino, Monte Carlo. After viewing the royal residence of Prince Rainier III and Princess Grace, we continued along the French and Italian Rivieras to Genoa, Italy, (birthplace of Christopher Columbus) and then along the wide beaches and blue waters to the leaning tower of Pisa, taking the scenic route so familiar to Roman legions.

From Pisa we turned south past the Port of Livorno, through Grosse, to the Seven Hills of Rome. The “Eternal City’s” monuments and fountains are a dazzling sight to behold. While in Rome we visited the Roman Forum, the domed pantheon, and the colossal Colosseum (chief circus of the ancient Romans), plus St. Peter’s Basilica. The “highway of the sun” led us through olive groves and vineyards to Tuscany and Florence, Italy. We viewed many works of Michelangelo, Ghirlandaio, and della Robbia. Also, we visited the Medici Chapel and the 14th Century campane (bell tower) “Gate of Paradise” before going on to Venice, “Land of Canals” and serenaded-gondola rides on the Grand Canal.

Leaving Venice we traveled along a panoramic route into Austria to the lyrical old-world enchantment of Vienna. It seemed that we could almost hear Mozart’s music coming from the Vienna woods. At Krems, Austria, we boarded a cruiser for a beautiful trip down the “Blue Danube.” The weather was perfect.

From Austria we traveled through forested landscapes in southern Bavaria to the essence of picture-book Germany where we went aboard a steamer for a cruise down the Rhine River. We saw famous castles and twin-towered Gothic cathedrals and the legendary Lorelei Rock.

Next our tour took us to the beautiful country of Holland, “Land of Windmills”, tulips, and Amsterdam, the 700-year-old capital of Holland. From The Hague, site of the International Court of Justice, we went to “the hook” of Holland for our steamer trip across the English Channel to London.

We arrived in London in the middle of the Queen’s Silver Jubilee celebration. The city was really alive with people participating in the occasion. While in London we visited Buckingham Palace, Big Ben, the houses of parliament, and Westminster Abbey and found time for some last-minute shopping.

Time had quickly passed, our energy was depleted, and we began to get a little homesick. Embarking on the last leg of our journey homeward bound, we arrived back in Houston with beautiful memories and stories to tell our friends.

IT IS A GIRL for Luis and Elsa Carrera. Elsa Elizabeth Carrera was born January 5 in Texas City, Texas, weighing six pounds. Luis is a cable specialist in the Galveston shop’s marine cable department.—Sharon Deats
INTERVIEW WITH A WINNER. The winner in question is Carol Blackhall, girl librarian and (lately) Western's poet laureate. Carol was the winner of an essay contest sponsored by the Special Libraries' Association (SLA) that netted her a $350 travel stipend to attend its national conference in New York City in June. The ironic part of the story is that she destroyed her essay and actually won the contest by not writing an essay at all—she wrote a poem, a 300-word iambic beauty.

But rather than document Carol's triumph in the third person, following is the question and answer session (or a fact simile) I had with Carol. We shall henceforth be known as "SHE" and "ME" or possibly "ME" and "SHE" or any combination thereof (not quite up to David Frost calibre but one learns to make do).

ME “Carol, just what was it that made you decide to submit your entry in verse?” (Notice how I deftly maneuvered the interview right to the heart of the matter.)

SHE “Originally, I wrote a 300-word essay that said all the appropriate things and was quite a good argument on my behalf stating clearly why I thought I should be chosen to attend the convention and what I hoped to obtain from it. Since he has writing experience from here to forever, I asked Mr. Carl Savit if he would please read over my literary endeavor and comment. Thankfully, he was astute enough to point out to me that everyone was going to be submitting just exactly what I had written—with a few variations in adjectives and so forth—and that there was really nothing exceptional to set my thesis apart from all the other entries.”

ME “So . . .” (You will also notice that Carol has all the good dialogue—I just went along for the ride.)

