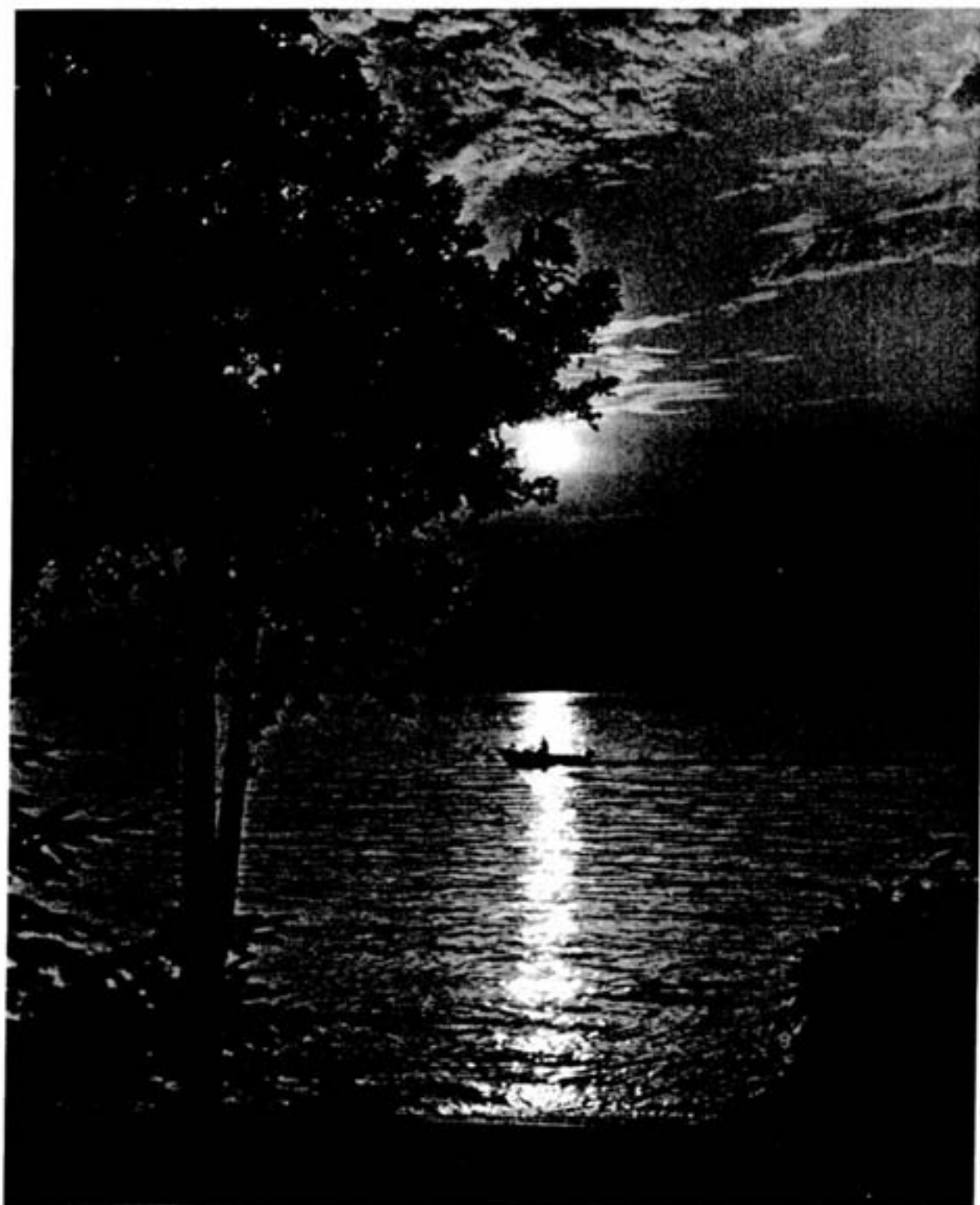




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Chairman Announces Executive Changes

Dr. William Steven was elected vice-president, process technology and product development, of The International Nickel Company of Canada, Limited, it was announced at Toronto by Henry S. Wingate, chairman and chief officer of the company. Mr. Wingate also announced that Louis S. Renzoni, vice-president and manager of process research (Canada), will become vice-president, process research.

Both Dr. Steven and Mr. Renzoni will be based in Toronto and



Wm. Steven



L. S. Renzoni

will work in cooperation with executive vice-president P. Foster Todd.

Dr. Steven had been assistant vice-president of the Company, and manager of the development and research department. In addition to his prior responsibilities — directing International Nickel's alloy research and related activities — he will now be responsible for planning, coordinating and directing the process technology of all primary product-producing operations. His new duties include: providing technical direction, advice and data to operating personnel and to management on existing extraction and refining processes; approving changes and new processes at existing operating facilities; recommending and reviewing process research projects; and approving the scheduling of pilot plant activities at operating locations.

Mr. Renzoni will plan, coordinate and administer the research required to develop new and improved extractive processes to assure that the Company remains in the forefront of the extractive metallurgical field. He will be responsible for the process research activities of the J. Roy Gordon Research Laboratory and the Company's Port Colborne (Ontario) research stations, and for developing the procedures to



"They say he makes very good bonus."

be followed in carrying out research programs in pilot plants at operating facilities.

Bill Bihun

Retired now on service pension from Creighton No. 5 shaft, after 35 years with Inco, Bill Bihun had plenty of time during his long trip from West Ukraine to Canada in 1928 to think about the type of work he wanted to do when he got here.

Westward bound on the train out of Halifax, he made up his mind — it wasn't going to be farm-



Mr. and Mrs. Bihun

ing. Born on a farm in 1903, he'd spent 25 years among the cows and the cabbages, and that was enough.

Mining presented a challenge and a change of pace, and he went underground for the first time at Frood in 1928. A move to the Errington mine at Chelmsford was followed by construction work at High Falls, and he returned to Frood in 1933.

He switched to Creighton shortly after, and for the last 25 years has worked as a motorman on 5200 level there.

Bill was married to Anna Juzkow in 1927, and she joined him in Canada in 1937. Their family of two are Jean who lives at home, and Bill Jr. in Toronto.

Comfortably settled on Ash Street in Sudbury, where they've lived for the past 10 years, Bill and his wife still miss the friendly and family type atmosphere that they enjoyed so much during the time they lived in Creighton.

Walter Haddon

Walter Haddon was only 10 when he lived in Coniston for less than a year back in 1914, but he enjoyed the town so much in those few months that when he was old enough to fend for himself in 1926, he left the big city of Montreal, headed west to work



Mr. and Mrs. Haddon

at the Company's Coniston smelter, and stayed there until his retirement on service pension.

Born in Nottingham, England, in 1903, Walter came to the Mond Nickel plant at Victoria Mines with his family in 1913, and after a short while there and in Coniston, grew up in Toronto and Montreal.

Starting with the Company in the matte room, he moved to the mechanical department and the round house in 1935, and since then has seen service in the carpenter shop and the machine shop.

A young lady from Glasgow, Scotland, became Walter's bride in 1939, and the couple have one daughter, Anne (Mrs. John Murray), who lives in Timmins with the four grandchildren.

Active in community affairs, Walter has served on the Coniston public school board for 14 years, and was also on the library board.

Comfortable in their neat home on Edward Street in Coniston, where they've lived for 30 years, Walter and Mrs. Haddon have no immediate plans for relocation. "We like Vancouver and Southern Ontario," he said. "But this is such a friendly little town — we'd hate to leave."

Glenn H. Curtis Joins International Nickel

Former president and chief officer of Stone & Webster Canada Limited, Toronto, a leading design and construction firm, Glenn H. Curtis, has joined The International Nickel Company of Canada, Limited, as vice-president and chief engineer, Henry S. Wingate, chairman and chief officer, announced August 1.



Glenn H. Curtis

Mr. Curtis will be in charge of general engineering on a worldwide basis, responsible for the design and construction of the Company's expanding surface, mining, smelting and refining facilities. He will make his headquarters in Toronto.

Mr. Curtis resigned as president and a director of Stone & Webster Canada Limited in June of this year. He joined that firm, a member company of an international organization providing engineering design and construction management services, in 1955 and was named president in 1962. Prior to his association with Stone & Webster, Mr. Curtis was associated with a major construction firm headquartered in Montreal.

A native of Toronto, Mr. Curtis graduated from the University of Toronto in 1948 with a B.A. Sc. degree in civil engineering. He received an M.B.A. degree from Harvard University graduate school of business administration in 1950.

Mr. Curtis lives in Toronto with his wife, the former Margaret Harrington, and their three children, Glenn, Suzanne and Caroline.



Surrounded by a bevy of beauties, and not complaining one bit, is Alvin Shabel, research station technician at Port Colborne, shown with his wife Catherine and their five daughters, Sandra, 11, Christine, 9, Wendy, 7, Barbara, 6, and Rhonda, 1. Alvin has been with Inco four years, likes golf and horseback riding for recreation.

An Incoite since he left Thurso, Quebec, in 1941, Al Demers is a construction leader at Creighton No. 8 shaft. His busy wife Cecile has taught advanced sewing to night school classes for five years; she is shown wearing one of her own creations. Their fine family are Pierre, 20, Michel, 17, Carole, 16, and Anne, 10.



There are two Crean Hill miners in this pleasant family group. Head of the household, Ray Fortin joined Inco at Murray in 1947, moved to Crean Hill in 1964, is a longhole driller. Son Bob, 19, works underground on construction. Seated around their mother, Valeda, are Celine, 10, Richard, 18, and Larry the 13-year-old hockey whiz. The Fortins are outdoors fans and spend every available weekend at their camp on Kukagami Lake.

INCO FAMILY ALBUM



Here are Stobie mine switch conductor Nick Chamulak and his wife Geraldine with their son and daughter, Bobbie, 12, and Anne, 9. With Inco since 1950, Nick's hobby is racing pigeons. He started his flock in 1959, now has 50. Born in the Ukraine, Nick lived in Germany and England before coming to Canada.



Community-minded Tom Raynor of the Thompson accounting department is a service club president, and his wife Stella and their family are much interested in Guides and Brownies. The girls are Candace, 12, Margaret, 10, Carol, 6, and Gayle, 3. Camping trips rate tops with this group, and they're off to the West this summer.

Travellers on Highway 17 may have noticed a Jeep motor sitting in the window of a Waters Township home. "It just happens that I've been finishing the house and rebuilding the motor at the same time," explained Copper Cliff garage mechanic John Whelan with a grin. Shown with him here are his wife Dolly, Sharon, 12, Debbie, 11, Melanie, 5, and John junior, 9.





Well back of the foul line, which is the front of the six-foot square sand box, Fred Stobie's Cliff Villeneuve hoists one into the sun. Watching teammates are Charlie Rafuse, Jim Seawright, "Lucky" Dunn, Len Binn, Lloyd Douglas, and Fred Stobie captain Henry Dunn.

Seven Teams in Horseshoe League

A typical summer sound, the ring of steel on steel as three and a half pounds of forged horseshoe strikes home on the peg, can be heard drifting through the evening air when the 100 members of the Sudbury and District Horseshoe Association vie in inter-club competition.

The seven clubs currently pitting skills in the league are Frood-Stobie, National Tavern No. 1 and 2, Lively, Levack-Onaping, Lockerby, and Hammer's Nickel Belt

Hotel. "It's a pleasant way to spend an evening out in the fresh air," said association president Ed Champagne, "and good exercise. Many bowlers take to it during the off season to keep arm and eye sharp. And it takes a keen eye and a strong arm to lob the shoe 40 feet to ring the peg."

Other members of the association executive are vice-president Pete Glendenning, treasurer Norm Dupuis, and recording secretary Gordon O'Neill.



