TERRAIN EVALUATION

The Terrain Evaluation Section of the Geotechnical and Materials Branch in Victoria is a group of four earth science specialists using a combination of air photograph interpretation, field investigation, evaluation, geological mapping, geotechnical assessment, and research for natural hazards to subdivisions and development areas, high-route analysis and design, and aggregate resources. At present the four people employed in the section are Don Lister, engineer in charge; Dave Haughton, geological engineer; John Horcoff, geologist, and Rob Buchanan, physical geographer. During the summer the section is assisted by auxiliaries and students.

Don came to the Highways in 1972 from Nicaragua where he had been a mining geologist. While with Highways he has worked in Burnaby as an aggregate prospector and later as geophysical services engineer. Don has been involved with rock slope design, geological hazard evaluation, route corridor analysis, and townsites location.

John has been with the branch for over 22 years. He is a geologist and was one of the founding members of the terrain evaluation group. He has worked on projects throughout the Province involving highway rock cuts, bridge location design, highway route design, geotechnical hazard evaluation, foundation design, and route corridor analysis for the proposed Coquihalla (Hope-Merritt) highway.

Dave is the newest member of the group and has come to the branch via the Saskatchewan Research Council and an eastern exploration company. Dave has been with the group for almost a year and has been involved with geological hazard evaluation in the Hope Slide area and the Columbia Lake-Windermere Lake area.

Rob is the youngest member of the group, coming to the branch directly from university and spent one year with the regional office in Kamloops before coming to Victoria. Rob has spent much of his time with the group working on geological hazard evaluation in areas of glacial lake deposits, examples being Penticton-West Bench and the South Thompson River valley.

With geography students on Coquihalla project mapping study in Coquihalla Canyon. Collapsed Kettle Valley railway grade in background. Left to right, Lane Woodburn, Jennifer Field, Tom Eogan, John Horcoff, Bill Hallam, Don Lister.

Rob investigating lacustrine silt deposits in the South Thompson Valley.

Rob Buchanan and Don Lister preparing to fly into remote site.
THE ROAD RUNNER

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MINISTER'S MESSAGE

It could be said that accident frequency statistics are just numbers when they indicate worsening safety records like those experienced in 1977 by three of the Ministry's seven administrative sections. Though some groups improved, the figures averaged out to an increase in time-loss accidents, or a decrease in accident-free days. But whichever way you say it, the results of accident prevention programs cannot be read just on a calculator. They must be seen in real human terms. Each time an employee avoids an accident by observing good safety practice he prevents human suffering, disability, or even death—his own or someone else's. This is the real reason the Ministry wants to see an improvement in those numbers in 1978.

ALEX. V. FRASER
Minister

THE ROAD RUNNER

Cover Photos

One hundred year evolution of a river crossing is shown in these pictures of three Alexandra Bridges in the Fraser Canyon, 20 km north of Yale. The first, a suspension bridge on wooden towers, top, was built in 1863 and lasted until 1912. The second, also a suspension bridge, centre, was built in 1927 on the same site after a 15-year period with no bridge. The third, a 1,550-foot hinged steel arch was built in 1962, a short distance downstream from the first two. The 1927 bridge still stands as a historic site.

Cover Photos

Sharp curve at Vasseux Lake soon to be eliminated.
Section of road is responsibility of Penticton Highway District.
10-7 CLUB

J. A. (Jim) DENNISON, Assistant Deputy Minister and Chief Engineer of the Ministry of Highways and Public Works, was honoured at a dinner at Holyrood House, Victoria, on January 13 on the occasion of his retirement from the Public Service after 33 years.

Over 200 Ministry employees, together with other guests from all parts of the Province, attended the function with husbands or wives to honour the popular and well-known engineer.

Mr. Dennison began his Public Service career on April 1, 1946, as a Transit Man, Level 2. He is a graduate in engineering.

Among the guests at the dinner were Alex V. Fraser, Minister of Highways and Public Works, and Wesley Black, former Minister of Highways and Provincial Secretary, as well as representatives from several ministries.

Mr. Fraser, in presenting Mr. Dennison with a meritorious scroll and two historical books on British Columbia, referred to him as the type of man “who enabled this Province to overcome the challenge of highway construction through our mountains and our valleys.”