SHE “I went home that night, still thinking about what Mr. Savit had said. Since my reasons for wanting to attend the convention were probably the same as everyone else’s, my only hope for originality in my essay was how I said it and not what I said. A humorous essay would have been entertaining but might not convey to the judging committee how seriously I was looking forward to attending this convention and the learning situation it would provide for me—possibly a once-in-a-lifetime professional opportunity. Submitting a 300-word essay in pedantry didn't seem to hold much more promise of sounding sincere either. After tossing and turning most of the night, I came up with the brainstorm not to write a traditional essay at all—I'd compose a poem. Before the inspiration left me, I immediately started to scribble down ideas, this must have been about 4 A.M. My husband was sure I had lost my mind entirely (previously he was willing to give me the benefit of the doubt).”

ME “Carol, I neglected to tell you that I'm supposed to do all the amusing lines—OK?”

SHE “OK.”

ME “Well, now, moving right along, how much time passed before you were notified that your entry won and you were now world famous?”

SHE “I don’t know about ‘world famous’; my family thinks I’m rather neat, though. But I suppose I waited a good month or more, actually, I'd given up hope because so much time had passed.”

ME “Now that the convention is past tense, what was the high point, or possibly I should ask if there were any high points of the convention—I'm still having trouble reconciling myself to the fact that librarians actually do talk. All the librarians I’ve ever come into contact with were nondescript little old ladies whose entire vocabularies consisted of, ‘That will be five cents a day for every day overdue,’ and/or ‘Shuush!’”

SHE “Believe me, librarians do talk, you can check with my husband. With almost 4,000 people attending the convention and over 180 exhibition booths from all over the United States as well as foreign countries like Canada, Spain, Sweden, Texas, France, Norway and Germany there was more talk than any one person could handle. So many really good papers were presented relating to so many different facets of library science that it was hard to absorb everything that quickly. Unfortunately, though, some of the papers I was interested in hearing were given simultaneously so I had to pick and choose very carefully. Needless to say, I've got enough notes to fill a library shelf, and I also picked up some ideas I'm planning to incorporate into our library system here.”

“It would be hard to choose only one thing and tell you that was the high point of the whole convention for me. I will always remember being one of the two guests of honor at the Monday night reception dinner. I shared the spotlight with the winner of the student essay contest. I finally was given the opportunity to meet a lot of people who previously had just been voices on the telephone—and some of them also work in Houston! Plus, our keynote speaker was Congresswoman (Congressperson) Bella Abzug, complete with hat. President Carter sent a proclamation recognizing June 6, which was the opening day of the convention, as National Special Librarians' Day. Just staying at the New York Hilton, as a guest of the National Special Librarians' Association, was a high point in itself. I really can't decide which of these experiences would rate number one.”

ME “Well, Carol, you just exceeded your 300-word limit.”

(In closing, let me add for those of you who were wondering that Carol did manage to get some time for shopping in the “Big Apple.”) —Sheila Chenoweth. (Photo by Louis Parks.) (Carol’s winning entry follows.—Ed.)
A YEAR OF CRISIS SOLVED
(or Why I Need to Attend the SLA Convention in June)

Conventions are a forum
For exchanging our ideas
The problems and the answers
We have found throughout the year

From every type of company
From libraries big and small,
We’ll come to hear the speakers
And to learn from one and all.

Everyone should contribute
For each has found some way
To solve the problems encountered
In their work from day to day

I too, have had my share
(Some worse than all the rest),
But mine are somewhat special,
So I need to be your guest

Our Company is large—encircling the globe
But in our corporate building tall
The numbers doing research
Are comparatively small.

They’re technical and specialized
And often need my skills
“A full-time librarian for so few?” they asked
But they’ve since been cured of these ills.

Their needs were great and time too scarce
To make do with materials old
I had problems—out-dated texts
Still too valuable to be sold

We’ve dealt with this by making use
Of loans from libraries near
And our resources increased in quantum jumps
In the period of just one year

We’ve grown from just a hole-in-the-wall,
They now borrow books by the stack
Yet another crisis—
They’re due but I can’t get them back!