Two other Frood-Stobie marksmen are seen in action here. Preparing to throw a one-and-a-quarter turn shoe, left-hander Charlie Rafuse carefully draws a bead on the peg. On the right, Jim Seawright draws back to deliver his favorite one-and-three-quarter turn shoe.

Louis Gore Starred in Special Assignments

A man whose name was synonymous with the practical application of many major new developments in Inco mining methods, Louis Gore has retired on disability pension.

His working career was cut short at 61 by an unusual blood disease from which a less husky and virile man would not have recovered. He fought it off as long as he could, but finally after two and a half months in hospital he agreed to call quits.

The last six of his 38 years with

the Company were spent at Thompson, where his long experience and wide knowledge were invaluable as shift boss of the school stope for training miners for Inco's new Manitoba operations.

Born in Austria, Louis Gore came to Canada in 1929. Short of money but long on determination, when he heard there was a chance of a job at Levack mine he just stuck around, sleeping under the tables in the boarding house and doing odd jobs until he got his break.

After the Levack surface plant was destroyed by fire Louis was transferred to Frood as a driller.

He was a stope boss from 1931 to 1941, and then started on a long association in a roving commission



Mr. and Mrs. Gore

for the mines research department.

A man of prodigious strength who revelled in hard work, he was also a skilful and responsible operator. In one experimental assignment after another he took the new ideas and equipment supplied by the engineers and put them to work, often suggesting or improvising to develop a successful practical application. His job took him to several mines of the district, and new drilling techniques, jumbos, igniter cord, sand filling methods, slushers, and roofbolting, were some of the innovations with which he was involved.

With a drill and a small portable compressor he was flown in to the wilds around Mystery Lake, long before Thompson was discovered, to get some ore samples. He had a similar experience up at Ferguson Lake. "There were about 5,000 caribou watching me man-handle that compressor," he says. "Nobody else around."

"I was a mine superintendent once," Louis recalled with a grin. "We had to slash some drift samples in the old Whistle mine. I had four men with me."

His health recovered to where he can enjoy his retirement, Louis is busy refinishing his summer camp at Tomiko Lake, near Sturgeon Falls.

He has a fine home in Sudbury, on Bancroft Drive, and other investments in the city.

He was married in 1948 to Betty Coulombe of Noelville, and has a family of four: Dennis, 16, Marlene, 14, Wayne, 9, and Jo-Anne, 5, who was born in Thompson.

Paul Gottfried

"I worked on the railroad in Hungary for seven years. The work was hard and the wages were low. I decided to join my brother in Canada and was soon on my way."

Paul Gottfried, born in Pozor, Hungary, in 1905, arrived in Canada in April, 1929. He came to



Mr. and Mrs. Gottfried

Port Colborne where his brother was employed at the Inco nickel refinery.

Paul became an Incoite on May 23, 1929, and, except for one summer's work in the tobacco fields in 1932, when the plant was

shut down, the International Nickel Company has been his only employer in Canada. He had worked in the electrolytic department since 1934 and was a boxman from 1951 to the time of his early service retirement.

Paul was married in 1933 to Margaret Pisko, who died in 1957. They had one son, William, now residing in Cleveland, Ohio. His second marriage was to Anna Ignace in 1958.

Retirement will mean taking things easy and enjoying his leisure. "I was looking for a hobby and tried my hand at fishing once," said Paul. "I sat there for over an hour, patiently waiting for something to happen." It did! Paul threw his newly purchased fishing paraphernalia into the water and went home. A daily walk uptown and attending to a small vegetable garden will be all the activity Paul wants.

Joe Lachapelle

Joe Lachapelle knows the tramways on the Frood 14, 16, and 18 levels as well as he knows the back of his hand. He should—he's travelled them as a motorman for the last 20 years.

There'll be no more tramping for Joe though, he's retired on disability pension after 26 years with Inco.

"It's the discs in my spine," said he as he twisted in his chair to find a comfortable position.

"They've been giving me trouble since '48, but recently it got so I could hardly walk." Happily, since



Mr. and Mrs. Lachapelle

his retirement, his condition has improved and he's mobile again.

Joe, who was born in 1918 and was one of a family of seven raised on a Monetteville farm, recalls that the town was not always as handy to get to as it is today. "To get our supplies we had to go 30 miles by boat to Sturgeon Falls."

He left the farm for Inco and Frood mine in 1938, worked as a nipper and a powderman, and climbed behind the controls of the husky underground electric locos in 1948.

By the late 30's, Joe's dad was owner of the New Commercial Hotel in Verner, and the young cook there was attractive Laurianne Barrette of Lavigne. She and Joe were married in 1940. Now he's helping her run their confectionery store in Sudbury.

"We feel we have two families," said Joe with a grin. "We have one grandchild already, and the youngest in our family of six is only five."

Their eldest daughter Gisele (Mrs. Rodolphe Trotter) lives in Kapuskasing, Denise (Mrs. Stan Clevette) in Niagara Falls, and Gerald, 17, attends Notre Dame College. Lisa is 8, Rachel, 6, and Charmaine, 5.

Started As Rock-Picker At Crean Hill, Aged 12

"I guess you can say I helped to make a bit of nickel," said service pensioner Al Cullen, a longtime Copper Cliff smelter converter skimmer, who has been in the business since he was a 12-year-old rock picker at the Crean Hill mine. "I've worked for the company for 42 years and they were all good," he continued. "Everyone was always kind to old Al."

Victoria Mines, site of the original Mond Nickel Company smelter, was Al's birthplace in 1904,



Mr. and Mrs. Cullen

and he was nine when his family left for Coniston, where the new plant was located. The family moved in 1918 to O'Donnell where the young lad was hired as a waterboy at the roast yards.

He was a locomotive fireman when the yard closed in 1929, and was transferred to the mechanical department at Copper Cliff smelter where he continued to shovel coal into the ever-hungry fireboxes.

His long partnership with the converters started in 1932, and he punched tuyeres for a year before he "moved up front where the action is" as a skimmer.

Al chose a Verner girl, Jane Denomme, to be his bride in 1932, and they settled in Gatchell where they raised a family of five. Daughter Connie (Mrs. Tom McCann) lives in Eganville. Danny in Woodstock, Cameron and Shirley (Mrs. Eddie Lowe) in Sudbury, and Brian, 18, with his parents in Copper Cliff, where the couple have lived for 22 years.

"The boys gave me a dandy send off," said Al who was the guest of honor at a "stag and doe" party held at the Sorrento Hotel. "More than 400 of them turned out to say

farewell." A purse of money was presented to him and roses to his wife.

"Aussie" Nelles

"I was christened William Austin Nelles," said the Frood disability pensioner, "but I think you'd better call me 'Aussie' in your story or the boys won't know who you're writing about." He has worked for Inco at Frood for 27 years.

"Aussie" was born in Thessalon in 1906, found a job at the local lumber camps in 1923, and was



Mr. and Mrs. Nelles

working at the Hope Lumber Company mill in Blind River when it burned in 1926.

He came to Sudbury in 1929, worked as a rigger during construction at the Copper Cliff smelter, drove a milk wagon from 1931 to 1941, and then joined the Company on the 2000 level at Frood. He worked as a driller and as a timberman, and was an ore pass tender when he retired.

Myrtle King of Thessalon became "Aussie's" wife in 1924, and they were blessed with a family of two. Son Glen was 29 when he died in 1953, daughter Margaret is the wife of the Rev. Walter Marttila of Toronto. Five grandchildren complete the family.

"Aussie" and his wife live in "the house on the rock" at the corner of Regent and Austin streets in Sudbury, and for years have provided passers-by with a colorful flower display. "I was pleased when the street was given my name," said "Aussie".

It's adventure time for the couple who plan to join the tent trailer brigade and take off for parts unknown. "We haven't planned a thing," he said. "That way it's more exciting."

Bill Hutchinson Hot in Lively Golf

Copper Cliff's Bill Hutchinson had his irons under beautiful control for the annual open tournament at Lively Golf Club. He fared the par-3 course with a 27-hole qualifying score of 86, one better than Fred Silver, and then went on to win the championship fight with a 54-hole total of 178. He's seen here receiving the



Jim Dewey memorial trophy from Alex Godfrey, assistant to the division general manager of Inco; in the centre is Bert Squirrel, president of the Lively club.

Harry Lewandowski was the second most-envied man in the big field. He scored a hole in one on the 6th.

Big improvements are underway at the sporty little Lively course. Three holes are being extended to bring the total yardage to 2,550 and boost the par rating to 34. A veranda seating about 50 people is being added to the clubhouse. The club has a membership of 220 men, 166 ladies, and 155 juniors. Nine tournaments, several of them privately sponsored, have been held this year.

Wilf Grubber

"Machines — that's the story of my life," said Frood service pensioner Wilf Grubber. "Fixing and running them." Retired after 33 years with the Company, Wilf looked down at his hands. "They've never been so soft and clean," he said with a shake of his head.

Early exposure to machinery came to Wilf on the southern



Mr. and Mrs. Grubber

Ontario farm where he was born in 1903. In 1918 he set out to see some of the mechanization in Saskatchewan.

Two years working with 20-hp. steam threshing rigs were followed by three at a heavy equipment training centre in Brandon, Manitoba, and after emerging as a specialist he started on a "fixit" globe trot that took him to the jungles of South America, Australia, and New Zealand, moving from one mechanic job to another.

He returned to Canada in 1928, repaired "cats" in northern logging camps and dredges at Fort Churchill, and following his 1935 marriage to a Mount Forest girl, Adeline McKeown, he joined the Ontario Refining Company at Copper Cliff as a crane operator. In 1938 he moved to the Frood open pit, and eight years later transferred to Frood mine plate shop where he was working at the time of his retirement.

Wilf and his wife have a family of five. Patrick is a sampler and Herb is a loader, both working at the Iron Ore Plant. Betty and Wilf Jr., 12, live at home, and Shirley (Mrs. Louis Lafleur) in Toronto.

There's still some farm boy in Wilf, and as soon as he can sell his modern home in the Robinson subdivision he'll be looking for a farm with a barn in southern Ontario where he will be able to tinker away to his heart's content.

Ray Jones

"I think 50 working years is enough for any man," said Copper Refinery service pensioner Ray Jones. "Now I'm just going to take it easy." His home for the past 17 years, on the pleasant shore of Sudbury's St. Charles Lake, will remain as headquarters for this bachelor who has worked for Inco for 27 years.



Ray Jones

Ray was born in Redwing, Minnesota, in 1903, crossed the border with his family to home-stead a quarter section near Vermilion, Alberta, and at 15 was doing a man's work tending beef cattle.

He left the farm in 1935, drove tractors and combines throughout the West, headed east through jobless Winnipeg in 1941, and was hired at the copper refinery. Charging the electric furnaces was his lot for many years until he was installed as a guard in the watchtower and became one of the voices that answered switchboard calls on the afternoon and night shifts. He moved to the plant cafeteria as janitor three years ago.

With friends in British Columbia, Ray will be visiting the west coast during the winter months. "And I'll be dropping into Vermilion on my way there and back," he said, "to see the old homestead and to look up some of the folks I knew so long ago."

Ray's service with the Company was recorded on the copper plaque that he received together with a transistor radio at a combined retirement stag held for 15 refinery pensioners at the Caruso Club.

Premier Walter Weir Visits Thompson Plant

Hon. Walter Weir, premier of Manitoba, paid his first visit to Inco's Thompson plant on July 24. He is shown here with John McCreedy, general manager of the Company's Manitoba division.

