

INCO TRIANGLE

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Waiting for the Big Blacks to Come In

(Story on Page 15)





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New Mine, Mill at Stobie; Boost in Smelter Capacity

A new \$79,000,000 project for perpetuating the high capacity and life of the Sudbury District mines of The International Nickel Company of Canada, Limited, was announced September 23 at the annual dinner of the Quarter Century Club in the Sudbury Arena by Henry S. Wingate, chairman of the board.

The new project will also facilitate the Company's readily adding some 20,000,000 pounds of nickel, and like quantities of copper, to its annual Sudbury District producing capacity, he said, and the economies provided will permit the mining of ores which otherwise would be marginal.

Mr. Wingate said that the major portion of the new capital program will be completed by the end of 1967 and the balance afterwards . . . and will provide immediate and long-range benefits to International Nickel and to the economic life and employment opportunities of the whole Sudbury area.

The new capital program, Mr. Wingate said, "is evidence of our confidence in the potential of the Sudbury area and in our ability to create markets for the metals we will be producing here."

20 Million Pounds Increase

In his announcement Mr. Wingate said: "The project will make it possible to maintain for a very long time ahead our already exceptionally high level of producing capacity here. It will increase this very high capacity in our Sudbury operations even further — by some 20,000,000 pounds of nickel per annum, and like quantities of copper. It will provide important economies and contribute significantly to the extension of the life of this company and the employment it provides."

"The principal phases of the project are these:

"We will build an entirely new mill located adjacent to the Frood-Stobie mine, capable of handling 22,500 tons of ore a day (equivalent to 8,000,000 tons a year). Based on our favorable experience at Creighton, a pipeline will be constructed to transfer the concentrate from this new mill at Frood-Stobie directly to the smelter at Copper Cliff, four miles away. This phase of the project

The \$79,000,000 Program Announced by the Chairman

- A new large mine at a separate and distinct ore body about one mile north of the company's Frood-Stobie mine, to be known as Little Stobie mine;
- Extensive mine development and expansion in the Stobie section of the Frood-Stobie mine;
- An entirely new mill adjacent to the Frood-Stobie mine which will be capable of handling 22,500 tons of ore a day;
- A pipeline to transfer concentrates from the new Frood-Stobie mill directly to the Company's smelter at Copper Cliff, four miles away;
- Improvement for matte treatment at the Copper Cliff smelter, adding to capacity at the smelter and permitting increased production of nickel oxide sinter 90;
- Installation of a fluid-bed roaster to completely replace four multi-hearth roasters at the Copper Cliff smelter which will double the capacity of the roasters replaced and augment the capacity of the related smelter.

will cost \$32,000,000. The resulting economies in mill processing and ore-transportation costs will permit the mining of ores which otherwise would be marginal or not economically recoverable, and will make possible the orderly and more uniform long-term equalization of the average grades of ores to be mined in the Sudbury District.

"I am able to announce, as another phase of our project, that, in order to secure the benefit of utilizing these ores, we will proceed with extensive mine development and expansion in the Stobie Section of the Frood-Stobie mine. At the same time, we will open an entirely new mine having a long life expectancy — at a separate and distinct ore body of marginal grade, located about one mile north of the Frood-Stobie mine. This will be named the Little Stobie mine. It will have a production capacity of some 6,000

tons of ore per day. Altogether there will be three new mine shafts. One will be a production shaft sunk to a depth of 2,800 feet, with a hoisting capacity of 12,000 tons per day. The other two shafts will include a development shaft and a three-compartment service shaft. The capital cost of all these measures in the mining phase of the new project at Frood-Stobie mine and the new Little Stobie mine will exceed \$36,000,000.

Modernize at Copper Cliff

"Also as a part of the project, we will at the Copper Cliff smelter modernize and expand our matte separation facilities. This will have the direct result of removing bottlenecks introducing metallurgical efficiencies, and permitting us to increase production of our new Nickel Oxide Sinter 90 as the markets for that product develop in accordance with our expectations.