The borrowing trend spread to others around,
And Company use has increased
Adding requests on a myriad of things
Though our original needs haven’t ceased

Growing pains have created a need
For a better retrieval system.
I’m working on this but finding it hard
I need help—more experience and wisdom.

So I’d like to attend the convention in June
To brag to gripe and to learn.
Hopefully gleaning ideas from those who attend
For the library—my principle concern.

THE WEDDING OF Debi Rawlins and Terry Patterson took place July 4 at 11:45 A.M. at Diamond Head, Lake Conroe, Texas. Debi is secretary to Vice President John Russell, and Terry is a self-employed building contractor.

The maid of honor was Diana Rawlins, sister of the bride, and David Patterson was his brother’s best man. Attending the ceremony were Mrs. Carmen Rawlins, mother of the bride, from Dayton, Ohio; Albert Rawlins, father of the bride, from Magnolia, Texas, and Louise and Bruce Head, the bridegroom’s mother and stepfather, from Florida.

Following the short ceremony under the trees, a barbecue and party was held for the couple and their guests, who had arrived in a 10-car caravan. Mr. and Mrs. Patterson then left for the Houston Hyatt Regency where the “Honeymoon Package” was reserved for them.—(Photo by Bruce Head.)

Party V-6 Field Clerk Rey Abarquez (left) received his 5-Year Pin from Supervisor Nolen Webb on June 14. Following the presentation, Rey Nolen, Area Manager John Adams and Party Manager J. E. Buschmehle celebrated with lunch in Bakersfield, California.
MERRY CORINNE COKER, daughter of Roger Coker and wife Connie of La Marque, Texas, was married to Terry Gene Marshall of Crane, Texas, on April 9. Merry's father is assistant supervisor of the fabrication shop in Galveston.

The ceremony took place at the First Baptist Church Chapel in Crane. Bridal attendants were Shirlee Coker Tooko

and Margaret and Melissa Coker, all sisters of the bride. Kenneth, Jerry, and Pee Wee Marshall served their brother as groomsmen.

Merry and Terry both attended Crane High School in Crane. Terry is presently employed at Dow Chemical in Freeport, Texas, where the couple is living.—Sharon Deats

LINDSAY WRIGHT BERRY, the son of Houston Communications Supervisor Benny Berry and his wife, Isabelle, made his first appearance in the world on April 14, weighing 7 pounds, 4 ounces. Lindsay is the couple's first child.—Debbie Meitzler

SOME CHANGES AFFECTING Westerners and former Westerners took place this spring under the umbrella of the Litton Resources Group. This includes Western Geophysical, Aero Service, Westrex, and Litton Resources Systems and is headed by Western President Booth B. Strange.

On April 20 President Strange, as vice president of Litton Industries, sent out the announcement of the appointment of Dr. Emil J. (Buck) Mateker, Jr., to the presidency of Litton Resources Systems (LRS). Buck also is, and has been for the past three years, president of the Aero Service and Westrex divisions of Litton. In addition he is a corporate vice president of Western. He joined our Company in January 1969 and in 1970 became its vice president of research and development and has been closely associated over the years with the highly successful product development programs of LRS.

At the same time Robert R. (Rob) Rector, who served effectively as president of LRS the past two years, returned to Western where he is directing its new medical research program. This highly promising program is a joint effort of Western and the Litton Medical Products division. Rob first became a Westerner in February 1967 and prior to transferring to Litton Resources Systems was general manager of our laboratory and shops in Galveston, Texas.

A week after he put on his third presidential hat, Dr. Mateker announced the appointment of David G. Shave as vice president of engineering of LRS. Dave has been Western manager of geoscience systems the past year. A native of England, he had joined Western in January 1966 as an instrument supervisor operating out of the London office. Transferring to the Houston office in 1969, Dave has been involved in instrumentation design, service, and manufacture and has extensive experience in managing integrated hardware/software system development.

