

INCO TRIANGLE

VOLUME 27

COPPER CLIFF, ONTARIO, NOVEMBER, 1967

NUMBER 8



Glamour in the Stope

(Story on Page 8)



Published for all employees of The International Nickel Company of Canada Limited

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Editorial Office, Copper Cliff, Ont.

Authorized as second class mail by the Post Office Department, Ottawa, and for payment of postage in cash.

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Inco Teams Up With France in New Caledonia

PARIS (Reuters) — Agreement has been reached between France's department of geological and mining research and International Nickel Co. of Canada on formation of a second company for developing mineral resources in New Caledonia in the South Pacific.

A communique issued Saturday night by the industries ministry and the ministry for overseas territories and departments, said a French Consortium will put up 60 per cent of the capital and Inco 40 per cent.

The management board of the new company will be French, the communique said.

Until now, exploitation of New Caledonia's ore bodies has been exclusively in the hands of a French company, Le Nickel.

The communique said: "With the important technical co-operation of Inco, the new company will be able to develop this South Pacific Ocean territory as a major industrial centre, realized thanks to the intervention of the French government."

New Caledonia's mineral resources include not only nickel but also chrome, manganese and iron. Silver, gold, cobalt, lead and copper have also been mined at various times.

Favor Returned

Stepped out briskly along the Albert Embankment in London with International Nickel public relations officer Michael Draco (left) are Peggy and Archie Dimmock of Copper Cliff.

Mill metallurgist Archie had acted as Michael's guide on a plant tour some years ago, and they had agreed to meet again in London some day. The Dimmocks couldn't have had a better host than the enthusiastic Michael, who shows off London as if he personally invented it.

Archie and Peggy touched almost all the bases in their glorious nine-week European holiday, visiting Belgium, Holland, Switzerland, Austria, Germany, Italy, Spain and France, and winding up with two weeks in the British Isles.



Chairman Issues Statement
Paris, October 22 — Henry S. Wingate, chairman of the board and chief officer of The International Nickel Company of Canada, Limited, made the following statement in regard to the announcement by the French Government:

"We are pleased to have the opportunity to be associated with French partners in the new project announced here today by the French Government for the development of previously undeveloped nickel deposits in New Caledonia. While in accordance with the policy of the French Government we have a minority equity position, 40 per cent, the new project will have our complete attention and cooperation. The International Nickel organization will participate fully in the feasibility studies with the objective of establishing facilities to provide yearly 50 to 100 million additional pounds of nickel to the world's supply. This new international venture will, we believe, benefit all of the participants and it will provide New Caledonia with a very real, new economic resource, with significant benefits to France and Canada. The anticipated additional production will provide nickel to meet consumers' increasing requirements throughout the world."

THE HINT

Tired of being a widower, Farmer Smith went into town, picked out a wife, married her, turned Dobbin around and drove home. Dobbin stumbled: "That's once," said the farmer. A little later, the horse stumbled again. "That's twice," said the farmer. When Dobbin stumbled again he said, "That's three times," pulled out a gun and shot the horse dead.

"You heartless brute," screamed his bride, slapping him hard in the face.

He looked at her for a moment, then said, "That's once."

Safer Lightpoles

For greater highway safety, special nickel stainless steel lightpoles with riveted bases have been developed to break away when struck by a car. The first large-scale installation of such poles has been made by the Minnesota State Highway Department.



The maker's number plate off one of the last of the old steam locomotives to be phased out of Inco service was the nostalgic souvenir presented to retiring transportation superintendent Jack MacKinnon (left) by his successor, Ken Johnston. On the right is J. B. McConnell, manager of reduction works. At a largely attended dinner Inco assistant general manager G. O. Mochum and other speakers lauded the fine tradition of service maintained by the retiring superintendent and his department.

Jack MacKinnon

When Jack MacKinnon stepped into retirement after 16 years as superintendent of transportation at Copper Cliff, his department had grown to an extensive railroading operation involving 187 miles of track, 500 units of rolling stock, 22 locomotives, and the maintenance of a 500-acre slag disposal area.

The efficiency of Inco's transportation system has been called a model among Canadian industrial enterprises.

Now comfortably settled in Toronto, Jack is at least close enough to the main line of the CPR that he can hear a train whistle now and then, which helps some to ease the transition.

Uppermost in his mind as he relinquished command was admiration for the "high sense of personal responsibility" felt by the men of the transportation department.

"They take real pride in their work and in delivering the goods around the clock in all kinds of weather," he said. "They're a fine group of men."

He confessed nostalgic regret at having watched the phasing out some years back of the last of the old steam locomotives in the Company's service. "They were smelly, and dirty, and noisy," he said, "but they had a little romance to them, and everyone was sorry in a way to see them go."

Among the major improvements which have taken place in the department's operations during his time he specially mentioned the mechanization of track moving on the slag dumps, and the establishment of radio communication with the locomotive crews.

One of a family of eight, John C. MacKinnon was born in Roseland, British Columbia — "the Golden City" he describes it, still

with a throb of the old home town pride in his voice.

He attended school in Trail, then started work in the old Bank of Hamilton. At 19 he spent a memorable summer as a forestry lookout man all alone on top of a 7800-foot mountain; he learned to talk grizzly bear language, which occasionally came in handy when he got into the railroading game.

He was employed by Cominco at Trail as a tank tester in the electrolytic zinc plant, then at a custom copper refinery where he worked at every job from scrap washer to crane operator.

Joining Inco at the Copper Refinery in 1930 as section inspector in the tankhouse, he became supervisor of the transportation department the following year.

His transfer to Copper Cliff as assistant superintendent of transportation took place in 1941, and 10 years later he was appointed superintendent on the retirement of R. A. Elliott.

During the latter part of World War II he also served as transit officer handling the rationing of gasoline and tires for all Inco employees, and the organization of car pools, a hectic experience from which he emerged firmly convinced that "most people are honest."

His marriage to Rose Dunnington of Sudbury took place in 1933. Their daughter, Judith Baker, a nursing science graduate, is on the staff of a psychiatric clinic in Chicago.

WHAT'S IN A NAME?

"What's your name?" the store manager asked the young applicant for a job.

"Henry Ford," replied the lad. "Henry Ford, eh?" remarked the manager with a smile. "That's a pretty well-known name."

The boy looked pleased. "Yes sir, it ought to be," he said proudly. "I've been delivering groceries around here for two years now."

Two can live as cheap as one, but it costs them twice as much. (Frank Sullivan)



Inco Family Album

This is the happy band of Stobie level boss Fern Stobie and his wife Evelyn. One of a family of 17 himself — he has six brothers on the Inco payroll — Fern is a firm believer in the joys of a large family. At the piano are Suzanne, 14, and Louise, 12, and in the audience with their parents are Dennis, 11, Rachel, 9, and Luc, 6, and Micheline, 4 months.



Ken McDonald came to Thompson in 1961 as a member of the security guard at the Inco plant, after serving for three years on the Winnipeg police force. He and his wife Margaret liked the life in the lively new town, and Ken is now employed by the Company as dispatcher. He takes a keen interest in sports activities. The young McDonalds are Steve, 4, Ian, 7, Jill, 10, and Paula, 12.



An Incoite since 1947, Ed Charlebois is a carpenter at the Nickel Refinery in Port Colborne. In the back row with Ed and his wife Norma in this merry group are Larry, 10, Dianne, 13, Leonard, 14, and Johnny, 8, while in front are Laura, 5, Joanne, 12, and Raymond, 3.



The girls outnumber the boys three to one in the attractive family of Copper Cliff chief maintenance planner Lena Crema and his wife Maureen. At the back of the group are Lynn, 14, Patsy, 13, Debbie, 5, and Robbie, 10; in the foreground, Laurie, 3, and Janet, 9.



Garrison state leader Almo Maki manages a minor hockey team in the winter and enjoys his camp at Little Penage Lake in the summer. Here he is with his wife Kaarina, daughter Elin, and hockey-loving sons Alf, 19, and Robert, 14.



Ambitious Tom Cionfione works in the Creighton mill by day and studies electricity and mathematics at night school. He and his wife Rebecca came from Italy to Inco in 1951. Their children are Susan, 13, Danny, 7, Richard, 10.



A Nova Scotia man, Sid Ward joined the Company in 1960, is now a trackman at Levack. He's teaching himself to play the guitar. With him in this picture are his wife Sandra and their two young ones, Sidney, 4, and Carol, 5.



New members Mac Dunn (left) and Alex Illis are warmly congratulated by executive vice-president Foster Todd.