"In addition, at the Copper Cliff smelter we will proceed to install a fluid-bed roaster to completely replace four multi-hearth Herreshoff roasters.

"This will have double the capacity of the roasters replaced and will augment the capacity of the related smelter. We anticipate that the new fluid-bed roaster will demonstrate improved metallurgical efficiencies and cost performances which will lead to the eventual replacement of all of our Herreshoff roasters with fluid-bed roasting equipment.

"The changes in the matte separation plant, the installing of the fluid-bed roaster, and the further modernization included in the project will together involve expenditures of about \$11,000,000.

"What I have said to you will give you the major features of our new project. Altogether the cost will be very large, amounting to \$79,000,000. We hope to complete about \$30,000,000 of it by the end of next year, another \$35,000,000 in 1967, and the balance afterwards."



Inco's dynamic chairman of the board, Henry S. Wingate, shown as he made the multi-million dollar announcement at the Quarter Century Club banquet.

Other New Mine Projects

In his address Mr. Wingate referred at length to "another major milestone of the Company", the raising of the headframe and the initial sinking of the new No. 9 shaft at Creighton mine, which will be the deepest single shaft in North and South America. (Details of this project are given on page four.)

He also reviewed the Company's present mine development program embracing six new mines in Ontario, including the Crean Hill which was opened last year. The small McLennan mine has already come into production; the Totten mine will be producing next year, and the Kirkwood in 1967. The Coleman mine is scheduled for operation in 1967. The development of the Copper Cliff North mine is also expected to be completed late in 1967.

"To broaden our nickel production capability," the chairman continued, "a significant part of our new mine development activities is taking place also at our Manitoba properties. Progress at the Birchtree mine, announced last year, is going very well. The same is true of work for opening the Soab mine, located about 40 miles from the town of Thompson, announced this April.

"With all of the eight mines which I have mentioned, together with the Frood-Stobie, Garson, Murray, Levack and Clarabelle mines here, and the Thompson mine in Manitoba, we find ourselves, as we look to the future, with the finest array of nickel-producing properties in our history despite the removal of hundreds of millions of tons of ore from our mines since International Nickel was organized."

"This review underlines the fact that we are a mining company", Mr. Wingate declared. "We must never forget this or the fact that, as a mining company, we are constantly contending with the relentless truth of diminishing assets. Therefore, it is paramount among our responsibilities to develop existing ore bodies in an orderly manner which maximizes the long term recoveries and avoids wasteful practices, and, also, to search for and to develop new ore bodies constantly. For all of this we need to have and to invest large amounts of capital.

"I am sure that all of you can appreciate how advantageous it is for a mining company such as ours to be in an independent enough position to undertake new capital programs whenever and wherever we think they are necessary for our future. Our position as a company is similar to that of an individual buying, say, a new appliance for his home. How great it is either to have the cash or a sound credit reputation.

"When capital expenditures are proposed, our Board of Directors must consider the many risks involved and balance these against the possible savings and profits. Most exploration expenditures bring no returns at all. Often, too, a mineral find is of no value until economic methods or processes have subsequently been evolved — through the gambling of more of our resources of money and skills in the hope of making the discovery profitable."

INCO FAMILY ALBUM



An Inco employee since 1958, Amie Chauvin worked at Garson, Murray, Creighton and Stobie mines before he settled in his present job as sand unloader at Frood in 1963. The healthy, happy three-some in the middle are Helen 8, Patrick 5 and David 10. Leona Chauvin says that her husband can play almost any musical instrument and indications are that little Patrick has inherited his dad's ability.



Living in Waters township and working in the recovery building at the neighboring Iron Ore Plant creates no transportation problem for Bob Moxam. He has worked there for one and a half years and when not on shift can be found busily selling live bait from his store on highway 17, halfway between work and home. In the picture with him are his wife Rita and their two children Angel Holly, 3, and Robert, 2.