Juan B. Vailhonrat, Dr. Mateker's next appointment, was made vice president of software for LRS on May 5. Prior to this he had been manager of minicomputing systems for Western since 1974. Born in Cuba but receiving his higher education in Texas, Juan was a Western programmer in Shreveport, Louisiana, from 1966 to 1968. He rejoined West-
ern in 1973 in Houston and became our co-ordinator with LRS on the development of software for the COBA® series of instruments and since 1974 has been responsible for Western's development of PRE/SEIS® software package.

Last but not least was the announcement on May 11 by Mr. Strange of the appointment of Leo J. Dunn to the new position of vice president of the Litton Resources Group. Leo, who was promoted to vice president of Western in 1971, will retain his position as a corporate officer of Western Geophysical. His new area of responsibility includes the programming of Western's laboratory and manufacturing facility in Galveston. Also, he is coordinating the joint efforts of Western and LRS in their world-wide marketing of geophysical equipment, instrumentation, technical support, and personnel training. A native of Canada, Leo became a Westerner in October 1949 as an assistant computer and has traveled the “doodlebug trail” ever since—in Canada, the United States, South America, Africa, and Europe—with well-earned promotions coming along the way. Before moving to Houston from London in 1975 he was vice president of operations in Europe and Africa.

FRIENDS OF Marie Steil will be saddened at the death of her husband, Elmore, on Friday, June 24. El, who had not been well for some time, underwent surgery that morning and passed away that afternoon. Death was caused by cardiac insufficiency. A short church service was held in Sherman Oaks, California, the following Tuesday. Burial was in Sydney, Australia, Marie’s home.

PRIVATE FIRST CLASS Victor William (Vic) Smith, Jr., was graduated from the United States Marine Corps Recruiting Depot in San Diego, California, on May 12.

Vic is the son of Western veteran Vic Smith and his wife, Gwen, of Houston. Gwen went to San Diego for the graduation ceremony. For a time she was afraid that she would not be able to make this trip because the Smiths’ daughter, Barbara Watson, was expecting a baby in Houston shortly before Vic was supposed to graduate. Barbara, however, “came through on schedule” (Bonnie O’Brien Watson was born April 28, 1977) so that Gwen could be there for those days when Barbara needed her most and still attend Vic’s graduation.

Vic received his military occupational specialty training in Houston and reported to Camp Pendleton, California, for active duty the first week of July.

Audio-visual Director Bob Watson stands proudly next to wife Barbara and their baby, Bonnie O’Brien Watson, who was born on April 28 weighing 5 pounds, 14 ounces. Bonnie is the granddaughter of PRE/SEIS Operations Supervisor V W (Vic) Smith and wife Gwen.

Heather Leanne Brown made her first appearance in the world on June 7 at 3:21 p.m., weighing 7 pounds, 15 ounces. Heather is the daughter of Party Manager B. W. (Red) Brown and former Assistant Accounting Supervisor Sandra Arrington Brown.

Heather, who was 20 1/2 inches tall at birth, was born in the Methodist Hospital in Houston.
WESTERN PARENTS, rightfully proud of their sons and daughters, have sent news of their children who were graduated from high schools and colleges this spring.

Vicki Marie Brannon, daughter of Corine and Willie Gene Brannon, party manager of Party V-1, was graduated on May 27 from the A.C. Jones High School in Beeville, Texas.

A medal for outstanding achievement in bookkeeping was awarded Vicki. She was a member of Nu Alpha Theta, the Science Club, the French Club, the band, and the CYO. She also was a princess at the Mardi Gras Ball in Beeville.

Vicki is now attending Bee County Junior College in Beeville, studying accounting.

May 14 was the day that Vicki Bryant, daughter of Houston Receptionist Virgie M. Bryant and the late Supervisor R. K. Bryant, received her degree in occupational therapy from the Louisiana State University Medical Center.

A graduate of Memorial High School in Houston, Vicki studied for two years at Louisiana State University (LSU) at Baton Rouge, where she was a member of the honor society and Zeta Tau Alpha Sorority. She then attended the LSU Medical Center in New Orleans, where she was secretary-treasurer of the LSU Occupational Therapy Club. As a student at the medical center, Vicki did clinical work at San Antonio, Texas; Jackson, Mississippi; and New Orleans.