Premier Weir was in the Thompson area to officiate at the opening of a new highway bridge over the Sasagui Rapids near Wabowden. The bridge is named in honor of the late D. R. "Roxie" Hamilton, MLA for Rupertsland from 1941 to 1953, who was an indefatigable worker for northern development.

The premier visited the new Soab mine as well as the surface plant at Thompson, and promised to return for a more extensive tour.





Furnaceman

In the ruddy glow from white-hot molten metal, furnaceman Alderic Lacroix skims slag from No. 2 anode furnace in the Port Colborne nickel refinery, prior to casting. Control of the anode furnaces is a delicate operation in which the metal must be brought to just the right flat pitch and temperature in order to cast satisfactory anodes for the electrolytic process. Although he is assisted in controlling his fuel combustion and furnace temperature by modern instrumentation, it is the instinct of the furnaceman, based on thorough knowledge and experience, that is the key factor in bringing the bath to the proper pitch. Temperature of the slag is about 2,500 degrees F. Feed to the furnaces is nickel oxide from the fluid bed roasters at Copper Cliff, to which is added metallurgical coke and flux in carefully regulated quantities.

Inco's Venerable Honorary Chairman Dies at 87 after Brilliant Career

Dr. John Fairfield Thompson, honorary chairman of the board of the International Nickel Company and its United States subsidiary, the International Nickel Company, Inc., died July 13 in New York after a short illness. He was 87 years old.

In His 62nd Inco Year

At the time of his death, Dr. Thompson was nearing completion of his 62nd year of service with the International Nickel organization. He was a member of the executive and advisory committees of the parent company and the executive committee of its U.S. subsidiary. Formerly, he had been president and subsequently chairman and chief officer of both companies.

In 1956, in recognition of his then half-century of outstanding service with the organization, International Nickel's initial mining venture in Manitoba and the nearby community born as a result of it, were named in his honor. The town of Thompson is now the third largest community in Manitoba.

In 1957, International Nickel established the Stanley-Thompson Chair in chemical metallurgy at Columbia School of Mines in honor of Dr. Thompson and Robert C. Stanley, whom he succeeded as chairman of the board.

Started Company's Research

Dr. Thompson joined Inco in 1906 as a metallurgist to design and operate a research laboratory at the company's Oxford works for the investigation of the poten-

tialities of the recently developed Monel nickel copper alloy. This was International Nickel's first research laboratory.

While in charge of all the Company's research and technical activities on Monel and malleable nickel as well as head of all field and outside plant operations from 1906 to 1918, he established and became manager of the first technical department. This was a forerunner of International Nickel's present development and research department. As manager of operations in 1921, he supervised the construction and initial operations of the company's Huntington Works, Huntington, W. Va., which

Despite his advanced age, Dr. Thompson remained keenly alert to all major developments in the Company's multi-national activities. Here, at a dinner given early last year at Toronto by chairman Henry S. Wingate, he discusses phases of Inco's constant highly organized search for new sources of nickel with R. R. Taylor, assistant director of exploration.

was founded for the production of high-nickel alloys.

In February 1961, Dr. Thompson was elected to an honorary membership in the American Institute of Mining, Metallurgical and Petroleum Engineers and cited as "a metallurgist, scientist and administrator whose early appreciation of the unique qualities of nickel brought immense benefits to the world as well as outstanding success to the vast enterprise he has directed." This was one of many honors conferred on him for his distinguished achievements in metallurgy.

Held Honorary Degrees

Dr. Thompson was born in Portland, Maine, in 1881, son of the late Frank E. Thompson and the late Mary J. Clarke Thompson. He attended the School of Mines, Columbia University, receiving a

B.Sc. degree in 1903 and a Ph.D. degree in 1906.

Columbia University conferred on him the honorary degree of doctor of science in June, 1950. He received the honorary degree of doctor of laws from Queen's University, Kingston, in May, 1954, and also from Bowdoin College in 1959, and an honorary degree of doctor of humane letters in June, 1960, from Marshall University, Huntington, West Virginia. He was a Commander in the Order of the White Rose (Finland).

His wife, the former Elizabeth Fisher Wheeler of Brooklyn, New York, died in 1947. He is survived by a son, a daughter and two grandsons.

Dr. Thompson was co-author with the late Norman Beasley of the book, "For The Years To Come, A Story of International Nickel of Canada," published in 1960.

Fred Healy

Until recently there were four Healy brothers working at Inco. Now there are three. Tony at Frood, Chris at Clarabelle, and Harold at Stobie. Fred Healy has retired on disability pension from his job as powderman at Frood, due to a heart condition. He was 32 years with the Company.

Owen Sound is home town to the Healys, and Fred was born there in 1915. He stepped out into



Mr. and Mrs. Healy

the working world in 1932 and "became a catcher on a sticker machine" in a local refrigerator plant.

Two years of catching was enough for Fred, he headed north, was hired at Frood, and went to work in the yard. After two weeks of below-zero weather he figured that it would be more comfortable underground and went down the mine as motorcrew.

"I tried a couple of weeks in the time office in 1941," recalled Fred. "But when I went to sleep at nights I dreamed about nothing but figures so I went back to the motors."

He admits that he was married to his motor for a long time, but in 1955 walked down the aisle with home-town girl Kathleen Johnston. Their daughter Mary is 8.

Fred and his wife can't think of a nicer place to retire to than Owen Sound. "We may be just a little biased," said Fred with a grin. Anyway, they'll be closer to their cottage at Sauble beach.

Salt Water Conversion

An additional seventy trillion gallons of fresh water a year will be needed in the U.S. by 1975. Nickel-containing alloys that can stand up to corrosive salt water and to the heat and cold of conversion, are in the forefront of materials for new seawater conversion equipment.



Chris Macdon
Copper CliffBill Adams
CreightonCharlie Aelick
Copper RefineryStan Alary
Creighton

The 234 Employees in the Sudbury District who will be welcomed to membership in the Inco Quarter Century Club at the annual banquet in the Sudbury Arena on Thursday, September 12.

George Anderson
GarrisonVille Anttonen
Copper CliffBob Armentis
Copper RefineryHarvey Bailey
Copper RefineryYves Beauchamp
Iron Ore PlantLen Bedard
Copper RefineryMike Behon
CreightonReel Bergeron
Copper RefineryDon Bessie
Copper CliffEric Blais
Copper CliffDon Blue
Copper CliffJoe Bonhower
GarrisonSwede Bostrom
CreightonPhil Boudreau
Iron Ore PlantHenry Bourford
LevackCallista Boulay
Copper CliffLeo Bourcier
Iron Ore PlantBert Boyer
Copper RefineryLionel Bradley
Copper RefineryAndy Brisebois
CreightonJohn Bradie
GarrisonBud Brooks
Copper CliffBasil Brown
Copper CliffJohn Bryce
ComistonSam Budzak
Copper RefineryBill Carmichael
Copper CliffNap Carriere
Iron Ore PlantAndy Casas
Copper RefineryOmar Charbonneau
Food StoreJohn Chwyk
ComistonRene Clement
Copper CliffRay Condie
Crean HillJohn Cook
Copper CliffErnie Cornford
Copper CliffRene Cote
LevackWalter Crumb
Copper RefineryAl Cullis
LevackGerald Davis
Iron Ore PlantMike Dayoub
Copper CliffRamel Desjardins
Copper CliffRoly Desjardins
Copper CliffBill Dimes
ClairvilleRoger Dion
Copper RefineryMike Dolinar
Copper Cliff