The No. 1 Dry at Copper Cliff would not be the same without the smiling face of Jackie Phillips, who has worked there as first aid man for the past 25 years. Here he is with his wife Elvi and their family: Elona, 12; Charlie, 18, who is starting his first year at Michigan State University on a hockey scholarship; Carol, wife of Rollie Wing of the Copper Cliff pay office, and John, 17.



Before he came to the nickel refinery at Thompson two years ago, Nelson Linklater worked for Canico, the Inco exploration subsidiary, for five years on the Manitoba exploration program. His wife Dorothy likes Indian handicraft, and does beautiful bead work. Their happy children are Shirley, 10, Norman, 12, Myrtle, 7, Lorraine, 2, and Patrick, 11 months.



LEFT: The attractive Moore family of Levack. Born and raised in Senneterre, P.Q., Maurice Moore joined Inco at the Copper Cliff smelter in 1960 and three years later transferred to Levack mine where he works as a driller. His wife's name is Jacqueline and his children are Debbie, 5, and Kenny, 3. CENTRE: Walter Goulding and his wife Margaret of Port Colborne, with Nancy, 15, and Walter jr., 19. A popular member of the carpenter shop



crew, Walter has service with the Company dating back to 1940. RIGHT: A clerk in the Copper Refinery production office, Chris Bischoff has worked for Inco since early 1964. His wife Dale hails from Washington, D.C. The happy couple are shown here with Wynne, 2, and little Chris junior, who at 10 months tips the scales at a hearty 27 pounds.

Creighton 9 Shaft Will Be Deepest In Hemisphere

Initial opening of the deepest single mine shaft in the Western Hemisphere was commemorated at Creighton mine September 24 in the presence of a distinguished group of government and civic dignitaries, and representatives of Canadian and United States press, radio and television.

Henry S. Wingate, chairman of the board of International Nickel, hung a commemorative stainless steel plaque on the wall of Creighton No. 9 shaft's brand new concrete headframe. Participating with him in the ceremony marking the occasion were Hon. J. Watson MacNaught, Canada's minister of mines and technical surveys, Hon. George Wardrope, Ontario's minister of mines, and Inco executive vice-president James C. Parlee.

Creighton No. 9 will be sunk to a depth of 7,150 feet, or nearly a mile and a half below surface, to permit the mining of an important body of ore located some time ago by drilling from underground exploration stations.

The 9 shaft headframe, already constructed to the sheave deck in record time, will tower 180 feet above the collar of the new shaft, which has been sunk 88 feet. The circular shaft, 21 feet in diameter inside the concrete, will be served by two hoists. The ore hoist will lift the skips, which will have a capacity of over 13 tons, at about 40 miles an hour to a storage bin in the headframe. A second hoist, capable of handling a double-deck cageload of 96 men, or up to 32,000 pounds of supplies, will travel at 30 miles an hour. The hoisting ropes, of special new type stainless steel wire construction, are designed to support five times the actual hanging loads to be hoisted. The power to be used at this new plant would provide light to a city of 30,000 people.

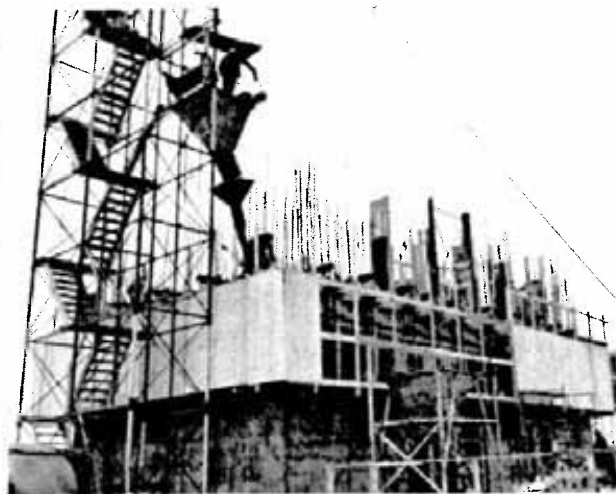
Thus Creighton mine, with a production history as old as the 20th century, takes on a new distinction unique in its half of the world.