R. G. Harvey, Deputy Minister, and Allan Rhodes, Assistant Deputy Minister, both made presentations on behalf of Ministry staff and read messages from various parts of British Columbia. Representatives from the regions and B.C. Road Builders’ Association also made presentations. Mr. Dennison’s wife Ruth was given a bouquet and corsage by Mrs. Helen Campbell, Mr. Dennison’s secretary.

L. G. LARRY MURRAY, Road Foreman 3, Penticton District, recently retired. He started with the Department of Public Works in Vanderhoof in 1937 on a temporary basis, and worked intermittently until he joined the Armed Forces in August 1940. Upon his return he recommenced employment with the Department in January 1946, and in the following years worked in a variety of positions such as Truck Driver, Assistant Mechanic, Grader and Tractor Operator. In May 1951 he was promoted to the position of Road Foreman 3. In April 1959, Larry transferred to Vernon and this was followed by lateral transfers to Burnside in 1963, and Alison Pass where he remained for six years. In 1974 he moved to Penticton where he has served as a Road Foreman until his retirement.

BILL PHAIR, Mechanic 3 in the Cranbrook Highways District, retired October 31, 1977, after 17 years’ service. Bill was honoured at a retirement dinner where a presentation was made. He will continue his hobbies of photography, fishing, and hunting. Bill and his wife plan to travel. The Cranbrook Highways employees wish Bill the best for his retirement.

A. C. (Scotty) NEILL, McBride District Mechanic Foreman, retired in October 1977. Although Scotty continues to be active in the community of Valemount, his dedication to the job will be sorely missed by the Ministry. All the employees of the McBride District wish him continued success in the future.

DAVE EDWARDS, Mechanic 4, Assistant Shop Foreman, Vernon District, retired January 13, 1978, after 32 years of service with Highways. Dave put in all his service at the Vernon Highways garage. Dave and his wife will continue to live in Vernon where Dave has many friends. He has participated for many years in helping with minor sports in Vernon and this will continue to occupy his time in his retirement years.

EARL D. HEYD, Machine Operator 2 with the New Westminster District Sign crew, retired February 22 after 22 years’ service. Earl began in Langford and worked on maintenance, in the sign shop, and with the bridge crew before transferring to the centreline crew in 1959. He then transferred to the Cloverdale District yard and to the New Westminster sign crew in 1976. He is married with five children. He and his wife will continue to live in Surrey and devote their spare time to travelling and gardening.

CONRAD (Connie) MEUNIER, Grader Operator in the Rolla area of the Dawson Creek Highway District, was honoured at a retirement dinner and presented with a farewell gift and a replica of his grader. During Connie’s 10 years of service he was always a reliable helpful employee, appreciated and liked by all those that worked with him. Connie is now enjoying his retirement with a little fishing and repairing snowmobiles.

GORDON PUTTOCK, Machine Operator, Creston District, retired last September after 16½ years of service, all at Creston. Gordon began work for the Highways as a Labourer in May 1961. Later he was a summer works Foreman and Foreman 2 on the Salmo-Creston section of Highway 3. R. A. Jackman, District Highways Manager, made a presentation to Gordon on behalf of his fellow-workers at a gathering at the Highways Creston Yard. Gordon and his wife plan to remain on their farm in Canyon. His hobbies are motorcycling and wine-making.

BILL BOURDON, Labourer, Creston District, retired in May 1977 after 19 years of continuous service, most at Creston. He began work for Highways in August 1956 with the regional sign truck. He transferred to the Creston District in 1958, working as a Labourer, Ferryman, and Survey helper. Bill was presented with a farewell gift from his fellow-workers. Bill and his wife plan to remain in Creston, with hunting and fishing as his main hobbies in retirement.
LLOYD BURGESS, Engineering Assistant, New Westminster Highways District, retired January 27, 1978. Lloyd began with Highways in 1956 in New Westminster as a Draughtsman. His fellow employees made presentations to him, including a digital wrist watch. Lloyd and his wife Margaret will continue to live in Vancouver and spend more time in their travel trailer. He also hopes to do some oil painting and graphic art again.

EDMOND (ED) BONIN, Assistant Mechanical Foreman, Kamloops District, retired after 23 years of service. Ed commenced employment in 1954 as a Mechanic 2 in Kamloops and retired as Mechanic 5. Ed plans to remain in Kamloops after retirement and enjoy the leisure life.