TORONTO QUARTER CENTURY CLUB MEETS AT ROYAL YORK

Mac Dunn and Alex Illis, former members of the research department at Copper Cliff who are now on the staff of the J. Roy Gordon Research Laboratory at Sheridan Park, near Toronto, received their gold 25-year badges when the Toronto chapter of the Inco Quarter Century Club held its annual dinner at the Royal York Hotel.

Executive vice-president Foster Todd, in making the presentations, spoke of the sense of comradeship felt by members of the club through mutual bonds of long service and appreciation of the Company's strength and stability.

Old times at Frood-Stobie mine were recalled when pensioners George Hardy and Steve Quendeck got together for a chat. Mrs. Quendeck seems to be wisely taking the conversation with a grain of salt.



The sparkling Allen Sisters just back from a series of night club bookings in the U.S., were the top attraction of the snappy floor show. (Above) pensioner Dr. Trevor Beckett talks with Mrs. Harold Barland; in the background are Mr. Barland and Mrs. Norman Wadge.



Mrs. Clarence Chapman with Mr. and Mrs. Jack Vickers, who were married following Jack's retirement last spring.



Dr. Charles O'Neill, director of the J. Roy Gordon Research Laboratory, with his vivacious wife, Catherine.



Mrs. Andy Zachorowsky, Mrs. John Yawney, Mrs. Foster Todd and Mr. Yawney enjoying after-dinner reminiscences of the Sudbury district.



Harold Elves and Harry Galley, Toronto chapter members, talk things over.



Mrs. Felix Noblet of New York, wife of the Company's treasurer, dances with assistant vice-president K. H. J. Clarke.

There were 130 at the most enjoyable function, the majority former residents of the Nickel Belt now residing in the Toronto area. From afar came former chief engineer L. M. Sheridan, who retired on pension at Copper Cliff in 1947, and Mrs. Sheridan of Santa Barbara, California. After a reception in the Territories Room, dinner was served in the Ontario Room, followed by an excellent floor show and dancing to the music of the Paul Simmons orchestra.

Chapter secretary Gerry Marsh was in charge of the arrangements, and was assisted by a committee of Doug Cousins, Doug Keppy, Anna Langley, Shirley Clapper, Sandra Drollet, and Evelyn Sinclair.

Ed Prieur

Ed Prieur has downed tools and retired on service pension after nearly 25 years as a maintenance mechanic at the Copper Cliff mill. He celebrated his retirement by starting to paint his house from top to bottom, inside and out.

Born in Sturgeon Falls in 1902, Ed's first job was helping his dad in the family furniture store there. Driving a fire truck and working as a garage mechanic filled the years before he joined the Company in 1942. Pump work and re-

pairs to flotation cells has been his job for many years.

Ed married a Sturgeon Falls girl, Juliette Menard, in 1931. Their two daughters live in Sudbury:



Mr. and Mrs. Prieur

Francoise is Mrs. Ray Sauve, and Lorraine is married to John Rocheleau. Ed and his wife derive a great enjoyment from their four grandchildren.

During a mechanical department stag party at the Italian Club, Ed was presented with a purse and the best wishes from his friends and workmates for a long and enjoyable retirement. A bouquet of flowers sent to Mrs. Prieur was much appreciated.

Inco Assists Laval's Expansion Program

A contribution of \$200,000 over 10 years has been made to Laval University, Quebec, by The International Nickel Company of Canada, Limited. The contribution is the largest received by Laval for its present expansion program by a company without operations in Quebec.

The donation is part of the company's continuing aid to education which includes provisions for grants to leadership universities, particularly those committed to exceptional accomplishments. In announcing the contribution, P. Foster Todd, executive vice-president, said it was being made "in the belief that in the coming years Laval will continue its leadership in high standards of education".

Laval is one of Canada's oldest universities, tracing its descent from Le Séminaire de Québec, founded in 1663 by François de Montmorency Laval, first Bishop of New France. By 1950 the university had grown to such a size that it was no longer possible to expand its original facilities in the old city of Québec, and the Cité Universitaire was founded on a new site in the suburbs.

In 1973 this square mile complex will represent a total investment of \$231 million and have a student enrolment of 15,000, nearly double the present number. The university has initiated a campaign to raise \$35 million from private sources to finance this expansion.

Appointments

The following appointments in the Canadian sales, market development and research organization of The International Nickel Company of Canada, Limited were announced at Toronto by K. H. J. Clarke, assistant vice-president:

K. B. Young, deputy manager, Canadian marketing, formerly assistant manager for Canadian development and research;

J. D. McLean, assistant to the manager, Canadian marketing, formerly assistant manager, Canadian sales and administration;

H. A. Skelton, manager, Canadian sales, was assistant to the manager, Canadian sales and market development. He also becomes manager, International Sales Limited, a subsidiary;

W. H. Brokenshire, manager, Canadian development and research, was metallurgical engineer for the steel industry section;

A. S. Tuttle, group leader, ferrous products, in the development and research division, was mechanical engineer in the stainless steel section;

S. H. Ward, group leader, non-ferrous products in the development and research division, was formerly chemical engineer in the industrial chemicals, cobalt, precious metals section;

G. A. Lowles, who was chemical engineer in the non-ferrous metals section of the development and research division, becomes assistant manager of the subsidiary, International Sales Limited.

Procrastination is the art of keeping up with yesterday.

(Don Marquis)

Spent 20 Years As A Commercial Fisherman

A Manitoulin Islander, Cliff Langman left his job as tugboat captain and commercial fisherman in 1937 to join the Company. "The good old days when we could pull four tons of lake trout out of a seven mile gang net were over."



Mr. and Mrs. Langman

he recalled. "Maybe the lake was fished too hard, maybe it was the lamprey, I don't know, but the fish just weren't there."

Cliff has retired on service pension after nearly 26 years with Inco at Creighton.

Born in Parry Sound in 1902, his family moved to the Island and Meldrum Bay in 1906. Times were hard and at the tender age of 10 he was putting in a full day's work at the local shingle mill. Shutdown of the mill in 1914 was followed by work on a Silverwater farm; he turned his hand to commercial fishing in 1916.

After many years as operating shaft boss at Creighton, Cliff was hospitalized by heart trouble in 1960. He returned to the mine salvage shop, and worked there until retirement.

Myrtle Brokelbank became Cliff's bride in 1924. She has been disabled by a hip injury since 1961. Their grown-up family of three are Irene, the wife of John Butler of Deep River, Helen, now Mrs. Ross Blakely of Pte. Claire, Quebec, and Cliff, a machinist at Crean Hill. There are 13 grandchildren in the family.

Cliff is still a fisherman at heart, and enjoys nothing more than to wet a line and bring home fresh fish for the table.

Ike Short

"It's my own opinion, mind you," said disability pensioner Ike Short, "but I feel that it makes life much more interesting if a fellow changes his job once in a while." And Ike should know. Since he joined the Company 31 years ago, he worked in the transportation department as a trackman, in the copper reverber building as a



Mr. and Mrs. Short

furnaceman, as a slag dump man, as a maintenance mechanic in the crushing plant, as a blacksmith, and was a carpenter at the time of his retirement.

During his new-found leisure time this past summer, he tried yet another job. "I became a full-

Unique System Widely Used in Europe



Levack's newly designed new pollution control centre employs a unique system widely used in Europe but new to this continent.



Lively's new pollution control centre also uses the extended aeration process, which was chosen for the disposal facility at Expo '67.

LEVACK AND LIVELY GET NEW POLLUTION CONTROL CENTRES

New pollution control centres costing approximately \$300,000 each have been provided by International Nickel to the towns of Lively and Levack, assuring these communities of the most efficient sewage disposal facilities.

General manager J. A. Pigott took part with mayor Len Turner in the official opening of the new plant at Lively, with town councillor J. Dyck as chairman of the brief program. Town officials, interested citizens, and representatives of the manufacturers were present. At Levack, the official ribbon-cutting was performed by administrative assistant D. B. Taylor and Mayor I. J. Coady.

Similar facilities have also been installed by the Company during the past year at Frood, Stobie and Murray mines, at a total cost of

over \$340,000.

The five new pollution control centres are the first major installations in North America using the unique extended aeration process, a modification of the activated sludge system, in which the average flow of sewage is subjected to a 24-hour retention period followed by chlorination.

All the new mines and plants now under construction in Inco's huge expansion program are being equipped with pollution control facilities.

The Copper Cliff pollution control centre, built by the Company in 1958 at a cost of \$680,000, rates with the best city-owned sewage disposal facilities on the continent. Like other larger plants it uses the activated sludge system with heated sludge digestion.