A Great Mine for "Firsts"

Mr. Wingate delved into Creighton's romantic past during his address to the Quarter Century Club the night before the 9 shaft

Now It's "Instant" Headframes!

A fourth headframe appeared as if by magic on the Creighton skyline, joining the old familiar triumvirate marking No.'s 3, 5 and 7 shafts. It was the sturdy concrete tower at the new No. 9 shaft and it mushroomed to the sheave-deck height of 148 feet in just 10½ days. This astonishing construction feat was made possible by the new slip-form method of pouring concrete towers. Concrete is poured continuously into forms which are steadily lifted by hydraulic jacks at a speed slow enough to allow the concrete to set. The jacks are supported on rods embedded in the concrete. In other words the new headframe practically lifted itself up by its own bootstraps. Still to be added is the penthouse for the sheaves, the big wheels over which the hoisting ropes will be suspended. Total height will be 180 feet. The new tower, along with the shaft



collar, contains 4,000 yards of concrete and 285 tons of reinforcing steel. Pictures show the slip-form construction just nicely getting underway, and the finished job at the end of 10½ days! What next!

commemoration.

"The Creighton mine," he said, "is 65 years old, an age most of us associate with retirement. Several times in Creighton's history its life was thought to be almost over when new discoveries or new developments gave it renewed life. Today, as this new shaft testifies, Creighton clearly has a long and active life ahead with no thought of retirement."

"I can think of no better or more tangible symbol of the continuity of our business. Creighton has seen almost the whole roster of International Nickel employees come and go. It will see many who follow us, even those who are not living today."

"I am sure some of you here tonight — particularly the 232 of you who have worked at Creighton for 25 years or more — recall some of the notable 'firsts' associated with this mine."

"Hoisting in balance was first

used by our company at Creighton. The first underground crusher in Canada was installed on 6 level at Creighton. The first installation by our Company of a 50-ton fly-wheel, used with a motor generator set to cut down excessive starting load demand on the power plant, was another Creighton innovation."

"In the early days, cumbersome piston drills, which weighed about 275 pounds and required two men to set them up, were generally used underground. It was at Creighton — when the No. 3 shaft was being raised from 6, 8 and 10 levels — that a new type light hammer drill was introduced which weighed about half as much as the old piston drills, and produced so much better footage that soon every miner was clamoring

for one. (The air-leg drills we use today weigh only 75 pounds.) It was at Creighton also that panel-caving techniques were introduced to make possible the economic mining of large quantities of low grade ores overlying worked-out stopes and previously regarded as not minable."

"Epitomizes Inco Spirit"

Hon. J. Watson MacNaught, the federal minister of mines and technical surveys, paid this tribute to the 9 shaft undertaking:

"This project marks another rejuvenation in the life of Creighton, one of the oldest mines with probably the greatest orebodies in the Sudbury district. The magnitude and scope of this project is a vivid testimony to the foresight and boldness in planning typical of International Nickel and epitomizes the Inco spirit."



News media representatives crowded around a model of the Creighton orebody on display in the new 9 shaft headframe, firing questions at mines manager John McCreedy. Among them, in the foreground, are seen Roger Marceau of La Presse, Montreal, George Grace of the Sudbury Daily Star, Norman Benson of The Western Miner, Vancouver, and John Lee of the New York Times.



Grouped beside the plaque commemorating the initial opening of the new Creighton No. 9 shaft are Inco chairman Henry S. Wingate, provincial mines minister Hon. George Wardrope, federal minister of mines and technical surveys Hon. J. Watson MacNaught, and Inco executive vice-president James C. Parlee.