The Burns Lake District recently lost two of its popular employees through retirement, the JUBIN-VILLES. NORAH was the office manager and PAUL was an oiler on the Praiseis Lake ferry. Over 50 people turned up at a party given in their honour. The two former employees have gone to winter in Arizona and we look forward to seeing them back in the summer.

LYLE WHITE, Machine Operator 3 at Rock Creek in the Grand Forks District, retired October 1977 after 22 years' service. He began as a Labourer in 1956. The entire Rock Creek crew and wives held a retirement party in Bridesville and at that time presented Lyle with a set of saws. To express his thanks for the retirement banquet, Lyle presented a coffee-maker to the Rock Creek crew. His hobbies include hunting, photography, and woodworking in his home workshop.

L. O. A. (AL) KINSEY, Road Foreman 2 at Invermere, Golden Highway District, recently received his 25-year certificate award. Al served in Golden as a Machine Operator and Foreman prior to his transfer to Invermere in 1971.

ROBERT SIME, Bridgeman 2, Golden Highway District, recently received his 25-year certificate award. Bob has served in the Golden Highway District since his continuous service entry date of May 1, 1952.

ROSS BENNETT, Machine Operator 3, Cranbrook, and AL HUOLT, Road Foreman 2, Cranbrook, were given their 25-year service awards.

JOHN FEHR, 55, employed as a Console Operator at First Narrows Bridge, died suddenly at Langley Hospital, November 8, 1977.

JOHN HOWARD ROSCOE, Highways Patrol officer, died in an accident on the Lions Gate Bridge, December 30, 1977, in the performance of his duties.

PROMOTIONS . . .

THOMAS R. JOHNSON, P.Eng., until recently Executive Director, Operations, was appointed Assistant Deputy Minister (Operations), effective March 1, 1978. Mr. Johnson, a native of Cranbrook, age 40, has been with the Ministry 15 years. He graduated from The University of British Columbia in 1961, and worked with Highways as a student for several summers, joining as a regular employee in July 1963 after two years as a high school teacher, first with the Paving Branch and then Traffic. In 1973 he was appointed Executive Director of Operations. Mr. Johnson, who is married with one daughter, replaces J. A. Dennis, P.Eng., who retired from Government service in January.

CORPORAL HARRY CUNNINGHAM recently won a promotion to the position of Sergeant of the British Columbia Highways Patrol. During the Second World War, Harry was in the RCAF and afterwards was employed by Shell Oil of Canada. He entered Government service in 1960 and has served 18 years with Highways Patrol. He lives in North Vancouver with his wife Molly. Harry's hobbies include photography, jugging, and enjoying the company of his grandchildren.

CREE HIM won through competition the position of Clerk 3 in the Grand Forks Highways District. Cree began in April 1974 as a Clerk 1 with the Department of Human Resources in Victoria. She also worked two years there with the Medical Services Plan and one year with Forestry. In her spare time Cree is enrolled in the St. Johns Ambulance first aid course and enjoys badminton, baking, and making patchwork quilts.

G. C. RAABIIS recently won the competition for Mechanic 4 at Tete Jaune, McEldowne District. He began with Highways in February 1970. George ran his own garage before coming to Highways. He started with the Highways in Rossland as a Mechanic 2, then went to Fort St. John as Mechanic 3. He enjoys outdoor life and is married with three children.

CINDY SMITH was recently promoted from Public Works to Highways as a Clerk-Typist 2 in the Director of Personnel Programs office. Cindy had been with Public Works since July 1972. She was recently married and her hobbies are skating, soft-ball, bowling, and ceramics.

DON REXIN won through competition the position of Bridge Labourer for the Grand Forks District Bridge crew. Don's hobbies include pottery, reading, and hiking.

R. W. VEITCH, District Highway Manager in North Vancouver, has been appointed Regional Maintenance Operations Manager in Region 1. Bob began with Highways in 1951 on the Fruitvale-Salmo Highway and subsequently was Resident Engineer on various construction projects, including Rogers Pass and the Salmon-Creston cut-off. He became District Official in 1964 and has worked in Golden, Merritt, Burns Lake, Prince George, and North Vancouver in that capacity. He is married with three children. His hobbies are fishing, skiing, and water sports.