Deputy mayor John Yando, D. B. Taylor, representing Inco, mayor Jim Coady, and councillor Eric Frederickson are shown at the opening of the new Levack facility.



time gardener at my camp on McFarlane Lake," he explained with a grin. "It suits me just fine."

Born in Dudley, Staffordshire, England, in 1907, Ike came to Canada and Meath, Ontario, with his parents in 1912. By the time he was 17, he was working on the railroad by day and the family farm by night. He ended this double life when he came to Inco in 1936.

His first wife, Myrtle Morrison, whom he married in 1927, died in 1928 after the birth of their daughter Isobel, now Mrs. Elmer Schuneman of Pembroke. He was married again in 1930, taking Margaret Anderson as his bride. Their son Robert and their grandson live in Waterford.

The Shorts are all set to travel this winter, with their sights set on Ottawa, New York and points south.

"The Legion of the Living Salutes the Legion of the Dead"



Brigadier G. L. Cassidy, DSO, ED, of Haileybury, took the salute as 70 members of R. L. Beattie Branch 224, Royal Canadian Legion, marched smartly past the reviewing stand in the annual Remembrance Day parade at Copper Cliff on November 11. Mayor R. G. Dow, Silver Cross Mother Mrs. Clarence Buck, and Legion president Jack Bennett were in the reviewing party. The parade was led by the Copper Cliff Highlanders pipe band.



It was a gray misty day in the Nickel Belt but hundreds turned out to ceremonies like the one above at Copper Cliff, honoring the dead of two world wars. The Last Post was sounded, the standards of the color party were lowered, and following the two-minute silent salute to the fallen, a lament was played by the pipe band. In the official party are seen Legion secretary Ed Corbett, mayor Dow, Brigadier Cassidy, Silver Cross Mother Mrs. Clarence Buck, master of ceremonies Capt. G. H. Hervey, CD, IODE regent Mrs. Eric Kossatz, Venerable Gilbert Thompson, and Legion president Jack Bennett. The guard of honor was composed of members of the Highland Cadet Corps.



President of the Legion ladies' auxiliary, Mrs. Rita Flynn bows in tribute after placing a wreath at the cenotaph. Accompanying her are Mrs. Doris Clare and Mrs. Nell Riley. Representatives of various other community organizations also laid wreaths.

POLITE BUT FIRM

The hostess asked a little girl dining out if she liked buttered parsnips.

"Oh, yes," replied the child politely. "I do."

But she took none when they were passed and the hostess said: "I thought you liked buttered parsnips."

"Oh, I do," explained the child. "But not enough to eat them."

Ore Plant. Completing their family of three are John in Oakville and Mary, a teacher in Sudbury. Six grandchildren are willing helpers when it's picking time in the large berry patch that takes up the greater part of Joe's flourishing garden, where he spends many happy and relaxed hours in the sunshine.

Onesime Dinard

"Bowling keeps me limbered up," said peppy service pensioner Onesime Dinard. "We've got a real livewire league going at the St. Jean De Brebeuf parish senior citizens club."

Onesime has retired from his job as baleman in the Orford building after 24 years with Inco.

Born south of the border near Mayville, North Dakota, Onesime



Mr. and Mrs. Dinard

was three when his family upped stakes and moved to a farm close to Alida, Saskatchewan. He moved to Inco and the Orford building in 1943.

A longtime bachelor, he married a Copper Cliff girl, Alphonsine Walker, in 1948. A contented couple, they both enjoy travelling and meeting old friends at card parties.

Onesime and his wife were honored at a No. 3 shift pension and welfare association stag and doe party. He was presented with a purse, and she with a wrist watch.

John Urban

Now that he's retired from Frood on service pension after more than 38 years with Inco, John Urban's chief occupation will be his garden, from which he has always had great pleasure.

Tilling the good earth is second nature to John, who was born to farming in 1902 in Se-covska Polanka, Slovakia. With a nest egg as his goal, he sailed for Canada in 1928 and was employed on a farm in Saskatchewan.

A search for a bigger pay cheque brought him to Sudbury in 1930. He was hired at Frood, and worked in the pillars and stopes there until 1962 when he became a powderman, the job he held at retirement.

His bride of 1924, Elizabeth Svirbel, joined him in 1938. Their three sons, John, Joe and Mike, all live in Sudbury. Joe is a winder at the Copper Cliff smelter.

Present plans include taking it easy, keeping tabs on his five grandchildren, and organizing a trip to the old country to visit four brothers and sisters whom he last saw in 1928.

Joe Koritko

Since his retirement on service pension, after nearly 32 years with the Company, Joe Koritko has become the official buyer of the family groceries. "I have lots of time now to browse around the stores and compare prices," said he with a wink, "and it pays off."

Joe was born in Kraviny, a small village in Czechoslovakia, in 1902. He made his move to Canada in 1928, and worked in Saskatchewan and on the docks at the Lakehead before he joined Inco at Frood in 1933. He spent his full service there, and for the past few years has been a timberman on the 800 level.

His wife, Elizabeth Okal when they were married in 1927, joined him in Canada in 1937 with their eldest son Jack who is now a maintenance mechanic at the Iron



Joe Koritko



John Urban

Inco Submission Highly Critical Of Carter Ideas

A wide-ranging, 300-page submission to federal finance minister Mitchell Sharp on the Carter Commission's proposals has been made by International Nickel.

In addition to its own resources, experience and staff, the Company retained a number of internationally known economists and tax experts to ensure "the most knowledgeable examination available" of specific proposals and what the Company judged to be areas of primary concern not only to the mining industry but to the welfare of Canadians generally.

While the submission is in the main critical, it states that its opposition is not "resistance to change" or an unwillingness to see imaginative new ideas implemented. The submission's underlying thesis is that economic growth, rather than the criteria used by the Commission, should be the prime consideration in formulating tax policy.

The submission notes the drastic quality of the changes recommended and pointed out that there is no experience in Canada or elsewhere to support the Commission's judgment as to the generally favourable impact of the recommended proposals. The submission points out that "the Commission's conclusions are based on theoretical analysis and are highly subjective."

"Enormously Damaging"

The Company expresses its strongly held view that the availability and use of capital would be adversely affected with serious consequences for Canada's growth if the Commission proposals were adopted.

It states that proposals for the elimination of the long-standing tax incentives for the mining industry would be enormously damaging to the industry and should be rejected. "If accepted, they would retard development of large areas of Canada, particularly

in the northern parts of the provinces and other remote areas, reduce provincial revenues and ultimately, federal tax revenues from the mining industry, cut Canada's exports, divert foreign capital from Canada and reduce the mining industry's important contribution to Canada's overall economic growth."

It further maintains that the total impact of the proposed new and different tax structure would be to partially isolate Canada economically, and that Canada's balance of payments would suffer unfavorable and probably severe effects.

The Company supports a number of proposed reforms on the treatment of losses, the concept of income averaging, the deductibility of "nothings", and reduced taxes on transfers between spouses. The taxation of capital gains is also supported by the Company if revenue needs require it, but only at substantially lower rates than the rates applicable to ordinary income.

Appointments

J. McCreedy, general manager of the Manitoba division, announced the following appointments at Thompson, effective October 5:

R. A. Carlyle, plant metallurgist;
G. E. Vivian, general safety engineer.

R. A. CARLYLE

After attending high school and Carleton College at Ottawa, Robert A. Carlyle enrolled at Queen's University, Kingston, where he

graduated in 1959 with a B.Sc. degree in metallurgical engineering.

He was employed by Noranda Mines, Limited, and Aluminum Company of Canada, before joining International Nickel



R. A. Carlyle

in 1962 as a research engineer at Port Colborne. His marriage to Sally Eisen-



THEY LAUGHED TILL THE TEARS ROLLED DOWN THEIR CHEEKS . . .

Hilarious Fun at Big "Stag and Doe" Party

An excellent meal, top-notch entertainment, and more than 400 members and guests in party mood were the ingredients that produced a fun-filled evening when the Copper Cliff No. 3 shift pension and welfare association of the nickel, copper, casting, separation and Orford buildings held its semi-annual stag and doe at the Italian Club.

Talented Levack rigger Gil Levesque and his guitar-playing country gentlemen opened the stage show with some foot-tapping rhythms, then juggler Seppo Levio nimbly demonstrated his control of balance. Toronto comedian Benny Silverton soon had the gathering rolling in the aisles with his clever violin shenanigans and his side splitting patter.

Following the show, and before the floor was cleared for dancing to the strains of the Commodores, presentations were made to pensioners Onesime Dinard and Cyril



. . . AT BENNY SILVERTON

Thrush and their wives. The men received purses, the ladies wrist-watches.