After a summer of travel to San Francisco, Galveston and other locations in Texas, and New Orleans, Vicki is looking for work in pediatrics.

Steve Franklin Cain, son of Marie and Don F. Cain, permit agent on Party V-1, was graduated from the A. C. Jones High School in Beeville on May 27. Steve won all-district honors in 1976 while playing on his high school football team. He also was a member of the 300 Club. Steve is now working for the Houston Pipe Line Company.

June 3 graduate of James Bowie Senior High School in Arlington, Texas, is Oran Eugene (Buck) Jordan. Buck is the son of Patsy R. Lincoln of La Marque, Texas, a cable assembler in the Galveston marine cable shop. He is now working in Fort Worth, Texas.

Randy Osborn, son of Mr. and Mrs. Ray Osborn of West Texas City, Texas, was graduated from La Marque High School in La Marque on May 26. Randy's mother, Margaret, is a cable assembler in the Galveston marine cable shop.

An honor roll student at La Marque, Randy currently is assistant coach for a girls' softball team in Texas City and is working as a welder for Brown and Root.

Honor Society member Donna Denese (Dee) Persky, daughter of Mr. and Mrs. Billy Ray Persky of Hitchcock, Texas, was graduated from Hitchcock High School on May 27. Dee's mother, Sandra, is a cable assembler in the Galveston marine cable shop.

At Hitchcock High Dee was listed in "Who's Who" and was a member of the Hitchcock Drill Team and the Vocational Office Education Club, which she served as treasurer. This summer she worked as a clerk typist at the University of Texas Medical Branch.

Judith Robin Sovit earned her bachelor of arts degree in math, with honors, from the University of Texas, Austin. Judi, daughter of Senior Vice President-Technology Carl Sovit and wife Sandra, was also on the dean's list and was a College Scholar before graduating on May 21. In addition, she was a member of Kappa Delta Pi, the education honor society, and served as chairperson of the Texas Union Musical Events Committee this spring.

This summer Judi worked as a junior programmer for Western before returning to the University of Texas at Austin to complete her teacher certification. She plans to teach high school math after receiving her teaching credentials.

Judi's brother, Mark, earned his law degree last year from the Georgetown University Law School in Washington, D.C., and is presently with the law firm of Cotten, Day and Doyle there. Mark, wife Nanci, and son Joshua are living in Washington.

A May graduate of Ouachita Parish High School in Monroe, Louisiana, is Susan Kay Watts, daughter of Jeanette and H. D. (Slick) Watts, party manager of Party V-2.

Susan, who was on the honor roll at Ouachita, is presently majoring in chemical engineering at the University of Kansas at Lawrence after spending the summer in Colby, Kansas, where Party V-2 is based.

The PROFILE congratulates these young Westerners who are part of the class of 1977 and wishes them the best of luck in the future.
PARTY 38, Western's Canadian border patrol, is poking and shooting the holes in the Kenmare, North Dakota, area for the time being. We have been here since the year was new; and, through the hot spring drought and the summer monsoons, it appears that we shall be here when the year is cold, doleful, and old. As of this writing there are eight drills and 40 people on Party Manager Ward Maricle's crew, which makes for one considerable operation in this land of wheat and flax fields and small farming communities.

Even an ace crew, however, does not work all of the time. For a Memorial Day feast, the party wives put together a barbecued-steak-and-potato-salad picnic with all of the "fixings," not to mention the brew of our choice. In spite of a few rain clouds oozing on us occasionally, a ripsnorting softball doubleheader was played among members of Party 38. That doubleheader, by all rights, should have been filmed for television's "Wide World of Sports."

As the year goes on, Party 38 will be crisscrossing north-central North Dakota with seismic lines and sharpening our "killer" softball skills in anticipation of any challenges from other Western crews that are passing through the area. We shall provide the game equipment if you will provide the beer.