New District Highways Manager at Vanderhoof is A. W. HORSNELL. Warren started with Highways in Penticton in 1956 as an Engineering Aide 1 with the Location Branch. He worked in many areas of the Province until 1965 when he was transferred to Prince George. In 1968 he was promoted to Technician 1 at Prince Rupert, where he remained until 1972 when he transferred to Vanderhoof as Technician 2. Warren was acting District Official in Vanderhoof for nine months prior to his selection last September. Keen on curling, fishing, and camping, Warren, his wife, and family keep busy with these activities and work on their cabin at Fraser Lake in their spare time.

MICHAEL C. BISHOP recently won through competition the position of Technician 1, Project Supervisor for the Paving Branch, at Williams Lake. Mike came to the Dawson Creek District from the Paving Branch and is now returning to it, commencing his duties April 1, 1978. Mike is married with one daughter. He enjoys reading and is a good golfer.

ROBERT G. STRAIN, District Coordinator in the Golden District, was promoted to Technician 1, District Coordinator, Fort St. John District. Fellow-workers gathered for a social evening to wish him and his wife Sandy, and family best wishes.
ABOUT PEOPLE . . .

DON FRENCH, P.Eng., was recently appointed Regional Bridge Engineer, Region 1. He was formerly with A.I.M. Steel Limited, Vancouver. He spent 23 years in the structural steel fabrication and erection business as a designer, plan engineer, and operations manager in Quebec, Alberta, and more recently in British Columbia. He is married with three children. Don's hobbies are golf and skiing.

JOHN KENNEDY, Yardman in Castlegar, has served the Rossland District for 14 years in various capacities such as a Machine Operator, a Foreman in charge of maintenance, construction and fabrication, and a supervisor. John has gained the respect of his fellow-workers and supervisors alike.

ROY BYHRE, Machine Operator 4 at Beaverdell in the Grand Forks District, began with Highways as a Labourer in 1974. At various times Roy has acted as relief foreman. When not working around his home and hobby farm he enjoys fishing, camping, hunting, and other outdoor activities.

EXTRACURRICULAR ACTIVITIES

 Handling the timekeeping changes over the past years, Mrs. JOSIE HAMILTON, Clerk 3, Rossland District, still manages a smile and gives a helpful hand to all while still keeping her own work right up to standard.

BRUCE CASEMORE, Road Foreman 2 at Fruitvale, Rossland District, is well known throughout the Kootenays, having worked in most of the districts in Region 3 on a construction crew before becoming a Road Foreman at Edgewater. Bruce was transferred to Fruitvale in November 1968.

RICK HAWORTH, Maintenance Management Co-ordinator for the Grand Forks District, began in Nanaimo in 1974 on the District Survey crew. In 1976, Rick won through competition the position of Co-ordinator in Grand Forks. His hobbies include sailing, fishing, hunting, camping, travelling, swimming, bike-riding, and playing the guitar. Rick is also the field editor for Grand Forks.

DEBBIE SMITH started as an Auxiliary Clerk in January 1977 in the Rossland District and was recently appointed as Clerk 2. Debbie and her husband live in Rossland. Her hobbies are woodworking and skiing.

JOE CZECH, a Machine Operator 4 at Beaverdell in the Grand Forks District, began with Highways in 1974 as a Labourer. Joe enjoys snowmobiling and fishing as well as camping.

L. (BUD) MACK, Mechanic 2, heads the Rossland District Safety and Health Committee. He comes well qualified for the position, holding a Class A Industrial First Aid Certificate and a keen interest in safety. Chairing the meetings also comes easily to Bud since he served a term as President of the Rossland Kinsmen Club. In his off-hours Bud volunteers his time as an ambulance driver as a service to his community.
This would have been part of the view had an ambitious 1911 road project from Argenta to Wilmer on Windermere Lake gone ahead. One of many photos accompanying a detailed report dated August 24, 1911, from J. P. Forde, Assistant Engineer, to Public Works Department headquarters, the picture is captioned “Glaciers at head of Hamill Creek, from summit of Wells Pass.” A reconnaissance survey of the proposed route by way of Toby Creek over the Wells Pass and Hamill Creek was apparently requested by the Minister of Public Works. Mr. Forde walked the 70 miles and he estimated the cost of a good “motor road” at $156,900 or about $2,300 a mile. (Rough estimate for the proposed 70-mile Coquihalla Highway is $250 million!) Looking at more than just the engineering, Mr. Forde became almost lyrical in his official report: “Immediately on reaching the summit of the Pass an enormous amphitheatre ... comes into view, and a view of mountains, glaciers, and water falls, such as I have never seen elsewhere, and which are indescribable in their grandeur, is obtained.”