As usual, jolly Dennis Thyne did a first-class job as emcee for the affair, and, together with his capable committee, deserves congratulations for an evening that was enjoyed by all.

Curling, playing bridge, and travel are his favorite relaxations.

G. E. VIVIAN

Born at Wishart, Saskatchewan, Gordon E. Vivian attended the University of Toronto where he



G. E. Vivian

graduated in 1960 with a bachelor of science degree in mining engineering. Immediately following his graduation he began work with International Nickel at Thompson as a mine safety

helper. He subsequently held positions in the mine as a shift boss, safety engineer, and divisional foreman.

His leisure time activities include fishing, hunting, curling and bowling.

Incandescent Platinum

The first incandescent lamp, developed by Thomas A. Edison, used platinum wires sealed in glass as a conductor for the electricity. Platinum was used because its expansion from heat is nearly the same as that of glass.

Electrical Department Held Its Annual Dinner Dance



If the Italian Club had to suffer any short circuits or a case or two of fizzled fuses, then the time to have them would surely have been the night that the Copper Cliff electrical department welfare association held its annual dinner-dance. There would have been no end of expert help and advice from the 105 spark sharks

who attended with their ladies. The guys and gals danced to the sweet music of the Stardusters, and at midnight enjoyed beautiful servings of Italian Club style chicken and spaghetti. Organizer of the affair, able Albert Prete, did his usual fine job. At one table, shown above, was a group of the department's hardy

outdoor he-men, the linemen, with their partners. Clockwise from the left are Jack and Iris Hunter, Leo and Helen Barbe, Mickey Stahan, Eulalia McRae, Marilyn Gale, Monica Leclair, Rita and Bernie Akey, Bob Leclair, Gerry Gale, Sharon and Pete Hellstrom and Kay and Buckey Basso.



A powerful low-slung ScoopTram with a 5-ton load of ore in its bucket moves smartly from muck pile to ore pass in a cut-and-fill stope just above 800 level at the Frood. The low camera angle accentuates the height of the big stope, which is 20 feet. Clearly shown are the extensive roof bolting and wire screening, standard protection in this mining operation. The cemented sand fill floor provides ideal travel for the trackless mining juggernaut, which puts on a demonstration of ore removal that would make the old slusher sigh with envy. You can't see him from here but Joe Jackson is at the controls.

ALL IN THE DAY'S WORK AT Frood

THESE are times of change at Inco mines, times of change in methods and equipment as the Company keeps pace with the demand for nickel. Here and there focuses on new jobs, giving them glamour. But still there are the "unsung" jobs that are the backbone of a mine. The Trinagle camera took a walkabout at Frood mine examples of both.



Up in the engineering department a familiar scene shows Rod MacDonald, stope surveyor, updating the master longitudinal map of the mine which hangs in the superintendent's office.



Hoistman at his controls. The head of the big skip is important.

Welded metal screen, used for roof support in cut-and-fill stopes and format construction in undercut-and-fill, has become a big supply item in the changing mining scene at Frood. It comes in rolls 5 feet wide, and the mine uses about 25,000 linear feet a month. Here deckmen like Landry and Albert Fontaine push a truckload of screen into the cage, en route underground.



In the plate shop Berk Keaney is burning a strip off a cutting machine. The scene on the right is in the electric shop where Lorne Christnik is reconditioning the 66 nickel.

DRK Nine

exciting innova-
strives to keep
re the spotlight
the background
ining operation.
nd caught some

The Front Cover

Our dramatically lit cover pic-
ture shows one of the striking
developments in trackless min-
ing at Frood, the three-boom
drill jumbo, drilling 12-foot
upper holes in 10.75 cut-and-fill
stope on 800 level. The track-
less jumbo driller at the central
console is Ernie Chartrand.



Noel Carriere's full attention is on the dial as he manipulates
s to bring a 12-ton skip of ore into the dump at the top of
ime. The hoistmen, sitting alone on the platforms of the
ad cage hoists, have a solitary sort of a job but a highly
one.



In this picture a stope crew is loading upper holes drilled by the three-boom
jumbo shown on our cover. Gil Renaud directs the hose through which An/Fo
explosive is blown into the drill holes by the Anoloader which Elmer Burt is
carrying. Fuses can be seen suspended from holes already loaded. Observing
on the left is shift boss Roger Lapensee.



The well-equipped
Frood machine shop
handles the mine's work
and also the occasional
"custom" job like this
one, in which 4th year
apprentice Gordon
Evans is machining a
bushing for the idler
wheels on one of the
big electric shovels at
Clarabelle Open Pit.



Rugged and ready are
the riggers, who thrive
on the many tough in-
stallation jobs that keep
cropping up around the
mine. Here four of
them are shown cap-
ping a new rope for in-
stallation on No. 2 skip.
Securely bolting the
loop of tough wire rope
around the thimble are
Orville Brennan, Hec-
tor Bleau, Fred Thorn-
ton and Gene Monag-
han.



iece of 3/4-inch plate, using the highly versatile automatic
il shop, where an underground locomotive battery is being
l cadmium cells while Rene Wagg is replacing a jumper.

200 AT COPPER REFINERY STAG

Over 200 attended the Copper Refinery stag party at which nine recently retired employees were presented with gifts such as transistor radios, fishing rods and reels, and wallets of money. Each also received a mounted copper billet inscribed with his service record. The nine pensioners honored were A. Berube, W. Day, T. Ushick, A. Guise, F. Palakovic, L. Prete, G. Penstone, J. Morin, J. Crnich.

A delicious chicken and spaghetti dinner was served by the ladies of the Caruso Club, where the stag was held. Master of ceremonies was M. A. Luck. Arrangements for the highly successful party, staged by the athletic association, was made by president Bill Brown and secretary Bud Eles.

Some of the personalities in the big gathering are shown below:



John Tallevi certainly had the attention of his audience when this shot was taken. On the left are Roger Rochon and Roy Walsh, on the right Emil Jolicoeur and Harry Lyons.

Four well-known Refinery men are shown in this pre-dinner conversation: Ivan Pawluch, Frank Palakovic, Ivan's cousin, Joe Pawluch, and Gabe Prevost.



It's hard to say who's telling who in this gag pose by Ted Moroz and Mel Luck. On the right, enjoying a chat, are Walter Day and Charlie Crouch.



In this quartet were Bill Cook, Len Tulloch, Frank Cook and Tom Cornthwaite. A summer employee, Bill Cook has since returned to his studies at Laurentian University.

No Refinery party would be complete without that faithful committee man, Jim Tosta, who helped out this time by manning the cash box. He's seen taking some kidding from Fred Carson. In background are George Perzo and John Juhas.



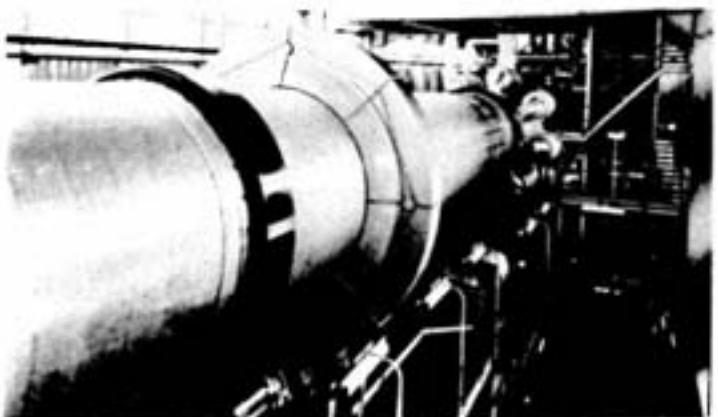
Lengthy Tunnels

Underground development in the nickel mines of International Nickel in Ontario and Manitoba

reached a total of 617 miles in 1966 — more than the distance by road between Toronto, Ontario, and Louisville, Kentucky.



An aerial view of the Clydach, Wales, refinery of International Nickel Limited, where an extensive modernization program has recently been completed. The new improvements firmly establish the facility as one of the most technologically advanced metal refineries in the world.



An important part of the improvements at the Clydach refinery was the installation of two large kilns of about the same size as those in the Iron Ore Plant at Copper Cliff. The Clydach kilns, one of which is shown above, operate in series, one for reduction and the other for volatilization. They replace 36 units of older design.

Inco's Clydach, Wales, Refinery Gets \$10 Million Modernization

A \$10 million modernization program at the Clydach, Wales, refinery of International Nickel Limited has firmly established this facility as one of the most technologically advanced metal refineries in the world.