Beverley Downer
Inco Club



Marjorie Dubery
Coniston



Ed Dubuc
Copper Cliff



Pete Ducharme
Copper Cliff



Adrian Dufresne
Levack



Sam Dufresne
Frodo-Stobie



Cliff Duncan
Copper Cliff



Henry Dufresne
Murray



Fred Duval
Frodo-Stobie



Ben Elemond
Creighton



Wally Ellis
Creighton



Vic Fabre
Copper Cliff



Gerald Farnand
Creighton



Joe Faubert
Frodo-Stobie



Andy Fink
Copper Cliff



Walter Finn
Levack



Rene Fortier
Levack



John Frey
Murray



George Friel
Copper Cliff



Alma Garsneau
Frodo-Stobie



Ed Gauthier
Murray



Paul Gauthier
Frodo-Stobie



Conrad Gensereux
Copper Refinery



John Gibbons
Crean Hill



Ernest Giroux
Copper Cliff



John Goerts
Garson



Harold Haas
Creighton



Valno Haavisto
Garson



Tony Harack
Murray



Alex Hermiden
Copper Cliff



Bill Heale
Copper Cliff



Eino Helne
Garson



Nick Heutlich
Murray



Bill Helden
Copper Cliff



Jim Hodgins
Copper Cliff



Ed Hoole
Frodo-Stobie



Mel Hrytsak
Garson



Albert Ingham
Murray



Bern Irvine
Copper Cliff



Allan Jarbeau
Creighton



Adrian John
Copper Cliff



Walter Jordan
Copper Cliff



Bill Kelly
Frodo-Stobie



Eugene Kishynski
Garson



Mike Kollar
Frodo-Stobie



Karol Krakowsky
Copper Cliff



Louis Kerek
Creighton Mill



Lucien Labella
Murray



Leo Labella
Copper Cliff



Martial Labrosse
Copper Cliff



Gilbert Lafreniere
Copper Cliff



Sylvester LaVila
Garson



Simon Lemaitre
Copper Refinery



Fred Lampka
Copper Cliff



Tom Lang
Copper Cliff



Hector Laplante
Creighton



Emile Lapointe
Copper Cliff



Art Laurin
Levack



Henry Laurin
Copper Cliff



Arel Lanson
Creighton



Maurice Lawrie
Murray



Duff Leclair
Murray



Archie Lagault
Copper Cliff



Len Legault
Frood-Stobie



Lucien Lavigne
Copper Refinery



Charlie Lineham
Copper Cliff



Joe Luplak
Frood-Stobie



Alma Maki
Gerson



John Mallin
Gerson



Florian Martel
Copper Cliff



Roland Martel
Copper Cliff



Bill Martenish
Copper Cliff



Dan McCoil
Copper Cliff



Bill McKnight
Frood-Stobie



Oscar Mei
Iron Ore Plant



Alde Melchior
Copper Refinery



Sil Maria
Copper Cliff



John Michellie
Copper Cliff



Dino Michellie
Copper Cliff



Lucien Mimeau
Copper Cliff



Dina Minardi
Copper Cliff



Mario Modeste
Copper Cliff



Roger Montpellier
Levack



Paul Morson
Frood-Stobie Mill



Bill Morrison
Iron Ore Plant



Vince Nadeau
Creighton



Harvey Nadeau
Levack



Billy Nadeau
Levack



Frank Neville
Creighton



Peter Pakulak
Copper Cliff



Ewald Pachel
Frood-Stobie



Arel Pagette
Frood-Stobie



Tom Paradis
Coniston



Frank Pare
Coniston



Henry Pauldren
Frood-Stobie



Ed Platte
Copper Cliff



Rosalyn Pinard
Levack



Gilbert Pitt
Gerson



Ken Pollock
Creighton Mill



Teane Ponne
Copper Cliff



Mike Primeau
Frood-Stobie



Pete Rainsville
Copper Cliff



Wilfred Rancourt
Copper Cliff



Ben Richer
Copper Cliff



Bert Rivers
Gerson



Bert Robert
Copper Cliff



Maurice Rouleau
Copper Cliff



Albert Ross
Copper Refinery



Romeo Rouleau
Copper Cliff



Armand Roustelle
Copper Cliff



Armand Roy
Copper Cliff



Karl Rudavics
Levack



Stan Rychko
Copper Cliff



Larry Sabourin
Copper Cliff



Mike Selhani
Copper Cliff



Jack Schaff
Frood-Stobie



Walter Shelegay
Coniston



Francis Sheridan
Copper Cliff



Bill Shkrabek
Creighton



Bill Shymkiv
Copper Cliff



Dave Skelly
Garson



Nick Sliptec
Copper Cliff



Nick Selski
Iron Ore Plant



John Spec
Copper Cliff



Wilbert Spencer
Copper Cliff



Dave St. Germain
Garson



Will St. Jacques
Levack



Aurele St. Laurent
Copper Cliff



Wilfrid St. Onge
Copper Cliff



Harve St. Onge
Copper Cliff



Ev Staples
Creighton



Harry Stoperak
Copper Cliff



Hugh Sullivan
Frood-Stobie



Vic Suomo
Garson



Larry Teskey
Frood-Stobie



Howard Thomson
Copper Cliff



Kaarl Tolkka
Copper Refinery



Artille Tonelli
Copper Cliff



Steve Tracs
Frood-Stobie



Gerry Tremblay
Frood-Stobie



Dennis Vachon
Levack



John Vaire
Frood-Stobie



Jack Valibacka
Murray



Walter Van Esan
Copper Cliff



Toby Vickman
Creighton



Roger Violette
Copper Cliff



Rene Violette
Coniston



Pat Wehellig
Copper Refinery



Dave Warkus
Clarbelle



Charlie Wilkin
Copper Cliff



Larry Willits
Copper Refinery



Percy Wills
Clarbelle



Neil Yagoyth
Levack



Mike Yawney
Copper Cliff



Steve Zyma
Frood-Stobie

OTHER NEW MEMBERS

In addition to the new members of the Quarter Century Club whose photographs are shown on the preceding pages, the following have also qualified for 25-year badges: **COPPER CLIFF:** Alvin Bray, Anthone Charette, Bob Douglas, Angelo Fulin, Tom Hannaway, John Huculak, Ed Hudson, Basil Jennings, Bill Levert, Phyllis Lewis, Lauri Maki, Roy McDonald, Alvin Miller, Joe Naponse, Giacomo Nicodemo, Urban Paquette, John Polotak, Noreen Smama. **GARSON:** Omer Jean. **FROOD-STOBIE:** Roland Brunet, Tony Krutz, John Martyn, Wilf Nichol, Jacob Sauerbrey. **CLARBELLE:** Gordon Cummins, Elvin Mantle. **CREIGHTON:** Peter Fischuk, John Grieve. **IRON ORE PLANT:** John Sergini, Dino Tomassini. **COPPER REFINERY:** Ron Ray.

WHO WANTS THEM?

After buying and mailing home a \$50,000 insurance policy before a plane trip, the traveller stepped on a nearby weighing machine. Out came one of those fortune-telling cards. The cheery message read: A recent investment may pay big dividends.

Stainless Steel Paint

Nickel stainless steel is now available in a paint for industrial applications. The alloy, in flake form, has shown remarkable ability to fight corrosion when applied to outdoor utility installations and has reduced maintenance costs by as much as 30 per cent.

AND INJUNS TOO

The TV repairman was trying to locate the trouble in a friend's set. The six-year-old had watched the whole operation, fascinated. "I'll bet," he said, "if you'd just clean out the dead cowboys from the bottom of the set, it would work again."

Jetcraft Alloys

Jetliners land at almost 200 miles per hour. To help them come to a stop, nickel alloys are used in critical areas of "thrust reverses" attached to each engine, which catch the hot gases normally propelling the plane, and divert them forward to slow it down.

Top Attractions Booked for Quarter Century Club



The ever-popular Juliette, Canada's No. 1 songstress, will return for her third appearance at the Quarter Century Club, where she always gets a great reception. She was here last in 1965.



Walter Shyretto, currently playing top Montreal night clubs, is a master of balance on both the high and low bikes.



A standout act on the Ed Sullivan show and in many other big television and Broadway bookings, the Morgan Ashton family will bring a refreshing new type of entertainment to the Quarter Century Club stage. Lying on his back with his feet in the air, the father tosses his wife and their two children about as if they were tenpins. They work a lot of laughs into their routine.

The Bell Ringers usually recruit a couple of volunteers from the audience to add fun to their clever and melodious performance. Another act in this year's show that calls for a lot of dexterity is Taramo, a very fast Chinese juggler who, like Shyretto, is also now playing Montreal night clubs.



President Gagnebin To Speak; Ukrainian Choir Will Perform

President Albert P. Gagnebin has accepted the invitation of division general manager J. A. Pigott to give the address at the 20th annual general meeting and dinner of the Inco Quarter Century Club at the Sudbury Arena on Thursday, September 12.

It will be Mr. Gagnebin's first visit to the Sudbury district branch of the club since he succeeded J. Roy Gordon as president of International Nickel in January, 1967.

His association with the Com-

pany dates back to 1930. He attained distinction in wide areas of product research, and was co-inventor of the Inco process for the production of ductile iron, a cast iron with a nickel-magnesium additive that gives it great workability and strength.

Mr. Gagnebin became manager of the nickel sales department in 1956, and in 1961 also assumed responsibility for the newly designated market development department as well as the development

and research department. He was elected executive vice-president in 1964.

He was born in Torrington, Connecticut, in 1909, received a master of science degree in metallurgy from Yale University in 1932. He speaks French fluently, and is a councillor of the French Chamber of Commerce in the United States. He is married with two daughters.

Accompanying Mr. Gagnebin to the Quarter Century Club function, and assisting him in presenting gold 25-year badges to the new 234 members, will be executive vice-president P. Foster Todd of Toronto. The presentations will commence at 6:00 p.m.

The new group will include three ladies, Marjorie Dubery of the Coniston office, Phyllis Lewis of the Copper Cliff purchasing department, and Noreen Senania of the Copper Cliff Hospital office staff.

60-Voice Choir to Sing

A special feature of the stage show that is certain to create a lot of interest and enjoyment will be the appearance of the 60-voice Sudbury Ukrainian mixed choir.

Garbed in the colorful native costume of the Kiev district, the choir will open the entertainment program under the direction of Mrs. Walter Rohatyn, who has been its conductor for the past 11 years.

A group from the choir will also take part in rousing Ukrainian dances which are always a big crowd-pleaser.

Highly rated as a musical organization, the Sudbury Ukrainian choir has travelled extensively, and has made three recordings, with a fourth now being arranged. The choir president is Terry Kozenchuk, and the choreographer is Peter Bendyk. One of the originals of the choir when it was organized 35 years ago, John Maranchak, is still a member.

Along with this outstanding "local" attraction, the Quarter Century Club program will feature such professional entertainers as well-known Canadian television and stage star Juliette, the Morgan Ashton family from New York with their clever and fun-filled aerobics, the Bell Ringers, and low and high bike sensation Walter Shyretto and lightning-fast Chinese juggler Taramo, both from Montreal. Accompaniments will be played by the Paul Simmons orchestra of Toronto.

R. G. Dow, secretary of the Quarter Century Club, will be chairman of the banquet.

A HEAD START

Angus and Mary decided to adopt a child, and asked at the orphanage for a little girl. One was produced and Mary was about to sign the papers when Angus tapped her on the shoulder. "Mary," he whispered, "let's have a boy. Hae ye forgotten the wee lad's cap we found in the train?"

HELLO DOWN THERE!

"Pilot to control tower! Pilot to control tower! I'm coming in, please give landing instructions."

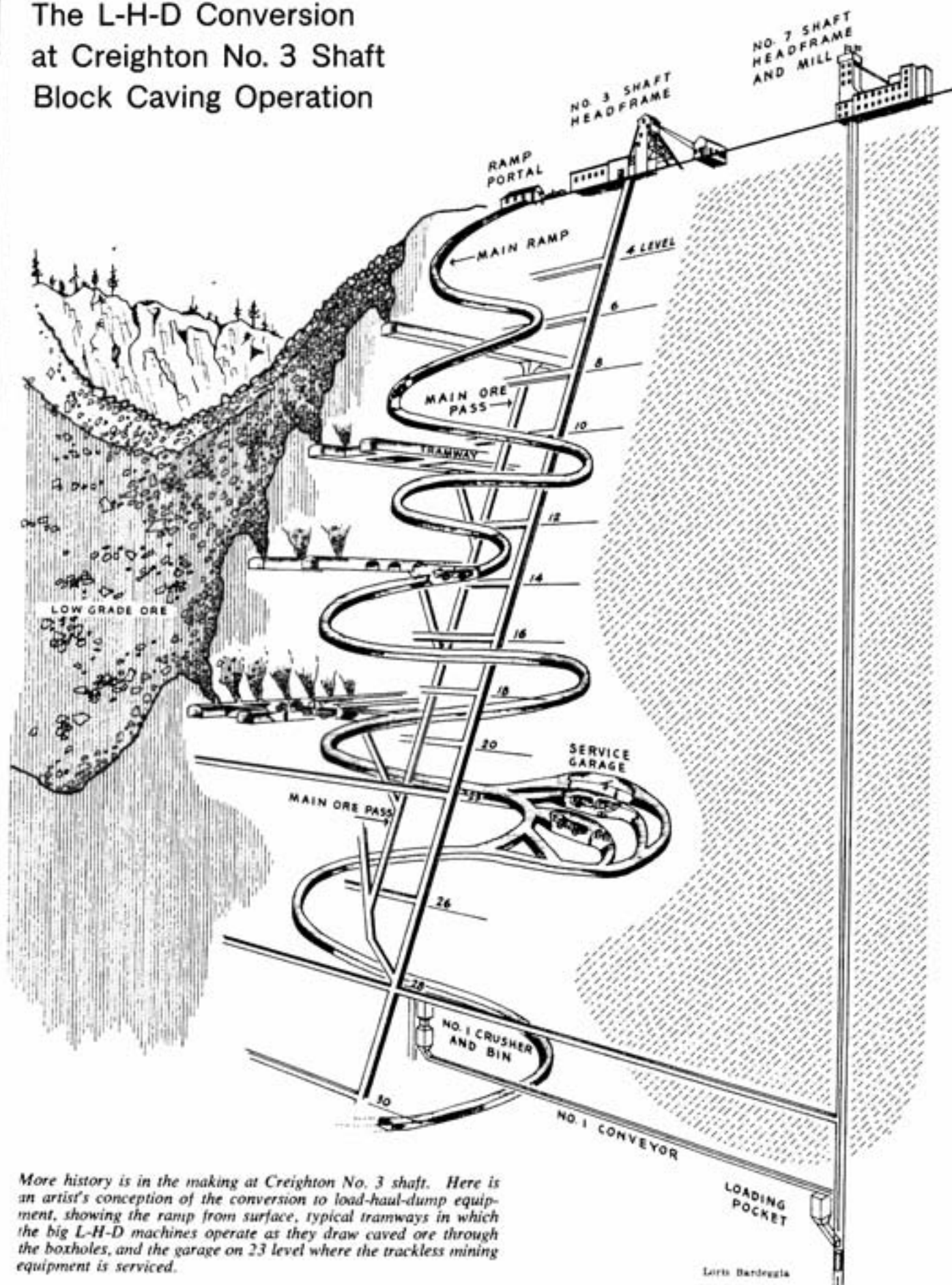
"Control tower to pilot! Control tower to pilot! Why are you yelling so loud?"

"Pilot to control tower! My radio is on the blink."



Albert P. Gagnebin

The L-H-D Conversion at Creighton No. 3 Shaft Block Caving Operation



More history is in the making at Creighton No. 3 shaft. Here is an artist's conception of the conversion to load-haul-dump equipment, showing the ramp from surface, typical tramways in which the big L-H-D machines operate as they draw caved ore through the boxholes, and the garage on 23 level where the trackless mining equipment is serviced.