“Engineers Conquer the Fraser Canyon, Wonder Highway Links all B.C. by Road.” That’s what the headline said in a feature story in the April 17, 1926, issue of the Victoria Daily Times. The story, covering a full page, was written prior to the opening of the highway. A sub-head said the new road will “Thrill World’s Travellers” and “Join Coast with Vast B.C. Interior For First Time.” The above picture was taken at Mile 7.5 shortly after the road opened. It was a toll road with the booth set up at Yale for east-bound traffic. Note wooden trestle just beyond parked car. Several of these trestles existed in sections of the Fraser Canyon until the late 50’s.
TRAINING AND SAFETY

The Lytton Maintenance Crew, Merritt Highways District, were presented with an award of distinction for having worked from February 1, 1962, through to June 30, 1977, an amazing total of 330,355½ man-hours without a disabling accident. The presentation of the award of distinction was made by Roy Gittins, Regional Highways Engineer. Left to right, back row, Dave Grant, Regional Safety Officer; Del Jackson, Norm Hoffman, Lee Nicolson, Jim McKay, and Red Arnold. Front row, Eugene Marshall, Gordon Sewart, Eli Maceik, and Roy Gittins, Regional Highways Engineer. Missing, J. Adams, F. Coultit, J. Durant, L. Haugen, S. L. Walkem, and W. R. Williams.

Kamloops District Truck Roadeo was held last September. During the day, 125 competitors were put through the course in either the 4-ton or crewcab category. First in the 4-ton category was Jerry Beddington, Barriere maintenance crew; second, Norm McGliven, Kamloops maintenance crew; and third, Jim Powell, Barriere maintenance crew. Regional Engineer Roy Gittins presented awards. First in crewcab was Dick Yamakata, Design and Survey Branch; second was Ken McMillan, Kamloops District survey crew; third was Dave Schleppe, Kamloops District draughtsman.

The McBride District Safety Trophies were awarded to the McBride Office. Back row, S. R. Young, District Highways Manager; Doug Grant, Regional Safety Officer; P. S. Murphy, District Co-ordinator. Front row, A. Buckel, District Technician; B. Hartman, Clerk-Typist.

The Ministry’s 1977 safety awards were announced recently and Region 3 won the Minister’s Trophy with the lowest accident-frequency rate of 38.2.

Districts winning awards were Chilliwack (17.3), Salmon Arm (43.7), Creston (15.0), Dawson Creek (48.9), Prince Rupert (34.0), and Saanich (32.2), which received safety awards in their respective regions.

Safety achievement awards for the best percentage improvement during 1977 were won by Gibsons, 100 Mile House, Cranbrook, Dawson Creek, Prince Rupert, and Saanich.

In his message to all senior officials, Assistant Deputy Minister A. E. Rhodes pointed out that the Ministry’s over-all record had deteriorated in the past three years. In 1977, Regions 1, 3, 5, and 6 had all achieved accident-frequency improvements, but Regions 2 and 4 and Headquarters had caused a net Ministry loss with their poorer showings.

Jim Hayes, Machine Operator 7, who is at present on the extended sick-leave plan, discussing old times with Roy Gittins, Regional Highways Engineer, at a recent safety rally held in Merritt. Sitting directly below Mr. Gittins is Joe Wurmlinger, who recently won the position of Machine Operator 7.
ABOUT PEOPLE . . .

JEAN C. HAUBRICK, Timekeeper
Clerk 3 in the Smithers District office, began with Highways in 1976. She is married and enjoys curling, bicycling, playing bridge, and reading, when time permits.

NADINE HEATHERINGTON is a native of Victoria. She joined the Saanich District office in May 1977 where she works as a Clerk-Steno. Nadine spends much of her spare time in her favourite sport, curling.

JOANNA DRYDEN, Clerk-Typist 2 in Port Alberni District office, has been with Highways since March 1975. Joey is single and enjoys bowling and is planning to coach a minor girls softball team this summer.

COLLEEN HALLER, Clerk in the Golden District office since September 1977. Colleen is kept busy by the District Co-ordinator and District Office Manager dealing with daily activity cards. Born in Vernon and raised in Golden, Colleen likes skiing, skating, bowling, and church work involvement.