—T. David King  Photos by Wendye King.)
WHEN THE Geothermal Resources Council held its annual meeting in San Diego, California, May 8 to 11, Area Manager John Adams was among those attending the three-day meeting of the group that was organized several years ago at El Centro, California.

Papers were presented to the meeting and the last day a field trip was taken to Cerro Prieto, Mexico, where a geothermal system is bringing electricity to the residents of Mexico. As John had previously visited this plant, he returned to his Western office in Bakersfield, California.

Several speakers mentioned Western’s work in the geothermal field as they presented their slides and papers to the council.

QUINCY DANIEL O’HAIRE, a helper on Party V-23, discovered a sage hen nesting while the crew was working in Utah and wrote a poem about her, which he sent to share with the PROFILE readers.

SAGE NEST

As I walked alone with geophones in hand
Across what seemed like an empty land,
A fat momma prairie chicken I did flush.
From a sagebrush she flew with a wing-spread rush.

And under the sage was a nest of sticks and grass
Where patiently warming had sat that sage hen lass
Sheltering eight pale green-spotted eggs
Which God and Nature brought forth from between her legs

I stopped my work and knelt to pray
Thankful for this insight into a sage grousse’s day
Then mindful of momma’s fear that I might molest
I left behind on the prairie the beautiful wild bird nest

THE PROMOTION OF R. J. (Bob) Mason to manager of Western’s industrial relations department was announced on March 30 by President Booth B. Strange. Bob has been with Western since September 1969 and has effectively served in various administrative and supervisory positions since that time. Most recently he has been supervisor of the payroll and personnel records departments.

Beverly Stephens is now senior accounting supervisor of both payroll and personnel records under Bob’s supervision. At the same time Margie Johnson was made supervisor of personnel records, and Rosemarie Martin was named supervisor of the payroll department.

KELLY ADDISON BILLIPS, son of Party 32 Driller David Billips and wife Peggy, was born on May 25. Kelly weighed 8 pounds and was 21 inches long at birth.—Roger Clay

IT IS HOLIDAY TIME. Party V-2 Permit Agent Willard Rachal and wife Shirley flew out to Las Vegas for four days to try their luck and take in some of the shows, but they had better luck at the horse races when they stopped at Denver on their way back to Colby, Kansas. Willard also received his 10-Year Service Pin and a “bonk on the head” from Party Manager H. D. (Slick) Watts.

Surveyor Jeff Clark and wife Lisa were accompanied by Helper Danny Arnold and wife Brenda to Colorado Springs, Colorado, where they spent a few days taking in some of the sights and visiting some of the many fine eating establishments.

Vibrator Mechanic Richard Zowie’s wife, Joy, their children, Sabrina, Misty, and Richard Paul, Jr., and Raphael Diaz’ children, Marcella and Silvia, were seen taking in the Colby circus.—Gregg Mosley

WESTERNERS: Remember that Windstrip news depends on you. Be sure to report interesting events involving you or your family to the PROFILE Office, Western Geophysical Company, 15300 Ventura Blvd. Suite 520, Sherman Oaks, California 91403

FALL 1977
tional inquiries revealed that one of the school's employees had gone to work for Western Geophysical Company.

"One Saturday morning at Western Geophysical in Los Angeles, with the help of Vincent Emmanuel and Joe Spinet, a meeting with Henry Salvatori resulted in my employment with Western. The first contact was to be in Bakersfield on May 19, 1937, at 10 a.m. with Ches Donnelly. My first contact was actually V E Prestine, party chief of Party 8, and later Ches, and then work on Party 8 as an assistant computer. A week later I was transferred to Party 9 of which Bill Mathews was party chief. During this time Jack Desmond was introduced to me. He had just been made party chief of Party 13. I met John Mollere on one of his stops going through Bakersfield. John was an observer then. This was the beginning of 40 years of satisfying experiences, hard work, interesting areas, many friends, numerous changes, and still the challenges.