Luis Bardaglia



Old and New in Ore Removal

Conversion to load-haul-dump equipment at Inco mines means the phasing-out wherever practicable of the slusher hoists and scrapers such as are seen in action in the picture on the left. Ore coming down through the boxholes in the sides of the trench is dragged by the 125-hp hoist and 72-inch scraper to a mill hole leading to the ore pass. There were over 50 of these installations at Creighton No. 3 shaft alone. Taking over are L-H-D machines like the one shown above, which scoops up a 6½ ton load of muck at the toe of the boxhole and moves smartly along the tramway to dump into the ore pass. Substantial improvements in safety and efficiency are achieved by the new equipment.

WE'RE "GONE" ON L-H-D

New Trackless Mining Concept Is Sweeping Inco Operations

Trackless mining, with big diesel-powered load-haul-dump equipment and inclined access ramps, has within the past 18 months brought a sweeping new concept to International Nickel's underground operations.

Starting in the block caving operation at Creighton No. 3 shaft, where it immediately demonstrated its advantages in greater safety and productivity, the revolution has spread to all the Company's mines, both old and new, in both the Ontario and Manitoba divisions.

The mines organization was quick to envision the possibilities of trackless mining for completely rejuvenating the established method at Creighton No. 3, and for combining with conventional techniques to increase productivity at the other mines. Imaginative application of the new concept has followed swiftly, and mechanization is proceeding as fast as the manufacturers can supply the equipment.

As an example of how rapidly the change is taking place, in its Sudbury District mines the Company has already put into action 50 of the massive but highly maneuverable load-haul-dump machines, such as the Wagner ScoopTrams, which can handle up to seven tons of ore in a bucket load.

World's Largest User

Inco will probably rank as the world's largest user of load-haul-dump equipment, both in number of machines and tonnage handled. In other words, we're "gone" on

L-H-D, and it's no mere psychedelic experience.

As well as in actual ore production, the L-H-D machines are being used, in conjunction with mobile drill jumbos, to drive the ramps that give trackless mining its full flexibility by connecting mine levels and sub-levels for transfer of equip-

ment. At two mines, Creighton No. 3 and the new Little Stobie, the main ramp will spiral all the way down from a portal on surface.

It was a trial demonstration of an ST-4 ScoopTram, in a cut-and-fill stope at Frood mine in 1966, that sparked the trackless mining revolution at Inco. The powerful low-slung machine, its 145-hp engine roaring and its heavily lugged rubber tires hugging the stope floor, showed astonishing versatility. Scooping up a 6½-ton bite of muck in its bucket, it wheeled smartly across to an ore chute, cleanly dumped its load, and was back at the muck pile in a matter of seconds for a reload. Although 27 feet long

and just under eight feet wide, it could make a 90-degree turn within a radius of less than 21 feet. It was equipped with an oxy-catalytic scrubber to remove objectionable exhaust fumes. It had hydraulic steering, and four speeds both forward and reverse. Here was the new look in ore removal.

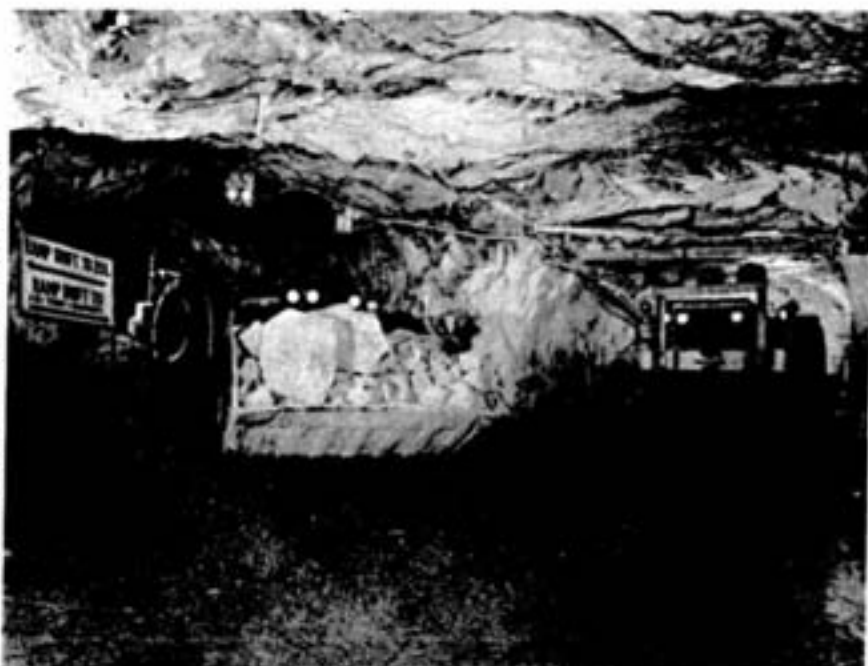
On Stage at Creighton

An ideal stage had been set for the new mining juggernaut to prove its worth on a production basis. Over at Creighton No. 3 shaft, where bulk mining by the induced caving method makes possible the economic recovery of vast quantities of low-grade ore that would other-

Continued on Page 17

Ramps Connect Levels

To give trackless mining its full flexibility, ramps are driven to connect levels and sub-levels. In this picture on 18 level at Creighton No. 3 shaft a load-haul-dump vehicle is proceeding down a ramp to the dump point, while on the right another unit waits at the intersection for clearance to travel the ramp.





Some minor first aid to the camp sign is undertaken by Suzanne Stevenson (on ladder), Peggy Tobin, Patti Watson, Carmen Niehoff.



Getting ready for daily tent inspection by the camp commandant are Linda Williams, Beverly Kelly, Bonnie Kallio, Stephanie Ross, and Kim McCoshen.



Vida Grinius practises artificial respiration on Janice Langton, watched by Tina Baby, Cathy Hart, Dawn Field, Carmen Niehoff, and Inese Plavins.

Memories Are Made of This

Memories they'll cherish for years are being made for Sudbury district Girl Guides at the annual summer camp at MacFarlane Lake.

In the lovely woodland setting of the Girl Guide Association's permanent campsite, the good work goes on of giving Guides and Brownies the fun of life in the outdoors, and at the same time providing them with organized instruction in swimming, life-saving, handicrafts, woodlore, tenting, cooking, etc.

Girl Guides and Brownies from the Many Lakes division were in camp when the Triangle camera paid a visit early this month. They came from the Lockerby, Minnow Lake, MacFarlane Lake, Broder and Burwash areas, and they were having a wonderful time.

The camp commandant, Mrs. Verna Brock, said, "They're a great bunch of girls, and it's a joy to be with them." As well as the Guide leaders she praised the mothers who volunteered help in running the camp. "I'm sure they all feel a real sense of reward in the happiness of the girls."



Led by Eleanor Cole, a member of the camp staff, a group of Guides enjoy a singsong in the morning sunshine.



Churning the water as they practise the flutter kick, these happy Guides are enjoying their swimming lesson from instructor Donna Wukstinic: Sylvia Wickenden, Kim Noble, Liette Parent, Judy Wharton, Heather Watts, Brenda Tennant, Ingrid Sagorski, and Sheryl Rogers.



And then there's kitchen duty, just to remind a girl that life isn't all fun and games. Helping assistant camp commandant Isabelle Chisholm peel the spuds for the day's dinner are Lynn Lefebvre, Nancy Stevenson, Inese Plavins, Barbara Grinius, Robena Ruffo, Deborah Lucas.



Busy making gadgets in front of their tent, with advice from camp staffer Betty Junkala, are Catherine Edman, Robena Ruffo, and Lee and Debbie Gomune.



Getting some cooking experience toward their camper's proficiency badges are Veda Grinius, Jean Lang, Sandra Levis and Janice Langton.



At a party in the Italian Hall the metallurgical department gave popular "Connie" Canapini a fine send-off. He was presented with a set of luggage, and his wife, called in from their home nearby, received a bouquet of roses. Some of the boys were photographed with the couple, Graham Masecar, Arne Montysarri, Les Ramsey, Sylvio Leclair, Robert Douglas, Foch Mailleur, John Beauchamp, assistant plant metallurgist Ross Morrison, and Bert Potvin.

"Connie" Canapini

One of the top all-time service records at International Nickel stood to the credit of Romolo "Connie" Canapini when he stepped into retirement in July at the age of 64.

"Connie" racked up 48 years and nine months with the Company. Member of the metallurgical department at Copper Cliff, he had been chief sampler since 1956.

The ink on his retirement papers was barely dry before he and his wife were off to Italy for an extended visit at his birthplace, Pano. There he may be giving the natives a few lessons in wine-making, for his friends say he's just about the best there is at that delicate art.

The family came to Copper Cliff in 1913, and "Connie's" father worked in the smelter until retiring on disability pension in 1930. His brother Remo is another long-service Inco man, now having 32 years of service at the mill. Another brother, Reno, also lives in Copper Cliff.

"Connie" was married in 1937 to Dina Conti. Their son Robert is a winder in the electrical shop and their daughter Lydia is a teacher at Copper Cliff Public School. They have four grandchildren.

Bill Teal

Bill Teal, long service employee in the leaching, calcining and sintering department of the nickel refinery in Port Colborne, has retired on disability pension.

Born on his parents' farm in Bertie Township in 1908, Bill was in the restaurant business in Ridgeway and Port Colborne for five years before joining International Nickel in May, 1936. He worked as furnaceman and gas producer operator, and was a

telpherman at the time of his retirement.

Bill and Lorraine Madere were married in 1934. They have two daughters, Gladys (Mrs. Ray Roach) and Rose (Mrs. Dave



Mr. and Mrs. Teal

Marr), both bank employees in Port Colborne, and a son Billy, at home.

A devout fisherman, Bill has angled in lakes, rivers and streams all over Ontario. He takes several fishing trips to outlying areas each year and fishes regularly in local waters.

The Teals enjoy taking motor trips and are ardent sports fans, being long-time supporters of the Port Colborne Sailors hockey teams.

Walter Heard

Long-time skip and caretaker at Creighton mine, disability pensioner Walter Heard will not



Mr. and Mrs. Heard

realize his ambition to travel down the 7,150 feet of the new Creigh-

ton No. 9 shaft when it's completed. "I was looking forward to that experience," he said.

A westerner, Walter was born in Dauphin, Manitoba, in 1920, and has worked for Inco for 20 years.

He left his grain elevator job in Dauphin to come East to Inco as a scale clerk at the Copper Cliff smelter in 1941. He served with the Canadian Army as a dispatch rider from 1942 until 1946.

After his return to Canada, Walter worked for a year in Flin Flon. Following his 1947 marriage to Elsie Isherwood of Watrous, Saskatchewan, he rejoined the Company as motorcrew at Creighton mine.

The Heards and their German shepherd dog Susie are planning to return to the west and settle in Saskatoon.

Appointment

The appointment of Clarence A. Beach to assistant comptroller has been announced by Walter A. McCadden, comptroller of The International Nickel Company of Canada, Limited.

Mr. Beach had been assistant to the comptroller, in charge of Canadian division accounting, since 1962. Previously, he had served as works auditor and, subsequently, division comptroller of the Nickel Refining Division at International Nickel's Port Colborne, Ontario, refinery since 1955.



C. A. Beach

He joined International Nickel in 1928, subsequently holding positions of increasing responsibility in the accounting departments of the copper refining and mining and smelting divisions at Copper Cliff. He was transferred to Port Colborne as assistant works auditor in 1953.