ROSS DEVEAU is an Engineering Aide in the Saanich District. His duties include the inspection of subdivision and permit applications in the Sooke area as well as the outer Gulf Islands, Pender, Galiano, Saturna, and Mayne. He enjoys raising house plants and is also an avid reader, particularly science fiction.

PAT O'BRIEN, Stockman, Fernie District, began with Highways in 1974 as a Labourer. He was later promoted to Machine Operator 3 and his most recent move was to the stock room. In his spare time he takes part in cross-country skiing and enjoys fishing and camping.

Ralph Dupas, Senior Road Foreman at Smithers, began with Highways in 1957 as a Machine Operator at Hazelton. He became a Road Foreman in 1966 and moved to Smithers in 1977. Ralph is married with four children. He enjoys carpentry, camping, and hobby farming.

FRED HUGHES, Engineering Aide, joined the Saanich District survey crew in 1976. Previously he worked for the Paving Branch for five years. Fred is married and has built his own house. He is also involved in sports activities, badminton, and hockey.

DAVID BIRD, Clerk 1, Maintenance Management, Dock District, New Westminster. David joined Highways as a summer student in May 1977 and stayed on while finishing university at night. He enjoys swimming, water and snow skiing.

NICK VANDERMOLEN, new Engineering Aide 3 in Port Alberni District office. His duties will be handling subdivisions. Nick's hobbies are scuba diving, skiing, and skating. Nick is single and currently constructing a house in Coombs.

ED GOKIERT, Machine Operator 4, joined Highways in March 1956 in his home town, Sidney, B.C. Ed has operated many types of equipment for the Saanich District over the past 22 years.

NICK VANDERMOLEN, new Engineering Aide 3 in Port Alberni District office. His duties will be handling subdivisions. Nick's hobbies are scuba diving, skiing, and skating. Nick is single and currently constructing a house in Coombs.

DOUG BAIN, Senior Road Foreman 4, Grand Forks District, began with the Highways in 1954 as a Road Foreman at Birch Island. Doug's hobbies are gardening and travelling.
LLOYD GALL, District Stockman in Salmon Arm, has been with Highways since May 1966. He has a busy time trying to keep ahead of spare parts and materials for a Mechanical Foreman, six Road Foremen, and a Bridge Foreman. He started out at Oak Street Garage, went to Cloverdale, and then to Salmon Arm in May 1970. He purchased a house boat last year and spends the summer fishing.

MURRAY RAMSAY, Technician 2, Salmon Arm office, has been with Highways for 26 years and handles subdivision applications. During World War II, Murray entertained his buddies with his skits and musical arrangements, and even composes his own songs. He recently played the mandolin at a farewell party. Murray and his wife Ginger spend the summer on the golf course.

KEN PENNER, Engineering Assistant in the Smithers Highway District, began with Highways in 1971 with the Construction Branch in Nelson. He worked in Grand Forks, Creston, Sicamous, and Nakusp and then left Highways for a short time in 1973. Began with Highways again in Manning Park, then to Princeton and Penticton where he applied for the Engineering Assistant position in Smithers and was successful. He is married and enjoys canoeing, snowshoeing, and making furniture.

N. R. ALDERSON, Road Foreman 3 in New Hazelton, Smithers District, began with Highways in 1964 as Labourer in McBride. He became a Machine Operator and transferred to Q21 crusher and then to Tête Jaune as a Machine Operator and relief Foreman. He was then promoted to Road Foreman 2 in Atlin, then transferred to Fort St. James in the same capacity. He was promoted to Foreman 3 in Kaslo before his transfer to New Hazelton. He is married with two children and enjoys music and sports.

SHELLEY ALLAN has been with Headquarters Personnel since August 1977, starting as an Auxiliary and then changing to a regular Clerk-Typist I position in December. Her favourite pastime is playing softball.

O. M. NORDSTOKKE, "Oddie" to his co-workers, looks a bit glum pondering the metrification of the Road Register. Oddie has been employed with Highways at Vanderhoof since 1975. A native of Norway, Oddie is a proficient cross-country skier, which he enjoys with his wife and seven children on their farm at Engen.

LOIS V. TAYLOR, Clerk-Stenographer 2, Dawson Creek Highway District, returns to her old desk after attending to her family for a few months. Lois enjoys her work as District Senco and has no trouble keeping busy.