AN UNDERGROUND TRIP to Frood-Stobie mine was part of the tour keenly enjoyed by the large and distinguished group invited by the Company to attend the commemoration of the initial opening of Creighton 9 shaft. In the centre of the front row are the provincial and federal ministers of mines

with Inco chairman H. S. Wingate, and others to be seen are the mayors of Sudbury and Copper Cliff, J. J. Fabbro and R. G. Dow, along with the four members of parliament for Sudbury and Nickel Belt and many mines department and Inco officials.

mizes the spirit that has made International Nickel, and Canada, the world's largest nickel producer."

Hon. George C. Wardrope, the provincial minister of mines, said: "The collaring of the No. 9 shaft at the Creighton mines opens yet another chapter in the brilliant history of the International Nickel Company and is a triumph for all concerned, men, supervisors and management. I have no doubt that it is a great source of satisfaction to the renowned chairman of the company, Mr. Henry S. Wingate."

It was at Creighton, over 100 years ago, that the presence of minerals in the Sudbury area first came to light. In 1856, a land surveyor named Salter, while working in the area, noticed erratic disturbances to his compass needle, but did not appreciate the nature or potential of the mineralization responsible for such variations. The deposit was "re-discovered" in 1886 and one year later was acquired by the Canadian Copper Company.

Development of the Creighton ore body started in 1900. The first ore shipments began in 1901, and in 1902 ownership of the mine was transferred to the newly

formed International Nickel Company. When the available surface ore became depleted, the No. 1 shaft was sunk in 1903, followed by No. 2 shaft in 1907, in order to mine the ore from underground. The No. 3 shaft was sunk in 1915 to help meet the increased demand for nickel brought about by World War I. It is still operating as a service shaft on the south end of the old open pit. No. 4 underground shaft was sunk in 1926 to continue mining the ore which lay below the limits of No. 3 shaft. The No. 5 shaft plant, built in 1935, is still the present surface opening for mining at depth. No. 6 underground shaft, was sunk in 1941 to extract ore below the limits of No. 5 shaft.

As mining and milling technology advanced, the large low-grade zones in the upper part of the mine were made economic by the highly efficient No. 7 ore-hoisting shaft and concentrator, which were constructed in 1948 to process these ores. Subsequently, in the lower part of the mine, No. 8 shaft was collared on the 5,000 level and sunk to 6,600 level as a preliminary entry to the ore at this depth.

One hundred million tons of ore has been shipped to date from

Creighton mine. Five types of mining are used there, caving, undercut-and-fill, block cut-and-fill, cut-and-fill, and square set.

Excavate 35-Mile Trainload

The quantity of rock to be excavated during the sinking of Creighton No. 9 shaft would fill a train 35 miles long, and the concrete used for the lining would load another train three miles long. About five million pounds of steel will be erected in the shaft, to support the conveyances used for hoisting ore, supplies and men, and to support the various service lines required in a modern mine.

It is interesting to note that the rock temperature will range from 40° Fahrenheit on the surface to a warm 110° Fahrenheit at the bottom. Because of this temperature variance, nine and a half tons of fresh air will be delivered underground for each ton of ore mined to air-condition the mine. At Creighton, a unique method of supplying cool fresh air to the lower part of the mine is used. Air is drawn into the lower depths through openings in the upper part of the mine. These openings are naturally cooled by the passage of cold air during the winter months and during the summer

months the air supplied to the lower part of the mine is cooled by passing through this cold zone. This results in a uniform source of cool fresh air the year 'round.



NEWS MEDIA reporters also made a tour at Frood-Stobie. Here is Richard C. Pearce of The Northern Miner, Toronto, with Frederick F. Wood, assistant to the vice-president, Inco New York.



UNDERGROUND AT FROOD Hon. J. Watson MacNaught, federal minister of mines and technical surveys, listens to an explanation of roof-bolting by mines manager John McCreedy. 2. Executive vice-president James C. Parlee chats with Dr. Y. O. Fortier, director of the geological survey of Canada, and

J. P. Drolet, deputy minister of mines and technical surveys. 3. Making his first visit to the Sudbury district operations, recently appointed special assistant to the chairman of Inco, John H. Page (right) intently listens to his guide, superintendent of diamond drilling Charles Hews.