Much of the nickel sold by International Nickel Limited throughout Europe is refined in this plant, which is International Nickel's oldest refinery in terms of continuous operation. Crude nickel oxide processed at Clydach comes from the Copper Cliff plant.

The recently completed modernization program includes the installation of two reducer kilns, which replace 36 units of older design. These large rotary kilns, designed to carry out the reduction and volatilization stages of the carbonyl process, have greatly increased the plant's overall efficiency. Modern methods of process control have been installed and a new unit has been built to produce hydrogen gas from naphtha.

Among the other major improvements made at the Clydach refinery in recent years have been the expansion of nickel powder production capacity and the replacement of 240 decomposers by

18 modern, high capacity units. A new chemical products plant, a cobalt refining plant, and research and control laboratories have been constructed as well.

The Clydach refinery was built at the turn of the century, following the development of the carbonyl nickel-refining process in 1889 by Ludwig Mond and Carl Langer in England. Almost three-quarters of a century later, this vapometallurgical process is still considered a scientific marvel. At moderate temperatures and atmospheric pressure, crude nickel is transformed into gas and then back into metallic nickel of the highest purity.

The refinery today supplies some 50 nickel and cobalt compounds to industrial customers throughout Great Britain and Continental Europe, in addition to pure nickel pellets and powder. It has over 1,300 employees.

Deluxe Transit

Rapid transit and subway cars, newly designed in nickel stainless steel, weigh several tons less than conventional steel cars and permit savings in power costs and maintenance of an estimated \$10,000 per car over a 35-year span.



Winners of the pumper division championship were Gil Lafreniere's Copper Cliff smelter brigade: back row, Kurt Tischler, Jerzy Golebiowski, Reo Bellmore, Terry Short, Jack Gibson; front row, Bob Soucie, Gil Lafreniere (shift chief), Luke Williams, Bill Martenivuk; not shown, Larry Froppier, Ralph Labieux, Joe Dubriul, Louis Dove, Jim Pochinko.

Gil Lafreniere and Dick Pearson Chiefs of Champion Fire Brigades

Although on the cool side weatherwise, the month of October was nonetheless a hot one for the Company's firefighters as they pitted wits and skills during the annual inter-plant fire brigade competitions.

Champions from a field of 10 in the pumper division, turned out to be Gil Lafreniere's Copper Cliff smelter brigade, while top honors in the non-pumper division, with 15 plants and mines competing, went to Dick Pearson's fast movers from Murray mine.

After congratulating the two victorious brigades, fire inspector Don Bray expressed his satisfaction with the overall results of the contests, which showed a high calibre of competence and team spirit.

Three-Second Margin

It was a close finish in the pumper division, with the Copper Cliff smelter brigade nosing out



Don Bray

Charron's Copper Cliff mill brigade by a mere three seconds, with respective times of 182 and 185 seconds. Levack town, winners in this division for the last three years, and Beauchamp's shift from Copper Cliff mill tied for third place only four seconds behind Lively (Eveline) followed with 190 seconds; Creighton mine 197 seconds; Copper Cliff smelter (Keall) 206 seconds; Levack mine 208 seconds; Copper Cliff mill (Pidgeon) 215 seconds; Lively (Portin) 216 seconds, and Copper Cliff smelter (Laframboise) 240 seconds.

Murray Away Ahead

The score sheet for the non-pumper division showed that Murray mine, with the excellent time of 44 seconds, held a healthy lead

of 16 seconds over second place Coniston (Rivard). Other times in this division were: Frood-Stobie 7 shaft, 61 seconds; Garson, 66 seconds; Crean Hill, 69 seconds; Copper Refinery (Auburn), 72 seconds; Frood-Stobie 3 shaft, 73 seconds; Iron Ore Plant (Morrison), 74 seconds; Copper Refinery (Botuk), 76 seconds; Coniston (McLean), 81 seconds; Clarabelle Open Pit, 85 seconds; Iron Ore Plant (Jack), last year's division winner 86 seconds; Coniston (Strom), 92 seconds; Copper Refinery (Clara), 98 seconds, and Iron Ore Plant (Pandke), 109 seconds.

Several evolutions were devised to test the brigade's speed and efficiency, including a hydrant-to-fire problem involving laying of hose through an obstacle and opening a target door with a combination fog nozzle set to deliver a prescribed degree of spray. A roof top fire, represented by another target door on an 18-foot-high building, was included to test ladder techniques, and there was also an oil and gasoline fire that had to be brought under control by selection of the appropriate hand extinguisher.

Operating in Smoke

Breathing machines and blind-folds were used in a test of the firemen's sense of direction. They were required to follow a hose into a supposedly smoke-filled room, find another hose there, and make a connection.

Three members of each of the non-pumper brigades were tested on their knowledge of knots, including a rescue hitch for the lowering of a man from a roof, a rolling hitch for securing a hose, and a tie for hoisting nozzles and hoses.

Two firemen from each competing unit were also tested on identification of equipment located in the area covered by the brigade.

After completion of each evolution, fire inspector Bray gave a



In the non-pumper division the Murray mine brigade emerged as champions: back row, Doug Dinnes, Jack McFadden, Joe Eles, Dick Pearson (chief), Frank Beauchamp, Tom Ryan; front row, Ron Hamalainen, Ed Lachance, Bill Muncester, Manse Brooks; not shown, Adam Patryshyn, Bill Mattonen, Bill Gamble, Jim Kilby, Dolph Flora.

short talk on various aspects of the type of fire fighting involved, and finished with a question-and-answer period.

First Worked as Water Boy At O'Donnell Roast Yard

It was in 1923 that George Hamilton started his 44-year career with Inco. Retired now on early service pension, his familiar figure will be missed from the Copper Cliff smelter where he has worked as a conductor with the transportation department since 1929.

Born in St. Gabriel, Quebec, in 1904, George first saw the Sudbury area when his family moved to the Mond village of Victoria Mines in 1908. They moved to the Ger-



Mr. and Mrs. Hamilton

trude Mine in 1912, and then the next year to O'Donnell, where George started his working life at the Canadian Copper Company roast yard as a water boy in 1918. A conductor when the roast yard operation ended in 1929, and he was transferred to Copper Cliff.

He and his bride of 1927, Angeva Gauthier, brought up a family of eight. Lillian (Mrs. Harry Southworth), lives in Toronto, but the other seven have settled in Sudbury. Blanche is the wife of Roger Laframboise, Madeline is married to Copper Cliff smelter bin boss Ed Lacoste, Margaret is Mrs. Ron Givogue, Annette is Mrs. Gil Doucette; sons George, Rene and Mike complete the list. So far they have 31 grandchildren.

Family and friends turned out in force to the Ryan Club to honor

George and his wife at a stag and doe party, and to present him with a ship-mounted mantle clock and a much-cherished picture of himself proudly posing on the Company's first 100-ton electric locomotive. Mrs. Hamilton received a bouquet of red roses.

Joe Grnecich

As a member of the yard and transportation department at the Copper Refinery, Joe Grnecich has operated a crane in the pig storage building since he joined the Company in 1936.

Now on pension, Joe is extremely proud of his more than 30 years of accident-free service.

Fort William was the place that he headed for when he left his home town of Dobrinj, Yugoslavia, in 1926, and he worked at a paper



Mr. and Mrs. Grnecich

mill there until 1931 when he returned home to marry Mary Justinic. Called by the rugged north country, he came back to Canada and Inco five years later. Mrs. Grnecich joined him here in 1955. Their son and daughter live in Yugoslavia.

One of Joe's retirement highlights so far has been a three-month visit by his daughter Anica, and a family trip to Expo.

As busy owner of an apartment house on Eva Street in Sudbury, Joe plans to devote his new-found leisure to putting with the plumbing and the thousand and one other little jobs that crop up. A visit to the old country and their family is on the books for Joe and his wife for next year.



On the Distaff Side at Thompson

Besides being much less interesting, the Thompson plant would be much less efficient without the young ladies whose talents and skills are so valuable in the smooth operation of the second largest nickel producer in the world. In the above group photo are, left to right: seated, Mieke Kimmel (laboratory), Sadie Peters (mail and file), Betty Forrest (purchasing), Judy Svenson (accounting),

Barbara Turner (accounting), Ardele Clark (personnel), Jean Donovan (mail and file), Virginia Goodridge (general engineering); standing, Barbara Duncan (switchboard opr. — receptionist), Ann Hunt (steno pool), Doreen Birch (general engineering), Brenda Harlow (laboratory), Wendy Kachanski (general engineering), Linda Gutray (mail and file), Phyllis Van Drunen (I.B.M. keypunch), Linda Squires (I.B.M. keypunch), Nancy Mould (accounting), Beth Reed (laboratory), Ethel Brown (I.B.M. keypunch), Cheryl Anderson (I.B.M. keypunch), Maureen Abrey (I.B.M. keypunch), Isabel Campbell (general engineering).