MARY JANE LEZETC, Clerk 2, started with Maintenance Management as an auxiliary in December 1976 and her position became permanent in November 1977. Mary's duties as an Input/Output Control Clerk involve computer processing for both maintenance and equipment management systems. Mary is married and has a degree in home economics. Her interests include needlework, skating, and camping.

ROBERT J. TAUFFENBACH, Stockman, Dawson Creek Highway District, transfers to Langford to take up duties as Senior Stockman at the Government warehouse for all ministries. Employees gathered at a dinner to wish Bob farewell and presented him with an autographed hat and a pen set. Bob and his wife Leona are old-timers of the Peace River District, originating from the early settlers and farmers in the area.
ON THE JOB . . .

Fred Earl, Machine Operator 2 (ferryman), Eugene Marshall, Road Foreman 3, Lytton, and Lester Charlie, Machine Operator 1 (deckhand) of Merritt Highways District, taking a "photo" break for the RR. This Lytton ferry was just recently rebuilt with a Bailey bridge deck system. The "Captain's cabin" is equipped with propane heat and has a lighting plant so that the ferry can operate during the evening hours.

Installation of steel stringers on Green Mountain Road, Penticton District. Left to right, G. Rozander, F. Vaillancourt, B. Sainsbury, and L. Batie, Bridge Foreman.

Cattle underpass extension on Roadhouse Hill, Penticton District. Left to right, Gerry Rozander, Guy Inkster, and R. Wiltse.

Temporary detour is required while the Vernon District Bridge crew installs an 80-foot cattle underpass on 97A north of Vernon.

John Bergen, Road Foreman at Southbank, and John Clark, District Technician, Burns Lake, investigating vandalism to signs at Southbank. The new floating dock and ferry terminal for the François Lake ferry are in middle distance.

Repairing damage to Whipsaw Bridge, Princeton District area. Left to right, F. Vaillancourt, R. Wiltse, and Alex Gordon, Road Foreman.
This close encounter of the geared kind was observed outside the District Office in Burns Lake. Driver of the Highways vehicle, Bob Saul, Regional Driver Trainer, states that driver of the other vehicle, Bob Hutton, District Highways Manager, reversed up the snowy 12 per cent grade hill and hit him. Only damage was to someone's pride—either the "encounteror" or the "encounteree."

Janet R. Gall, Machine Operator 3, Golden Highway District, is the first female in Region 3 to acquire her Class 3 driver's licence and recently has successfully completed an air-brake course. She operates 4-ton vehicles on winter shifts which involves snow-ploughing, sanding, and salting, etc. Born in Lethbridge, Janet is married and enjoys cooking, cross-country skiing, and cycling.

Part of the Vernon District Sign crew at work maintaining district road signs. John MacNiven and Brenda Kelly are shown here replacing fingerboards.

Vernon Flag persons trying to tell RR photographer something. They are, left, Sherry Mohoruk and Karen Jonsson in summer last year.

George Wishart, Machine Operator 4, Saanich District, assists in the stockpiling of new no-post guardrail sections. These will later be shipped out to the various areas throughout Regions 1 and 6. The District has recently completed construction of a no-post guardrail fabrication shed at Langford. This building is equipped with an overhead hoist used for lifting and removing completed sections from the moulds. Crew members are Doug Metka, Labourer; Grant Millikan, Labourer; Brett Lanier, Labourer; and Jim Woodend, Labourer.

Jack Pyle, Bridge Foreman 2, Vanderhoof District, stands at the centre of the new Nooksic Bridge at Fort St. James which was opened to traffic last year. Roy Dryer, Foreman 2 at Fort St. James, drove the first vehicle across. Bridge construction was carried out by Manning Construction under the overall supervision of Ted Peters, Bridge Branch. The Vanderhoof bridge crew constructed the approaches. The old Nooksic Bridge was destroyed by fire two years ago.

Some members of the Boston Bar Maintenance crew practising locating a "beeper" which was buried under the snow. This is a practice that all members of the Highways located in the Hope, Boston Bar, and Lytton areas are schooled in. A beeper is hidden in the snow, to represent a workman or vehicle buried in an avalanche, and the men try to locate it through the receiving portion of the beeper. Once the men are familiar with the process the beeper can be found very quickly. It almost looks at if Tom Perletti, on top of snow bank, has the beeper's position and is ready to pounce on it.
ON THE JOB . . .