Gardens a Credit Despite Rugged Growing Season

Despite weather conditions that would drive a horticulturist to hops, Inco home-owners on the whole managed a highly creditable showing with their lawns and gardens this summer.

Announcing the results of the Company's annual garden competition, C. A. Young, chief agriculturist, conceded that the weather could have turned a green thumb grey: "The month of June was below normal in both temperature and precipitation. Frost occurred in some low lying areas on the 3rd of June. July, 1965, was a much different month than that of 1964 when above average temperatures and below normal precipitation prevailed. This year, July was a month of cool temperatures, cloudy skies and slightly above normal rainfall. August was another cool month with precipitation considerably above normal. The cool, wet conditions of July and August did much to reduce the amount of bloom in gardens, and these conditions were also conducive to the spread of plant diseases.

"As a general note", Mr. Young's

A DISPLAY which observers commented would have taken top honors in its class at the Canadian National Exhibition was Inco's contribution to Sudbury Horticultural Society's 44th annual exhibition, held at the Arena under the supervision of president Jack Latreille. The non-competitive exhibit featured an old grist mill with an operating water wheel, in a charming setting of pool flowers, shrubs and evergreens. It was prepared by the Company's agricultural department with the assistance of artist Orest Andrews' creative touch.

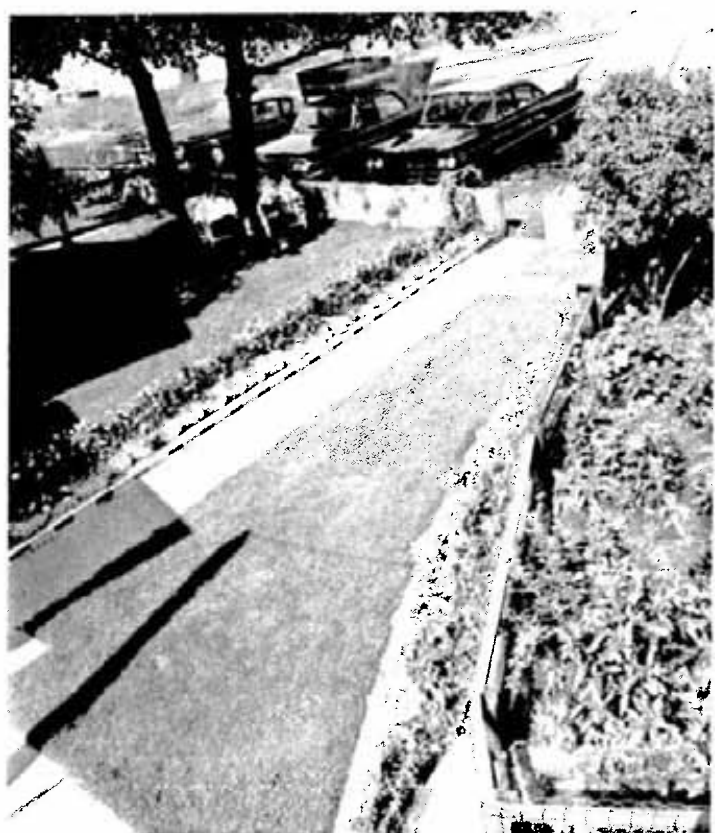
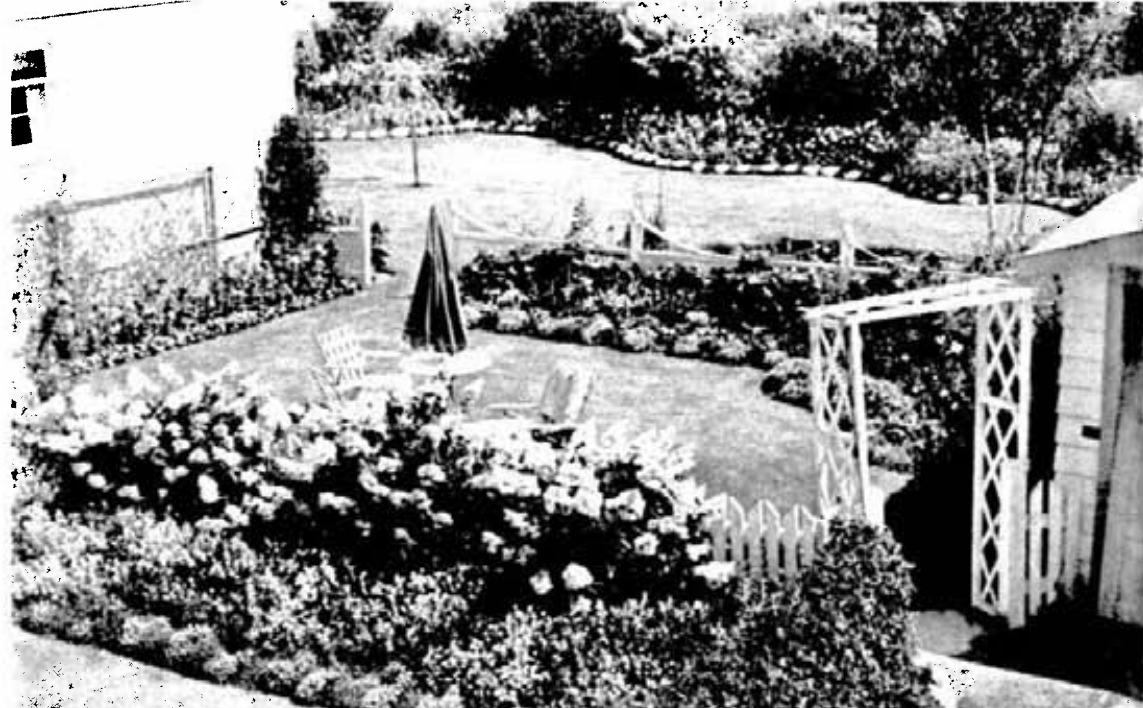
report continued, "it appears as though the quality of top gardens in all Company towns has declined somewhat while there are many new gardens which are showing a marked improvement. The Albert Street area of Creighton Mine continues to improve