Mr. Beach is married to the former Gertrude Huff and they have two children, both married. Mr. and Mrs. Beach reside in Willowdale.

Mario Cecchetto

A native son of Copper Cliff, Mario Cecchetto lived and worked within sight and sound of the



Mr. and Mrs. Cecchetto

Copper Cliff smelter since he first saw the light of day in 1921.

He doesn't live in the smelter town any more though, and his working days as a craneman in the converter aisle are over. He's retired on disability pension after 29 years with Inco and now lives in a fine modern home on the peaceful shores of Robinson Lake on the outskirts of Sudbury.

It was in 1929 that Mario joined the Company as a baleman at the smelter, and just two years later

that he married Rose Lalonde from St. Isidore, Quebec.

"Our family came along kind of late," said Mario, referring to their eight-year-old son Marc.

The family will be leaving one lake for another for their summer relaxation, planning to spend as much of the summer as they can at their camp at Red Deer Lake near Wahnapiitae.

Inco Continues to Urge Local Processing Taxation

The International Nickel Company of Canada, Limited, reiterated its proposal that all processing plants of mining companies in Ontario, including smelters and concentrators, be subject to local assessment and taxation.

The proposal was made July 16 in an appearance before the Ontario legislature's special committee reviewing the Smith report. Inco's counsel, J. T. Weir, Q.C., of Toronto, said that if Ontario adopted the Smith recommendations on mining taxes the province would be "out of line" with the tax systems of other provinces.

Also appearing for the Company at the hearing were: B. M. Oser, Q.C., company counsel; D. B. Taylor of the Company's Ontario division offices in Copper Cliff; Dr. E. J. Spence, economic consultant; R. D. Brown, chartered accountant; and R. N. Broderick, assistant comptroller of Inco.

Reviewing a brief which the Company submitted to the Ontario government in March, Mr. Weir noted that under the present Ontario mining tax act every mine which has a profit of more than \$10,000 a year is required to pay a mining tax on the portion of its profits attributable to the recovery of ore. The Smith report recommended that the present tax be replaced by two taxes, a mines services tax from which payments to designated mining municipalities would be made, and a mines profits tax which would tax all profits of a mining company in excess of a 12 per cent return on depreciated value of its mining, processing and other assets.

Inco's Alternative

Instead of this two-tax proposal, International Nickel suggested that Ontario continue to collect a special mining tax on profits up to the pit mouth in return for mining companies' use of a provincial natural resource. At the same time the Company's proposal "recognizes that on the works beyond the pit mouth the mining industry should be treated for local taxation on the same basis as all other industry."

Mr. Weir said that International Nickel's proposal, although it would lead to an increase in the Company's taxes, would end the present anomaly which exempts certain surface mining property from local taxation and at the same time, by limiting mining taxes to actual mining profits, would place Ontario mining taxes generally in line with the tax principles of other provinces. The Company recognized "its responsibility to pay its fair share of the mounting cost of public services," but believed that the Smith committee recommendations would discourage development and capital investment in Ontario.

Big Diesels for Soab-Thompson Run



First of the three locomotives that will operate on the International Nickel railroad in the Manitoba division, linking the new Soab and Pipe mines with the plant at Thompson, is shown above on delivery.

The diesel-powered locos, type DL-718, are rated at 1,800 h.p. and can operate in tandem. Each has a maximum hauling capacity of 3,500 tons and will travel, loaded, at 30 m.p.h. Two have now been delivered at Thompson.

About 40 miles of the 48-mile track system has been laid and is awaiting final ballast. The system is single track all the way, and the trains will pull into terminals to allow passing. An initial schedule of five trains per day has been anticipated.

Ninety 100-ton ore cars have been ordered for the railroad. Car linkage is by a universal coupling which allows the cars to be dumped by a rotary tippie, one at a time, without unhitching. The rotary tippie, or rotating cradle, located at the plant terminal, will dump cars at the rate of 30 per hour. There will be 35 ore cars to a train.

Pipe mine will have a 10,000-ton ore bin with automatic loading of five cars at a time. At Soab there will be a 3,000-ton bin with automatic loading of two cars at a time.

Railroad control and communication will consist of a radio system having a base station at the Thompson headframe, a repeater station at Soab, and mobile units in the trains.

Bert McCormick Modern Pioneer

The man who may well be called the father of the caving method of mining at Creighton, and who has worked most of his 38 Inco years there, has retired on service pension.

Popular Bert McCormick, mine engineer at Creighton since 1946, is leaving for the peace and quiet of Morrisburg on the St. Lawrence River. "I fell in love with the area the very first time I saw it," he confessed. "And I'm sure I'll



On an inspection trip to the Manitoba division, Inco chairman Henry S. Wingate was photographed at the throttle of the big loco, ready to "highball".

never tire of watching those giant freighters plying the Seaway."

Bert was born in Maybole, Ayrshire, Scotland, in 1902, and got his first taste of big ships when



Mr. and Mrs. McCormick

at age 10 his family crossed the Atlantic to settle in Weyburn, Saskatchewan.

"I don't know if it was my accent or what," he recounted. "But my educational standing took a mighty step backwards and I found myself in kindergarten. I guess I was something new and they wanted to find out where I fitted in. However, for the next week or so I was jumping grades every second day."

Five years of construction work after he finished secondary school opened Bert's eyes to the impor-

ance of continued education, and in 1924 he enrolled at the University of Manitoba. One year there was followed by further studies at Queen's University in Kingston. "I still couldn't decide just what it was that I wanted to follow," recalled Bert, who later completed a three-year ICS course covering mining engineering and metallurgy.

It was in 1925 that he first saw Creighton, worked underground at No. 3 shaft, and transferred to the seven-man engineering department in 1926. He left the Company in 1927, worked at gold mines in Kirkland Lake, Rouyn, Timmins and Flin Flon, and returned to Creighton in 1929.

Survey work filled the years until 1938 when he was appointed assistant to mine engineer Ross Clark. His move to Murray as mine engineer came in 1943, and he returned to Creighton as mine engineer in 1946.

It was around this time that Bert became involved in a triumph of mining ingenuity and skill which was to become his main concern for many years — a low-cost bulk method of mining called induced caving.

The old Creighton open pit at No. 3 shaft had reached a depth of 200 feet. Below that, down to the 30 level, the higher grade ores had been completely mined out. The lower grade ore overlying the mined-out area between 28 level and surface was the target for the first stage of the proposed caving method.

Vast amounts of study and experiment went into the project, both in model and pilot operations, and during this period a "first" was developed when Bert conceived the idea of producing a solid form model of the ore body. After using and discarding many materials he hit upon light and easily workable styrofoam. "It was easy to form but a real problem to paint," he recalled. "After many hours of careful carving we painted our first model — and it dissolved before our eyes." Needless to say, this problem was also licked.

Bulk mining the huge tonnage of ore previously considered uneconomical, by induced and controlled caving down through a system of boxholes leading into slusher drifts, was an innovation at Creighton that attracted international attention. In this and many other developments for which Creighton has become famous, Bert McCormick was a guiding light, and he will long be remembered as a pioneer of modern mining. A large and representative gathering from all departments of the Company honored him at a stag party on his retirement.

A Creighton girl, Theresa Purlong, became Bert's bride in 1924. The couple have a family of four, and already there are 15 grandchildren. Daughter Aileen (Mrs. Bill Elgie) lives in Dover, Delaware, Rod in Iroquois, John in Winnipeg, and Roberta is the wife of Coniston smelter powerhouse engineer Len Collin.

Bert and Mrs. McCormick will be spending a quiet summer at their camp at Fairbank Lake, and will be moving to their new home on the Seaway in the fall.

Bert plans to be far from idle

in retirement. For a number of years he has had a nagging desire to bud out as an author. "There are countless reference books on mining," he explained, "but they're all highly technical. I think there's a need for a volume for the beginner miner and for high school students." With his wealth of practical experience, gift of expression, and the energy that he has displayed in tackling the many problems that have presented themselves through his years with the Company, it can be assumed that his proposed writings will be appearing on the bookshelves in the not too distant future.

Familiar Figure at Frood Mine Gate for 31 Years

A member of the security force at Frood mine for 31 of his 33 years with the Company, the impressive figure of Sergeant John MacKay will be missed from the plant gate where he has been a familiar figure to all who passed through.

John has doffed his blue uniform to become an Inco service pensioner.

Born a Scot in Greenock, Renfrewshire, in 1903, John turned his back on the shipbuilding and engineering industry amid which he had been raised, and in 1919 enrolled at the West of Scotland Agricultural College.

Complete with diploma in 1922, he left home to gain some experience of Canadian farming methods, and worked as a hired hand in Simcoe County.

With plenty of know-how, he headed west in 1929, and bought a 170-acre farm at the foot of the Riding Mountains in Manitoba.

Things went fine for John until 1933 when "a sky full of golf-ball sized hail fell on the farm and flattened everything."

After a vain struggle to make a come-back he sold the farm and returned to Simcoe county in 1934, then came north to join the Company at the Copper Cliff concentrator in 1935.

He transferred to the police department in 1937, and the same year was married to Elma Guest of Guthrie, Ontario. They have two daughters, Margaret is a teacher in Vancouver, and Mary a librarian in Toronto. John was promoted to sergeant in 1944.

Fellow members of the Frood-Stobie force presented him with a briefcase and their best wishes at the end of his last day of duty.

John figures it's a little late to finish what started out to be a farming career, and will settle for fraternal organization work in the area and tending his lawns and garden on Willow Street in Sudbury.

Platinum in Industry

Platinum, one of the most beautiful metals, is also one of man's most versatile servants. Ninety per cent of the metal's applications are industrial. It is used in electronic components, the manufacture of rayon, petroleum refining, the production of optical lenses and the growing of laser crystals.

INCO DEVELOPS NEW PROCESS

\$85-Million Nickel Refinery Is Announced for Copper Cliff

An \$85,000,000 refinery for producing high-purity nickel pellets and powders by means of a major new Inco-developed process will be built by The International Nickel Company of Canada, Limited at its mining and processing centre at Copper Cliff, it was announced August 6 by Henry S. Wingate, chairman and chief officer.

Construction of the plant will begin immediately on a site between the copper refinery and the iron ore recovery plant. It is scheduled to be completed in 1971.

The highly automated plant will have an annual capacity of 100 million pounds of nickel in the form of pellets and 25 million pounds of nickel in the form of powders. Sizable volumes of other refined and semi-refined products will also be produced.

Major Advance in Metallurgy

"This additional refining capability will be based on an outstanding advance in extractive metallurgy—the Inco pressure carbonyl (IPC) process for treating sulphide concentrates and metallurgical intermediates," Mr. Wingate said. "Besides technological and cost advantages over previous methods of nickel refining, we will gain in such vital areas as metal recovery, product quality and pollution control."

Mr. Wingate added that the Company's need for much greater refining capacity stems from its accelerated mine development and expansion program in Canada. By the latter part of 1971, International Nickel will have nine new mines in operation in Ontario and Manitoba; the combined ore recovery from these operations and its 10 existing mines—seven of which are undergoing expansion—will enable the Company to raise its annual Canadian nickel-production capability to more than 600 million pounds—an increase of some 30 per cent above its current capability.

In addition to producing nickel pellets and powders, the IPC complex will produce copper, cobalt and sulphur and will centralize precious metals concentration operations prior to final refining at the Company's plant at Acton (London), England.

New Tuyaless Converters

The new process, covered by basic patents and patent applications, integrates the main divisions of the science of extractive metallurgy—pyrometallurgy, vapometallurgy and hydrometallurgy. Feed preparation will be carried out in tuyaless top-blown oxygen converters, marking the first commercial use of this modern device in sulphide ore treatment. In the years immediately after World War 2, International Nickel pioneered the commercial use of oxygen in liquid-phase pyrometallurgy. The vapometallurgical carbonylation and hydrometallurgical dissolution reactions will be accomplished at moderately elevated pressures.