Bridge Foreman Sam Reid, left, Merritt Highways District, doing some last-minute calculations before his crew starts jacking up Drynoch Overhead Bridge. The bridge is lifted every couple of years or whenever there is some settlement. Eight 26-ton jacks in place, right, during the raising of the bridge. Work was undertaken by the Merritt District Bridge crew. The bridge had to be raised 22.5 cm on the west side and 15 cm on the east side of the west abutment.

The Rossland District recently bench a high through-rock cut on Highway 3, right picture, to eliminate rock fall and provide a storage area for snow when the blower is in operation. Previously, snow had to be trucked away. Interesting was the use of water for scaling purposes. Water was supplied by a high-pressure pump mounted on the District’s water-tank truck, outfitted by the Rossland shop under the direction of Russ Broughton, Mechanic Foreman. It can be filled from a stream or a fire hydrant and is equipped with a flusher bar on the front. With the truck in Operator Don Roberts, right, who maintains it in spotless condition. Some of the other jobs performed by Don are flushing sand off the roads in spring, following shoulder-grading operations, rather than using a broom and cleaning culverts.

The Omineca Princess out of the water for annual refit and emergencies. The view is looking south on the way to Ootsa Lake, 30 miles away. Right, from the top of the floating dock, the Omineca Princess leaves Southbank on its way across François Lake.

At the controls of the floating dock at south side of François Lake is Jim Robson, Bridge Foreman, Burns Lake, left picture. The dock is raised and lowered on an even keel by adjusting the amount of air entering or leaving the buoyancy tanks. It is used to raise the Omineca Princess out of the water for annual refit and emergencies. The view is looking south on the way to Ootsa Lake, 30 miles away. Right, from the top of the floating dock, the Omineca Princess leaves Southbank on its way across François Lake.
The culvert replacement along Barrett Station Road was done by the Houston crew, Burns Lake District. After completion the culvert was placed in position in Stock Creek. Hopefully, another washout problem eliminated.

Dennis Menhinick of the Houston crew, Burns Lake District, guides another piece of culvert into position, watched by Ray Makowichuk and George Barton.

Terrace Highway District at work widening sections of Terrace-Kitsault Highway. Derek VandeVelde is inspecting air hose at left as Tom McBride operates the drill.

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Al Park, Machine Operator 3, and Tom Armitage, Sigoman, Merritt Highways District, seen here painting arrows on a three-lane section of the Trans-Canada Highway. The templates shown in the picture was manufactured by C. Wylle, Bridgeman, and fold down to a maximum length of 2 feet.

Rogers Pass Avalanche Course doing a snow profile. Left to right, Dale Holmes, Creston District Avalanche Technician; Jim E. Steven, District Highway Manager, Williams Lake; Vince Adamski, Road Foreman, Boston Bar; Pat O'Toole, District Highways Manager, Lillooet; and John Zaporozan, District Technician, Pentiction. Geoff Freer, Senior Avalanche Co-ordinator, took the picture.

Salmon Arm Highways District has the responsibility of maintaining the Trans-Canada Highway through Salmon Arm. Sections have to be replaced at times to provide a better road base and improve conditions. Here Ray Pakka, Temporary Road Foreman 1, carries the shovel, while George Wilson operates the Gradall.

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ON THE JOB...

Damage to a section of Port Alice Road in the Port Hardy area caused by heavy rains in October 1977, which resulted in wash out of Waukwaas Bridge 2, left, a log crib and stringer bridge.

On the morning of November 14, 1977, a fire started in one of the shop buildings in Kamloops District Yard. Destroyed in the fire were the steam bay, tool storage room, and a two-bay body shop with a warehouse in the attic. The paint shop and air shop also housed in the building, received smoke damage. The fire took four hours to extinguish. Temperature at the time was well below freezing, creating a problem with the water. Left picture, the back of the building shortly after the height of the fire and, right picture, the front of the building after fire was out.

The Bamfield boardwalk is one of the structures maintained by the Port Alberni Highways District under the guidance of Sonny Logan. The boardwalk is located on the west side of Bamfield Inlet, which has no roads or vehicles. As trail construction is difficult on the steep slopes of the inlet, the boardwalk was built to provide access for residents.

Tom Perfetti and Terry Dirk, of Merritt Highways District at Boston Bar, removing 18-inch no-post guardrail from Jackass Hill on the Trans-Canada Highway prior to the repaving of the highway.