Vinko Grzetich

Service pensioner Vinko Grzetich has some sound advice for those who wish to retire and be as contented and healthy as he is. "The most important thing, as I see it, is to have pride in your job — no



Mr. and Mrs. Grzetich

matter what it happens to be," he said. "Secondly, take care of yourself with regular physical check-ups, and rest up when you feel the need."

The formula has paid off well for Vinko, who, with more than 30 years at the Copper Cliff smelter behind him, could be mistaken for a man in his early fifties any day of the week.

Born in the fishing village of Dobrinj, in Croatia, Yugoslavia, he came to Canada in 1926, worked as a furnaceman at Noranda following a trip to the old country where he was married in 1935 to Jelica Franuko, he joined Inco in 1936. Since 1938 he has worked in the nickel reverberating as a fettler tender, skimmer, and, for the past 22 years, as a tapper.

His wife and teenage daughter Olga joined him in Canada in 1952. Olga is now the wife of Copper Cliff control lab plant assayer Paul Mulc. One grandchild completes the family.

Vinko plans to take time off from the many maintenance chores connected with his apartment building on Frood road, and intends to travel in Europe and pay a visit to his home town.



Another group on the distaff side at Thompson: left to right, seated, Margaret Green (personnel), Colleen Bernard (pay office), Helena Knezevic (accounting), Maria da Costa (pay office), Eleanor Morris (pay office), Patricia Biggs (geology), Barbara Bramley (steno pool); standing, Jacqueline Perrier (steno pool), Arlette Gaertner (accounting), Marilyn Franck (steno pool), Dorothy Thibert (pay office), Edna Dorrington (pay office), Irma Bernauer (purchasing), Anne Kerr (purchasing), Hilda Fricke (purchasing), Audrey Sly (accounting), Iris Montpetit (accounting), Barbara Kloppenborg (purchasing).

Pat Was Once a Cotton Farmer in South Africa

E. P. Dalton, better known as "Pat", who has retired on service pension at Port Colborne, was born in Dublin, Ireland on October 18, 1902. At the end of the Boer War, Pat and his mother



Mr. and Mrs. Dalton

joined his father, who was manager of a coal mine at a little town

in South Africa called Vryheid. Pat attended St. Charles College, Peter Maritzburg, Natal, and finally Durban High School.

He had a job with a motor company for a couple of years and later managed a section of a cotton estate at the foot of the Lemboombo Mountains on the Pongola River. Surrounded by virgin bush teeming with wild life, it was 150 miles from the nearest town, and all transport was by ox or donkey wagon. Pat and his father then bought a small farm in that area and started in cotton. Prices were good then but in two years, with a glut of cotton on the world market, the price dropped from 75-80¢ to 10¢ for the best, so in 1927 Pat struck out for Canada.

He wanted to see the country but had no money, so he got a job as news agent on the railway and

toured Canada at the CPR's expense. He then worked for Teck Hughes Mines at Kirkland Lake, Thompson Cadillac and Noranda Mines. It was at the Thompson Cadillac Mine that he was taught assaying.

In May of 1941 Pat started with Inco in the precious metals lab at the Nickel Refinery in Port Colborne. In 1949 he transferred to the general lab. His main hobbies are the open spaces and hunting and fishing.

In 1932 Pat married Helen Wingham. Their son John is attending high school.

Pat's fellow employees gave him a retirement party at which he was presented with a purse of money by T. Cundill, who voiced the wish of all present that he and Mrs. Duncan would long enjoy his retirement.



Complete with trophies and victory smiles are the winners of the Lively Golf Club 1967 championships: men's club champion Allan Vickman, ladies' club champion Gerry Pappin, and husband-and-wife champions Beula and Casey Caul.

Lively Golfers Swing Axes to Boost Their Course to Par 34

Most golfers feel they're fully equipped for the course with spiked shoes, a bag of clubs, and a good supply of balls. Not so the Lively Golf Club. Some of the boys there have done as much swinging with an axe or a shovel this season as they have with their drivers. And the results? Next year, when the grass has grown in, their attractive nine-hole par 27 course will have grown to a par 34, after a bush-clearing program to lengthen several of the fairways. Close to 180 members and guests attended the club's second annual banquet at the Italian Club to enjoy a roast beef dinner, followed by presentations and dancing to the mellow music of the Stardusters.

According to men's president Bert Squirell, it was a most successful season, with membership reaching the limit of 525.

Faithful Frood Bowling Secretary Since 1939

Retiring from his job as storeman at Frood mine, after 39 years with the Company, Albert Stone recalled that it was to play soccer for the Garson mine team that he crossed the ocean from his native Wales in 1927.

"My brother was working at the mine and wrote me that they badly needed a good right-winger, and that there was lots of jobs to be had," explained Albert. "I was



Mr. and Mrs. Stone

pretty fast on my feet in those days, and we had some real good football in the old Sudbury soccer league."

Starting as an office boy with the Mond Nickel Company, which then operated Garson mine, he

The annual junior tournament, for youngsters eight to 18, saw 55 tee off, while the men's club tourney kicked off with 80 contestants eyeing the loot. Ladies' president Beula Caul reported that their membership was up to 150 from last year's figure of 120; sixty competed for the championship.

Winner and runner-up in the men's club championship flight were Allan Vickman and Eddy Mayer; in the 1st flight Jack Connors and Frank Young, 2nd flight Dale Borden and Dr. Terry Carscadden, 3rd flight Jack Connors and Walter Lalonde, and in the 4th flight Vern Tupling and Jack Young. The husband and wife championship went to Beula and Casey Caul, with runners-up June and Bob Seawright, while the ladies club championship was claimed by Gerry Pappin with Jewel Connors runner-up.

Full of vim and vigor, the membership plans to add a large veranda to the clubhouse next year, and give the building a fresh coat of paint.

worked at the rockhouse before moving to Frood in 1933 to start what was to be his life's work in the warehouse.

Albert and Emily Marsh, also of Cardiff, were married one week before his move to Canada. Their daughter Edna is the wife of Iron Ore Plant welder Clarence Soule, and they have three grandchildren.

His devoted service as secretary of the Frood athletic association bowling league, since 1939, was recognized by the presentation to him of a transistor radio. "I like to think of it as a retainer," said Albert with a wink. A stag party was also held in his honor by some 120 of his workmates, and during the evening he received a well-filled purse and a model of the warehouse truck that had been his constant companion over the years.

Among the most prominent new landmarks in Florida is a 20-story-high nickel stainless steel cross at the Mission of Nombre de Dios, St. Augustine. Known as a "Beacon of Faith," the monument marks the site where the cross of Christianity was first permanently planted in the United States more than 400 years ago.

Bill Wincott

William Wincott was born in Birmingham, England, but at the tender age of two came to Canada with his family and took up residence in Mimico, Ontario, where he attended school. By 1914 his family was on the move again, this time to Port Colborne.

Bill worked on the Welland Ship Canal, installing forms at Lock 8 (the longest lock in the world), and then for Fraser-Brace during construction of the Inco nickel



Mr. and Mrs. Wincott

refinery. It was in February of 1930 that he entered the employ of Inco as a skimmer in No. 1 Building. He joined the carpenters in 1933 and for the past 32 years has demonstrated his "know how" in the carpenter trade, always a cheerful, obliging and safety-conscious workman.

In 1923 Bill exchanged marriage vows with Marion Hardy of Port Colborne. They have one son and two daughters: Lois (Mrs. Joseph Fahl), Winnipeg; Kay (Mrs. Donald Noyes), photographer for the Port Colborne News; William, with International Milling in Buffalo, N.Y.; another son, Donald, gave his life in the Second World War. They have 10 grandchildren.

Bill is a hobbyist. He raises prize bantam chickens and pigeons, and is presently also raising canaries. He is also an ardent lawn bowler.

At a gathering in the machine shop Bill was presented with a purse of money from his fellow employees. C. H. Ott expressed

the Company's appreciation for Bill's faithful service, with best wishes for his retirement.

George Hornby

Frood pensioner George Hornby can recall some very vivid memories of the pioneering days in the West. Born in Toronto in 1902,



George Hornby

George was eight when his father filed on a homestead of 160 prairie acres at Senlac, Saskatchewan. "We built our own sod house and ploughed the soil with a team of oxen," he said. "It was a three-mile hike to our one-room

school. There was one teacher for 50 children in the eight grades. She sure had lots of courage."