Developed by International Nickel's chemical metallurgy research staff, the IPC process has been proven in tonnage prototype

units of special design at the Company's Port Colborne research stations.

International Nickel's process research facilities in Canada and the United Kingdom are dedicated to advancing metallurgical knowledge. They have been responsible for a series of important developments in this field, including matte flotation for copper-nickel separation, oxygen flash smelting of sulphide concentrates, recovery of high-grade iron ore from nickeliferous pyrrhotite, direct electrorefining of nickel sulphide, and the all-kin atmospheric pressure carbonyl refining process.

Trackless Mining

Continued from Page 13

wire be valueless, the failure of an ore pass had tied up mining of one block containing 4 million tons. On the strength of its demonstration at Frood the mines department immediately saw in the ScoopTram a possible solution to this dilemma. On 18 level they drove a haulage way in the footwall, parallel to a slusher trench in the isolated block, and then broke through the side of the trench to give access to two of the boxholes. Then the big L-H-D machine went to work, loading at these drawpoints and roaring back and forth to the main ore pass about 200 feet distant.

Compared to the conventional method, in which the ore coming down through the boxholes is picked up by a 72-inch scraper and dragged along the trench by a 125-hp slusher hoist to a mill hole, the performance by the ScoopTram lived up to expectations.

Greatly Improves Safety

Besides a dramatic increase in productivity, other important advantages soon became evident. By its undercutting action as it picks up its load at the drawpoint, the machine keeps the ore flowing down more freely, reducing the number of time-consuming hangups by large chunks in the boxhole. This in turn greatly improves safety and practically eliminates wear and tear on the brow of the boxhole incurred in blasting hangups. The big chunks can be set aside by the machine for drilling and breaking at a convenient time. Thus facilitating a more uniform sequence in drawing a series of boxholes, the L-H-D method enables better grade control of the muck.

With the gradual phasing-out of the 53 slashers in the Creighton caving operation and their replacement by L-H-D machines so clearly indicated, the mines department launched a program to connect the various levels by ramp for easy

movement of all trackless mining equipment. Extending from a portal on surface down to 30 level, the bottom of the present planned development, the ramp is being driven simultaneously from four elevations. Spiralling down on a 20 degree incline, with an access at each level, it is 16 feet wide by 9 feet 6 inches high, with a concreted surface and overhead wire screen protection where required. It will have a total length of over 10,000 feet, and will be completed at year-end down to 30 level, a vertical depth of 1,875 feet.

Open Underground Garage

To service the fleet of L-H-D machines, now numbering 11, the four drill jumbos and six secondary drill rigs for muck conditioning, a fully equipped underground garage is being developed on 23 level. It will have four bays, each 80 feet long, 20 feet wide and 15 feet high, a general repair shop with ramp for grease and oil change, and a warehouse stocking spare engines, parts and tires. The garage will be provided with forced ventilation.

Coincident with the big conversion at Creighton No. 3, the trackless mining concept is being vigorously applied wherever practicable at all other Inco mines, and the entire organization is vibrant with change. Slashers are being phased out in all except remote areas in favor of L-H-D machines. Variations of sub-level caving are being introduced and inter-level ramps driven to bring bulk mining to sections previously confined to less productive fill methods. The old conventional techniques such as cut-and-fill, blasthole and shrinkage are taking on new flexibility and efficiency through extensive mechanization.

Other significant recent additions to this modern mining scene are the powerful new raise-borers, giraffe roof-bolting rigs, dual-ring fan drill rigs for longhole drilling, and 20 ton telescopic trucks.

The art of mining at Inco has entered an exciting new era of sophistication that strongly bolsters the Company's program to increase its annual nickel production capability in Canada to more than 600 million pounds by the latter part of 1971.

Endy Stekli

Endy Stekli, retiring on special early service pension, has been driving crane in the shearing department at the Port Colborne nickel refinery since 1943.

Born in Turulung, Hungary, in 1906, Endy arrived in Canada in 1927 and went out to the Calgary area where he farmed for a year.



Mr. and Mrs. Stekli

He then came to Port Colborne and became employed at the Nickel Refinery on December 3, 1928. After working in No. 1 building he was transferred to the

shearing section in 1933, remaining in this department until his retirement.

Endy and Julia Zurlo were married in Welland in 1931. They have four daughters, all residing in Welland: Mary (Mrs. Mike Papp), Katey (Mrs. John Gomerac), Elizabeth, employed by Ontario Rural Hydro and Margaret, a nursing assistant with the Welland County Hospital. Six grandchildren complete the Stekli family.

"I'm looking forward to my retirement," said Endy. "I did a lot of bowling and fishing in my younger days, but vegetable and flower gardening around our home is about my speed now."

Joe Laframboise

"I don't go very far without my two helpers," said Joe Laframboise as he parked his crutches and carefully lowered himself into an armchair. He hasn't been going fast or far since arthritis brought



Mr. and Mrs. Laframboise

about his retirement from Frood on disability pension after nearly 25 years with Inco.

A Hanmer farm was Joe's birthplace in 1924, and from the age of 14 he worked on local road construction.

He joined the Company at the Frood rockhouse in 1942, answered the call to the colours in 1943, shipped overseas with the Canadian Army to serve in England, France, Belgium and Holland, and sailed for home shortly after his 1946 marriage to Martha Berkel, a native of Rotterdam. She joined him in Canada the same year.

Joe returned to Frood mine and worked underground for a year as a motorman before he transferred to the Garson rockhouse. His move back to Frood as a crusherman came in 1959, and he was a car repairman at the time of his retirement.

He and his wife have brought up a family of six on their 80 acres near Hanmer. Daughter Maria is Mrs. Mark Therrien of Sudbury, Paul, 18, lives in Sault Ste. Marie, and Rachel, 15, Ronnie, 13, Suzanne, 10, and Monique, 6, are at home.

Full of determination to make the best of the situation, Joe refuses to be house-bound by his arthritis and makes regular trips to visit friends and relatives in the area.

OR LIFE MEMBERSHIP

By mistake MacPherson had put half a crown into the collection box. He left the church a broken man.

On the following Sunday he took his seat, and after a while the box came around.

Glancing swiftly at the sidesman he muttered with a slight cough, "Season ticket."

In the busy Welland County motorcycle clubhouse Wesley Pierce gets the word by radio from the Emergency Measures Organization that all 12 check-points on the 135-mile course are manned in readiness for gruelling test of bikes and riders.



Wes Pierce's Mississauga Enduro Now Canada's Biggest One-Day Run

A little-known sport, but one which has an intensely loyal following, is motorcycle cross-country riding. The event, known as an "enduro", is an endurance contest over a carefully laid-out course of between 50 and 500 miles. The aim of the rider is to average a predetermined speed set by the organizers while negotiating the many trails, logging roads, etc., and to arrive on schedule at the many unknown check points on the route.

In Canada up until five years ago the only well-known run was

the Corduroy Enduro, a 485-mile two-day event for the Canadian championship. This enduro got its name from the many corduroy roads encountered as it winds its way through the Haliburton Highlands.

Wesley Pierce, an Inco research secretary at Port Colborne, who had been entering numerous events in the United States and Canada, started an enduro at Port Colborne. He dubbed it the "Mississauga Enduro", since the highlight of the run was the Mississauga peat bog near Port Colborne.



Ed Givens of the nickel refinery locomotive crew, who won the first Port Colborne enduro and is always a strong contender, gives some pointers to three American entrants on the course marking scheme for this year's run.



Using an official Omega timepiece, starter Dave Atkins is seen sending the 125 riders away at the rate of two per minute on the tricky and often treacherous course in the pouring rain. Wilf Kordts and Rick Berry of Inco No. 3 research station are inspecting the machines for road-worthiness. The rider with his head turned is 16-year-old Tom Hoffman, whose father Lloyd works in the nickel refinery substation.

To add to the interest, this five-mile stretch of bog is inhabited by the Mississauga rattle snake. The Mississauga Enduro is now the largest in Canada for a one-day event, and is growing each year.

This year 125 entries started in pouring rain along a 135-mile route which included every imaginable type of terrain to test the rider's skill and his machine's ruggedness. Old canal lockages, floating bridges, a limestone mine, and four trails up and down the steep cliffs of the Niagara escarpment, along with the famous peat bog, had to be negotiated in the mud and pouring rain. The average speed to be maintained was 24 miles per hour.

Riders came from all parts of the United States, including two from California, and Canada was represented by two from British Columbia and one from Saskatchewan, as well as a host from all parts of Ontario.

The Emergency Measures Organization of Welland County used the event as a radio communications exercise and had men at all 12 check points, enabling fast tabulation of results.

Enthusiastic Wes Pierce is already started on the planning for next year's run. He'll take a week's special leave in April to pull all the details together and, with his colleagues, set a tricky route calculated to test the best of the continent's bike riders, maintaining his Mississauga Enduro in a class by itself.

Bob Deacon Winning Tough Disability Battle

Bob Deacon's memories of the Company's Copper Cliff operations are as sharp and clear today as they were when he started as a messenger at the general office 43 years ago. He has joined the ranks of Inco pensioners after being disabled by a stroke.

Born in Copper Cliff in 1910 and christened Russell, he can't recall just when he was dubbed Bob.

He carried the mail from '25 to '27, and then entered into a four-year electrical apprenticeship. "The first year carried a wage of 25 cents an hour," recalled Bob, who,



Mr. and Mrs. Deacon

during the years that followed has been busy wiring and installing electrical equipment as a first class electrician. "There was always something new and different to be done," he observed. "It's amazing how the years slip by."

It was while Marguerite Davidson of New Liskeard was working in the plant during World War II that she met Bob, and they were married in 1946 when she was employed at the Copper Refinery cafeteria.

The Deacons have three sons: Tommy is studying at Clarkson

College in Potsdam, New York, Don, 18, and Bruce, 15, attend Copper Cliff High School.

A well-known ball player who pitched a mean underhand ball for Copper Cliff in the 30s, Bob is back at the arm swinging, not up on the mound with a ball, but with weights and pulleys of his own design that he's installed at his home on Diorite Street in Copper Cliff.

"I'm coming along fine," he said, and he surely is. After complete paralysis of his left side just a year ago, Bob is already taking daily constitutional down town. "I'm not running yet," he said with a determined grin, "but don't rule it out."

Lucien Fournier

One of the first residents of Lively, Creighton motorman Lucien Fournier recalled that "we moved in before the paint was dry, and



Mr. and Mrs. Fournier

have seen the town grow from a farmer's field into one of the smartest and prettiest little towns in Northern Ontario."

Lucien has retired on disability pension after 28 years with the Company, all of which he spent at Creighton mine.

The pensioner was born near Ripon, Quebec, in 1905, the only boy in a family of nine. "You can bet I was spoiled," he commented with a grin. He grew up in St. Charles, Sturgeon Falls, and Chapleau, and in 1930 joined Inco at the Comiston smelter where he worked for two years.

Bushwork followed until 1940 when he became a miner at Creighton. "The story's simple after that," said Lucien. "I was two years on the end of a shovel and then I went on motor crew at No. 5 shaft and stayed there until retirement."

In 1930 Lucien was married to Marie Dupuis. "My grandfather came from Cornwall, Ontario, and was the first settler in the area that became the town of St. Charles," said Mrs. Fournier proudly. Their family of three, who all live in Sudbury, are, Fernand (Mrs. Mike Leclair), Orelle, and Rene.