"Now, after 40 years with Western, there is a very pleasant remembrance of receiving a 40-year award of beautiful cuff links in Houston from Booth Strange, our president.

"Back in Bakersfield, where my wife, Katherine, and the four children, Kerry, Kristine, Julie, and Jon lived for many years, the memories are strong. Much was learned from M. A. Beccalery, Dupree McGrady, Ben Niehenke, and Dean Walling during the early years. Then came a stint in Peru. Upon coming back to Los Angeles, I was sent to Chico, California; Sterling City, Texas, and, for two and one-half years, Roswell, New Mexico. This was followed by a return to Ventura, California, and then to Wasco, California. Finally, I spent three and one-half years in Taft, California, while Western used three crews to survey the Cuyama Valley area of California under the new supervisor, John A. Adams.

"The following years saw supervisory activity in Alaska, Washington, Oregon, Nevada, Michigan, Arizona, Idaho, and Utah, along with limited activity in northern Canada. Presently, in addition to oil and gas exploration, geological exploration is providing plenty of interest for this current area manager residing in Bakersfield.

"At home now are wife Katherine, son Jon, and four pets, one dog, Raskall, and three kitty-kats. Son Kerry is living in San Jose with wife Helen and three boys, John, Kenneth, Brent, and Joey, our only grandchildren. Kerry and family will be moving to Oregon to occupy a 30-acre farm and timber area near the Applegate River.

"Kristine and husband are moving to a new home in Bakersfield. Kris is executive secretary at the Broadway store in Bakersfield. Julie graduates from California State University at San Jose this year and is currently working in San Jose. Son Jon is a sophomore at Bakersfield Junior College where he is studying forestry and playing football. (Jon played in the Junior Rose Bowl game in Pasadena, California this year and was a member of the winning team.—Ed.)

"Katherine retired from teaching several years ago but is very busy with her sorority (she is a past president), volunteer work at the Kern Medical Center, and the Guild House, a support group for the child guidance center.

"In addition to interesting geophysical exploration, any spare time that I have is fully occupied by woodwork, lapidary, leatherwork, fishing, some hunting, and looking after a family gold claim on Kanaka Creek, near Alleghany, California.

"To my many friends in the energy exploration business, to fellow employees, both current and retired, and to friends who have worked for Western, remember to call and visit when in the Bakersfield area.

(Editor’s Note There was an official observance of John’s 40th anniversary date Executive Assistant to the President Margaret Hale tells about the celebration.)

Area Manager John Adams and wife Katherine were invited to Houston for a celebration of his 40-Year Service anniversary on May 18, one day early. President Booth B Strange and wife Laura hosted a dinner at the Petroleum Club honoring John and Katherine.

Sharing this memorable occasion were long-time friends and associates Howard and Christine Dingman, Jack and Rita Desmond, Aart and Margaret deJong, Charles and Betty Dick, and Carl and Sandra Savit. Everyone enjoyed reminiscing, and each mention of early-day experiences stimulated memories of other interesting episodes from those years on the doodlebug trail.

After expressing special appreciation to John for the many years of service and his contributions to Western, our president presented him with a beautiful pair of gold cuff links featuring our Western logo and set with three diamonds. John stayed over Thursday for some work in the office, and Katherine joined him in the afternoon for a tour of the building and a brief visit with other friends located in Houston.
PARTY PICKINGS
Page 18

CONTENTS

ALSO

President's Page . . . . Inside Front Cover
Looking Back in the PROFILE . . . Page 17
down Western's line
  for 40 Years . . . . Page 26
  for 35 Years . . . . Page 27
  for 30 Years . . . . Page 28
  for 25 Years . . . . Page 29
Windstrip . . . . Page 31
They Serve . . . . Inside Back Cover

FRONT COVER
Driller Gary Wright (left) and his helper, Derek Holder, are "stripping out" of the hole while they are working for Party 440 in Wales, the United Kingdom. Party 440 has also worked in England and Scotland.—Photo by Dave Brown.