Three years of drought followed by grasshopper plagues was enough to convince George that his future lay elsewhere, and in 1937 he headed east to work underground at Frood. He came to surface as a bulldozer operator at the open pit in 1942, and worked there until the pit closed in 1957. From then until retirement he was a maintenance mechanic in the machine shop.

Married since 1931, George's grown-up family includes Neil in Port Frances, Helen (Mrs. Jim Adams) and Vern in Sudbury, and Geraldine, a nurse at the Blind River Hospital. Eight grandchildren are on his regular visitor's list.

"This retirement bit takes a lot of getting used to," said George, who is the picture of health. "I haven't figured out yet just what I'm going to do, but I'm certain of one thing — there'll be no more punch cards and whistles for me — I'm free!"

Wives of Five Succeeding Refinery Managers



This group of gracious ladies, enjoying an afternoon chat over a cup of tea, has a unique distinction — all are wives of managers, past and present, of the Company's nickel refinery at Port Colborne. Their husbands held the post in succession from 1923, collectively representing a total of 178 years of service with Inco.

From the left are Mrs. Mabel Freeman, wife of W. J. Freeman, manager from 1959 to 1961; Mrs. Rhea Tuck, wife of J. H. Tuck,

manager from 1961 to 1964; Mrs. Ethel Walter, widow of H. W. Walter, whose term as manager was the longest, 1923 to 1945; Mrs. Margaret McQuire, widow of R. C. McQuire, manager from 1946 to 1958; Mrs. Helen Koth, wife of W. R. Koth, present manager who was appointed in 1964. All reside in Port Colborne.

Mrs. Walter will be 86 on November 20; she is the mother of assistant plant manager J. H. Walter.

Partners Above and Below Ground, They Mine Mink As Well As Nickel

The partnership of stoop leader Joe Kuhle and driller Louis van Dyk on the 3200 level at Levack doesn't end when the two ambitious and hard-working miners finish their shift. On their own time, they're also partners in mink.

"Windy Lake Joe" and "Dutchy", as they're known at the mine, started their underground partnership in 1959, three years after Joe left Germany for Canada and two years after Louis emigrated from Rotterdam, Holland. Joe had been a tailor and Louis worked on a dairy farm.

Their mink ranching partnership started in 1963 when they bought 11 of the furry little animals — eight females and three males — for \$550 from the Southern Ontario mink centre at Pergus, and installed them in individual wire pens they had constructed on a peaceful wooded site near Joe's modern home overlooking Windy Lake, some two miles from Levack.

In the first year they averaged three and a half offspring per litter — mink produce one litter a year — and since then have shipped 130 pelts to the annual fur auction in Montreal.

They added a black mink to their stock in 1965, and currently

their pens hold some 200 animals, 40 black, 150 pastel and semi-buff, and one handsome fellow which, by a whim of mutation, is pink-eyed with white fur.

After careful scrutiny of their meticulously kept breeding record cards, the stock will be reduced to about 40 females and 10 males some time this month, and the delicate business of pelting for the market will begin. At this time of year the pelts are at their best — the top hairs are long and the underhairs are thick and fine.

"During October and November we have to watch the weather pretty closely," explained Joe. "If a mink gets wet in the cold weather it usually ends up with pneumonia, and is dead within 24 hours. The pelt is no good to anybody then."

Pelt prices are controlled by supply and demand. A few years ago a good skin would fetch \$50, but at the auctions last year \$20 was the best price that Joe and Louis were offered. "Fur fashions and fads create the ups and downs," said Joe. "One item that caused quite a flurry of interest was a black mink bikini, but it didn't add much pep to the market."

Pelts from Canada go mainly to Germany and the United States.



With a natural meanness, and a set of razor-sharp teeth, mink are ready to fight and bite anything that moves, including the hand that feeds them. Protected by stout leather gloves, Joe Kuhle holds one of their 200 animals while he and his partner, Louis van Dyk, inspect the condition of its fur.

About 50 pelts must be tanned and stretched to make a coat. Black pelts are worth more than brown ones, which is the next most popular color. One breeder developed a jet black mink, sold pelts for \$1,000 and breeding animals for \$5,000 each.

Mash for mink consists of about 60% fish. "It puts sheen and color into the fur," explained Louis. The balance is carefully made up with eggs, liver, horse meat and cereal. A heavier meat content is fed to the animals during the spring breeding season. A healthy mink will eat about half a pound of mash a day, and requires a constant supply of fresh water.

Joe and Louis sidestep the chore of mixing their own feed by buying it in frozen 50-pound slabs from a Pergus supplier. A 1,000-pound supply is always on hand, stored in the deep-freeze chests adjacent to the pens. "Thawing it out in mid-winter can be a problem," observed Joe.

Other problems that have to be faced include those that present themselves during the spring breeding period. "After the introduction, some of the couples just don't see eye to eye," explained Louis, "and that's enough to start

the fur flying and a fight to the death."

Joe and his wife Hannelie have a family of two, Joey, 6, and Birgit, 5. Louis and Geertje also have two youngsters, Johnny, 6, and Teddy, 2.

Not content with a finger in only two pies, Louis runs a dry cow boarding farm on his 160 acres in Chelmsford. "There are 55 animals on the place right now," said Louis, "and I've just finished cutting and stacking 5,000 bales of hay for the winter."

What with mining, mink, and cows, it's a sure thing that there's never a dull moment for Joe and Louis.

Paddy Guise

Paddy Guise admits that he's never had it so good. Retired from the Copper Refinery on disability pension after nearly 24 years with Inco, he now enjoys the freedom that lets him watch television late shows until the small hours of the morning, then tumble into bed and sleep until noon.

Born and christened Albert in Copper Cliff in 1917, he left his job at a Sudbury garage to join the Company at the refinery in 1943, and has worked with the transportation department there ever since.

A single man who confesses that, despite an earnest search, he never could find the right gal to be his life partner. Paddy has enjoyed all the comforts of home while living with his younger sister, Mrs. Lenore Spark, for the past 25 years.

A translator radio and a copper plaque recording his service with the Company were presented to Paddy at the Caruso Club, when the Refinery boys held a stag for several of their new pensioners.



Paddy Guise



Showing their natural inquisitiveness, three of the inmates crowd to the front of their cages to see what's going on. Seen between two of his more common semi-buff color companions is the only pink-eyed white mink on the ranch. With 24 known shades between black and white, odd mutations can and do occur. A palomino put in an appearance on the Kuhle-van Dyk ranch last year.



It's feeding time at the only mink ranch between Levack and Pointe au Baril. Meals of mash, containing about 60% fish together with horse meat, eggs and liver, are served twice a day to the ever hungry and constantly active animals. Louis is shown placing the food on the top of the wire mesh enclosures, while Joe makes a regular inspection of the snug straw-lined sleeping and nesting quarters.



200 Enjoyed First Annual Party

Such a success that many of the men now think once a year isn't often enough, the first annual Pensioners Ball of the combined mechanical, electrical and stores departments at Coniston was thoroughly enjoyed by 100 couples. Two recently pensioned employees, Cyprien Larocque and Don Keir, were presented

with well-filled wallets, and their wives with bouquets of flowers. Shown above are some of the head table guests: 1, Miss Liza Riutta and Frank Sottile of the smelter fitters, who was master of ceremonies, with Mr. and Mrs. Cyprien Larocque; 2, chief electrician Herb Goodspeed and Mrs. Goodspeed, plant superintendent Ray Snitch and Mrs. Snitch; 3, Mrs. Price and mechanical foreman Verdel Price, Miss Frances Grant and master mechanic Ross Ferguson.

Gid Costello

It was in 1940 that Gid Costello left his fireman's berth on an ocean-going oil tanker to join the Inco mechanical department at Copper Cliff. Retired now on disability pension on account of arthritis, after 26 years with the Company, Gid confessed, "A couple of slow convoys in those big tubs was enough for me."

Born in Larchwood in 1911, and raised in Sturgeon Falls, he work-



Mr. and Mrs. Costello

ed as a timekeeper for the CPR at Sturgeon, and in the express office in Sudbury, before going to sea.

After two years with Inco he joined the RCAF in 1942, served in England, crossed to France on traffic control just after D-Day in 1944, and returned to Canada with his war bride, Dorothy Swainson of Great Yarmouth, in 1946.

He returned to the mechanical department the same year, and had worked in the shops office since 1965.

Gid and Mrs. Costello have one daughter, 18-year-old Linda, who attends grade 13 at Nickel District High School. They live on Fourth Avenue, Sudbury, with a fine view of Lake Ramsey from high above the shore line.