Lucien and Mrs. Fournier will be sorry to leave Lively, and are planning to move to a Sudbury apartment. "There's one good thing about the move though," observed Lucien. "We'll be closer to our seven grandchildren."

Calder's "Man"

Alexander Calder's sculpture "Man", a 67-foot, 46-ton nickel stainless steel statue created for Expo 67, has been given to the city of Montreal by International Nickel. Composed of 3,280 feet of stainless steel sheets, 102 strips and 4,000 bolts, the largest work of the renowned sculptor will be permanently displayed in a park.



KNOWS HER FISH: Home without aquariums and schools of brilliant tropical fish just wouldn't be right for little 7-year-old Erica, seen here identifying some of the finny creatures for her father and mother, Eric and Gerda Westeroth. The 75-gallon tank is one of 25 such units in Eric's Long Lake home.

Multi-Hued Exotic Fish Are Eric Westeroth's Life Hobby

"While other kids were chasing girls and raiding apple orchards I was busy stirring up the mud in the local streams and collecting anything that moved."

Thus did Copper Cliff welder Eric Westeroth explain the beginnings of what became his lifetime hobby. He's an aquarist, a collector of tropical fish.

"Exotic fish would be a more correct description," Eric pointed out. "Many species do come from places with torrid climates, but others originate in more temperate zones like the USA and Europe."

Eric hasn't made a tall count recently, but he figures that he has close to 1,200 fish in the 25 glass tanks that line the walls of his Long Lake home.

Started When He Was 11

He's come a long way since 1935, when at age 11 he built his first 10-gallon aquarium in his home

town of Brunswick, Germany. "I had it filled with native fish," he recalled. "Stickelbacks, catfish, water beetles and snails. It wasn't very beautiful but to me it was everything."

The second world war parted Eric from his hobby. Taken prisoner in France in 1944, he lived in camps in England and the USA but on his return to Germany in 1948 he picked up where he had left off and was soon back in business with a 100-gallon tank.

"I worked as a welder making Volkswagens," said Eric, "and the peace and quiet of my hobby was perfect relaxation after the noise of the plant."

Together with his wife Gerda and his family, Eric emigrated to Canada in 1956. He started working at the Copper Cliff smelter in 1958, and was soon busy construct-

FEEDING TIME: It's doubtful if fish appreciate just how lucky they are to be tended by Eric's two attractive older daughters Hona, 18, and Maren, 16. A twice-daily ritual, feeding the fish is done morning and evening with a staple food carefully blended from no less than 50 ingredients to ensure a balanced and healthy diet. Beef heart and frozen brine shrimps are delicacies that are offered occasionally to add a little spice and variety to the fishes' menu.



ing his first Canadian aquarium at his home on Sunnyside Road, Long Lake.

"It didn't take me long to find out that there were many people in the Sudbury area who shared my interest," said Eric with a happy grin. He is one of the founder members of the Sudbury and District Tropical Fish Association who are now some 20 strong and hold regular monthly meetings in their homes.

A dealer in exotic fish, Eric tried his hand at opening a downtown store, but it didn't pan out. "So now my store's in my home, or my home's in my store — sometimes I'm not quite sure which," he said with a chuckle.

Mrs. Westeroth shares her husband's interest, but is not over-enthusiastic. "The fish are not much company when Eric and the family are away during the day — just a lot of bubbles and no conversation."

However the Westeroths' other pets, a big Collie dog, two cats, a brace of plovers, and a budgie, do show a little affection. "The cats are well trained and politely ignore the fish," observed Mrs. Westeroth.

Some Expert Advice

Eric the expert had a few helpful tips for aquarium fans. "One big mistake that many beginners make is crowding too many fish into too small a space. An aerated 20-gallon tank will support roughly 12 pairs of smaller type fish. An outside filter is the most practical because it can be cleaned without disturbing the tank."

Overfeeding is another common mistake. Accumulations of leftovers will soon pollute the aquarium and necessitate a water change. "With care and an occasional clean-up with a syphon, water need never be changed," said Eric. "Some of my tanks haven't been drained in six years."

Eric's ambitions still include plans for a cosy little pet shop, but his favorite dream concerns a children's zoo. "We could use one right here in the district," he enthused, "and we could show off the many interesting creatures that make their homes in the woods and waters of Northern Ontario."

Tony Simoneau

It was back in 1950 that Tony Simoneau was told that he had a nerve disease and that at most he had three years before he would be immobilized.

But sheer determination on the part of Tony extended that period to 18 years, and he has now retired



Mr. and Mrs. Simoneau

on disability pension after 23 years with Inco. He worked as a carpenter with the Copper Cliff public works department for 20 years.

Born in picturesque Perce, on Quebec's rugged Gaspé Peninsula in 1915, Tony fished the waters of the Gulf of St. Lawrence until the price of cod dropped to a sad 11¢ a pound in 1939, and then left for better prospects in the Gogama lumber camps.

He started with Inco at Murray mine in 1943, moved to Garson in 1945, and to the Copper Cliff smelter as a fitter the same year. He went to work for town foreman Vic Baker in 1948.

"I enjoyed working around the town," said Tony. "No two jobs were alike, and being out in the sunshine suited me just right. Most of the winter we worked inside where it was comfortably warm."

By an odd chance of fate, Tony's bride of 1942, Mable Simoneau, didn't have to change her name. The couple have two daughters; Bernadette lives at home, and Rosemarie was a 1968 June bride when she married Stobie miner Ray Rickard.

Tony and Mrs. Simoneau will be vacationing in Perce this summer, visiting his 94-year-old mother who still lives there.

PIONEER

The first man to go on a 40-hour week was Robinson Crusoe. His work was all done by Friday.



CONFRONTATION: A Blue Gourami pauses in its perambulations to give young Erica a long fishy stare. A native of Sumatra, Indonesia, the big fish is one of the bubble nest builders and a cannibal with a taste for smaller aquarium mates. It is also one of the few fish that will hunt and destroy hydra, a lower form of life that is the enemy of tropical fish breeders. Other occupants of the tank are Swordtails, Black Tetras, and Zebra fish.

Watkinson Shift Team Won Mine Rescue



Winning team in the annual mine rescue competition at Thompson came from Jess Watkinson's shift. They're shown here with their coach, safety engineer Wilf Lederhaus: Henry Squires (captain), Robert VanDrusen, Francis Norgate, George Bartinski, Don Belton, and Ron Ratcliffe (co-captain).

Opposing them in the contest was the Anderson shift team of

Herman P. Rower (coach), Aubrey Shaw (captain), Paul Lacasse, Edgar Farnell, Armond Poirier, Henry "Ike" Inman, Bill Laing.

In the Manitoba provincial competition the International Nickel team went up against teams from the Flin Flon and Snow Lake operations of Hudson Bay Mining & Smelting, Sherritt-Gordon of Lynn Lake, and San Antonio of Bissett. Victory went to Sherritt-Gordon.

Student Exchange Visits Strengthen the Nation

Two Inco homes are participating in the exchange of student visits between Quebec and the other nine Canadian provinces, designed to strengthen the unity of the nation.

Christopher Lee, son of Bernard Lee of Port Colborne nickel refinery, is exchanging two-week visits this summer with Alain Harrison of Baie Comeau, P.Q., and Jacqueline Wolchuk of 990 Beverly Drive, Sudbury, whose father J. D. Wolchuk is a chemist in the control lab at Copper Cliff. He is exchanging with Andree Asselin of Coteau Station, P.Q.

Arranged by the Canadian Council of Christians and Jews, a national organization of which Rt. Hon. Lester B. Pearson, P.C., is honorary chairman, the exchange visits this summer involve some 2,500 students.

Spent 40 Years on Town Maintenance at the Cliff

It's been 33 years since fire horses Pat and Kelly pounded through the streets of Copper Cliff hauling the fire reels behind them, but early service pensioner Lorne Hobden, who has retired after 40 years with the public works department of Copper Cliff, still thinks of them with affection.



L. Hobden

"I tended and drove them for seven years before they were retired in favor of a brand new LaFrance fire truck in 1935," recalled Lorne. "I never did get to use the old steam pumper but I often wondered how it would work out driving 3,000 pounds of horseflesh and feeding the firebox on the run."

Born in Whitefish in 1907, Lorne became an experienced teamster while working at the lumber camps in the Lake Penage area and left the bush for the town of

Bob MacDonald Cheerful And Determined Invalid

A fall from a ladder last winter robbed Frood's Bob MacDonald of the ability to walk, and ended his 30 years of service with Inco.

"There was only 12 vertical feet between me and this machine," said Bob, indicating his wheelchair. "But the fall was enough to break my back and leave me paralyzed from the waist down."

Bob's life story started in Port



Mr. and Mrs. MacDonald

William, where he was born in 1916, but from the age of four he grew up on a turkey farm near Sandfield on Manitoulin Island. "For a while we were going hot and strong in the turkey business," he recalled. "We took top prizes at the Royal Winter Fair in Toronto for five years in a row."

Unfortunately, the bottom dropped out of the turkey market in 1934, and the young man took to the water as a sailor with the Dominion Transportation Company, and sailed the Great Lakes for two years.

Port William sawmill followed, and then in 1939 he joined the Company to work underground at Levack mine. A move to the Frood open pit as a truckdriver came in 1942, after which he became a hoistman at Frood in 1950.

"That job had its ups and downs," said the pensioner, who despite his disability refuses to be downhearted. "So I became a carpenter, which involved a roving commission and a change of scenery. That was in 1967, and I enjoyed the job for all of six weeks before I had my accident."

Ten months flat on his back at

Toronto General Hospital was followed by rehabilitation at Lyndhurst Lodge. "My eyes were really opened," said Bob with a shake of his head. "I realized that I could be much worse off than I am. It's almost unbelievable that some of the simple slips and falls that were described to me by fellow patients could result in broken necks and backs and life in a wheelchair."

Bob's will to win through in the face of adversity is as strong as his sturdy Scottish heritage. "If I can swing it, I'd like to go back to school," he said. "And then I hope to get into some social service work."

Alice Wilson of Copper Cliff became Bob's wife in 1940. Their son Richard is a research chemist at the Company's J. Roy Gordon Research Laboratory near Toronto, and David is with Air Canada in Sudbury.

Not one to sit idle, Bob has had his car equipped with hand controls and makes regular shopping trips downtown from his home on Elm Street in Sudbury.

"I can get from the house to the car quite easily now," he said, "thanks to Frood carpenter foreman Ed Hickey and his boys, who came out in their spare time and built me a sturdy ramp from door to sidewalk. I'd like them all to know just how much I appreciate their good deed."

PENSION CHEQUES BEAT THE STRIKE

Thanks to a special effort by the accounting department at Copper Cliff, Inco pensioners were spared possible anxiety or inconvenience from failure of their pension cheques to arrive on time due to the postal strike.

Accounting department personnel worked through the week-end so that the month's 2,934 cheques issued at Copper Cliff could be sent on Monday, July 15, instead of on the normal mailing date of July 27.



450 at Hockey Banquet

Attended by 450 fathers and sons, a banquet wound up a very successful season for the Thompson minor hockey association under the sponsorship of the Community Club. Mothers of the young players served the delicious turkey dinner. Shown above are the victors in the Termite division, Detroit Red Wings, who were sponsored by the Kinmen Club, represented Tom Raynor (left), president, and Bob Ciano. The Tom Thumb, Peewee, Bantam and Midget divisions were also highly active under the direction of their volunteer coaches. Speakers at the big gathering were Teddy Hampson of Oakland Seals and Mel Pierson of Portland, who both impressed on the boys the importance of continuing their education, no matter how strong and exciting the lure of sport.