Bill Radey

Labor boss in the Orford building since 1938, Bill Radey has retired on service pension after



Mr. and Mrs. Radey

more than 30 years with the Company. "Since I retired," said Bill with his familiar twinkle in



Arrangements for the dinner and dance at the Club Allegri were capably handled by a committee representative of the mechanical, electrical and stores departments. Members of the committee with their ladies posed for this photograph: Carmen and Gerry Regimbal (blacksmith and machine shop), Villa and Angela Franchetta (carpenter shop), Miss Liza Riutta and Frank Sottile (smelter fitters), Cole and Bob Conlon (electric shop), Mary and Dino Santi (stores), Rose and Bill Poirier (sinter plant fitters), Lefisia and Armand Lemieux (plate shop).

his eye, "one thing has become very plain, I can't boss the labor at home."

Bill was born in 1902, in North Osnow, on the north shore of the St. Lawrence. As one of a family of 10 he became a breadwinner at 14 in the local sawmill. He attended barber school in Montreal in 1927, and for the next two years cut hair in Quyon, Quebec. He moved to the Sudbury area and Inco in 1937.

His marriage to Mary Velma Bean in 1933 has been blessed with a family of five: Joan is Mrs. Ron LeVigne of Sudbury, Earl lives in Capreol, Ed in Montreal, Gerry in Vancouver, and Keith in Espanola. Of their 12 grandchildren nine live locally and three in Montreal.

In excellent health, Bill plans to relax and take life as it comes. "Visiting the family will be our prime purpose in life," he said. "That will keep us happy and busy enough."

Precious Sparkers

Electrodes in aircraft sparkplugs, which fire an average 1,100 times each minute at the cruising speed of a piston-engine airliner, have tips made of the precious metal platinum.

August's Not Ready Yet For That Lazy-Boy Life

An underground track boss at Frood since 1960, and an Inco employee since 1929, service pensioner August Pintur isn't ready to be eased into a rocking chair just yet. "The boys at the mine presented me with a dandy lazy-boy. I guess they figured I needed to



Mr. and Mrs. Pintur

rest my legs after all the track-walking I've done," said he with a grin. "I appreciate their thoughts, but there will be lots of time for sitting down when I get old."

August's track experience started in Volavje in his native Croatia, and on his arrival in Canada in 1926 he was employed on railroad work in the West. He joined Inco

at Frood in 1929 as a trackman, and has worked all of his 37 years with the Company there. "I worked on surface for a short while," recalled August, "but it was always too hot or too cold, or too wet, and I was glad when I went underground again."

A girl from his village, Barbara Berecek, became his wife in 1921. Their son Joe is a Sudbury high school teacher and daughter Mary is Mrs. John Kirwan, who also lives in Sudbury. Their two grandchildren are regular callers.

August doesn't plan to match the 20 miles a day that he figures he walked at the mine, but is taking regular strolls to visit his old friends around town. These, together with summer gardening and wine-making in October, will keep him happily occupied during his retirement years.

Two miners sat down to eat their lunch. One began to unwrap a package some 18 inches long which was tied to his lunch pail.

"What's that?" asked the other. "My wife's away," said the first, "so I made myself a pie."

"A bit long, isn't it?"

"Long? Sure it's long, it's rhubarb."



Lunch pails aboard, part of the Port Colborne nickel refinery's bicycle brigade wheels past the main gates, homeward bound at the end of the shift.

Faithful Bikes Still Part of the Scene At Nickel Refinery

In this day and age when just about everybody gets around by car — even if they have only a few blocks to go — it's unusual to see well-filled bicycle racks in a plant parking lot.

But to a considerable number of nickel refinery workers at Port Colborne, the trusty bike is still the favorite, health-giving, inexpensive means of transportation to and from the job.

Twenty years ago, before the insidious auto completed its conquest and legs went out of style, there were six 40-bike racks in the nickel refinery parking lot. Although the need for this accommodation has gradually dwindled, there are still some 50 Incoites remaining faithful to their two-wheeled steeds except in the most inclement weather.

Most of the cyclists live within five or 10 minutes pedalling time of the plant. The man who could be aptly titled the senior cyclist is that sprightly 62-year-old sampler, Charlie Given, who has pumped his way to and from the plant, summer and winter, since he joined the Company in 1927.

Charlie lives just over a mile from the plant gate, and admits that on the occasional stormy day in mid-winter he breaks down and resorts to the comforts of his car. "For nearly 15 years, the old bike



Sampler Charlie Given is the senior cyclist, with 40 years in the saddle. The small seat on the crossbar was installed for his three children, is now used by his grandchildren.

and I didn't miss a day," said Charlie proudly.

From the economy viewpoint it's hard to beat Charlie's low cost transportation. He bought his bike second hand back in 1928 for the very reasonable price of \$4.00 and apart from a new pair of tires every three years or so, he has replaced little more than the oil needed for lubrication. "The handlebars came apart a few years back," recalled Charlie, "but I clamped 'em together with a piece of pipe and I've had no trouble since."

"I guess we'll retire together. We could both take off now on early pension, but if she doesn't fall apart in the meantime, maybe I'll wait till I'm 65."

Cliff Scott

Retired now from his job on an underground motor crew at Frood, after nearly 29 years with Inco, Cliff Scott recalled memories of his first job as a rough-rounder in a Perth shoe factory. "My job was to cut the excess leather from the sole after it had been stitched to the upper," he explained. "I was on piece work, and it didn't do to have an unsteady hand the morning after a night out with the boys — it would have put a hole in my wages." Cliff is on

disability pension after a long battle with arthritis.

Born in Fullbrook, near Perth, in 1907, he left shoes for nickel mining when he joined the Company in 1938. "I started on motor



Mr. and Mrs. Scott

crew, and I finished on motor crew," said Cliff. "I enjoyed my work because I was always on the go, and that suited me fine. I can't bear standing around with nothing to do."

Cliff and Marie Pratt tied the matrimonial knot in 1927 and have two sons. Orville lives in Peterborough and Gerald in Sudbury. There are already six grandchildren to carry on the family name.

Steve Culumovic

Forty-one years is a long time but Steve Culumovic has completed that many years at the Nickel Refinery in Port Colborne and is now



Mr. and Mrs. Culumovic

retiring on service pension. His service dates from July, 1926, the year he came out from Yugoslavia.

Steve's first and only job in Canada has been with Inco. He worked in the leaching, calcining

and sinter department until its curtailment in 1961, when he was transferred to the electrolytic department. For the past 16 years he has efficiently carried out the duties of sampler and boxman.

Steve and Monda Culumovic, who were married in 1926, have two sons and one daughter: Anna (Mrs. Harry Pyke) of Port Colborne, Steve in Toronto, and Peter in Maine. Five grandchildren complete the Culumovic family.

Presentation of a purse of money was made to Steve from his workmates by C. H. Ott, who thanked him on behalf of the Company and wished him and Mrs. Culumovic long happiness.

Vince Howard

"There was a bumper crop of snow in Copper Cliff in 1936," recalled disability pensioner Vince



Vince Howard

Howard. He should know, for that was the year he came to Copper Cliff from his home town on Allumette Island, Quebec, to shovel the white stuff for town foreman Bert Stone. He was 19.

He moved to the comfortable warmth of the nickel reverber building in the smelter the same year, and worked there for the full 28 years of his service with Inco, retiring as a furnaceman.

His bride of 1940, Irene Rochon, died in 1948, leaving him with a daughter, Joan, now the wife of John Dube of Rochester, New York, and mother of Vince's three grandchildren.

With a lifetime hobby of carpentry behind him, Vince is now spending much of his leisure time in his basement workshop making all the things that he never had time for during his busy working years.

A. Y. Jackson Paintings Presented to Library

A painting by the celebrated Canadian artist, A. Y. Jackson, one of the famed "Group of Seven" with his brush at the age of 84, was presented to the Copper Cliff Centennial Library by S. Walter Stewart of Toronto, chairman of the East York public library board and immediate past president of the Canadian Library Trustees Association. He is shown on the left, handing over his gift to Alex Crossgrave, chairman of the Copper Cliff public library board. The Sudbury and Algoma districts have long been favorite haunts of Jackson, supplying many scenes for his vigorous and colorful work. Mr. Stewart's gift shows Onaping Falls on the road to Levack. Another Jackson original, painted at Coniston, has been presented to the Copper Cliff library by Mr. Stewart's son-in-law and daughter, Mr. and Mrs. John Dowsett of Copper Cliff.



Safe and secure from the elements, these trusty holdouts in the auto age await their masters in the two remaining bike racks in the nickel refinery parking lot.