and the people of this area in particular deserve much credit. The grounds in Copper Cliff, Lively and Levack are generally maintained in a neat condition and many places which were not awarded prizes this year may place in the near future. In these towns in particular it appears as though there is a trend from

flower gardens to lawns alone. Coniston gardeners who have placed in lower positions in previous years are making the most improvements in this town."

Judging of the gardens was again done by the veteran Sudbury horticulturist, Tom Vickers, assisted by members of the Inco agricultural department staff.

FINE BIG SHADE TREES, carpets of well-kept lawn, and bright borders of flowers presented a restful outdoor living room at the home of Mr. and Mrs. Joe Grivich of Creighton.



Copper Cliff

A. Stoddart, 8 Clarabelle, \$20.00; R. M. Thomas, 12 Clarabelle, \$15.00; E. Foston, 30 Power, \$10.00; C. Wilkin, 20 Cliff, \$9.00; J. Mercalfe, 8 Cobalt, \$8.00; E. J. Tuovinen, 32 Power, \$7.00; A. Nickle, 10 Balsam, \$6.00.

Awards of \$5.00 each: R. C. White, 4 Church; N. Temple, 15 Poplar; F. W. Savage, 34 Power; J. R. Clark, Jr., 6 Granite; M. W. Lemke, 38 Power; L. Hamilton, 5 Clarabelle; C. Stemp, 1B Orford; N. A. Creet, 3 Granite; R. Bell, 12 Oliver; E. Lempi, 13 Succo; F. G. O'Neill, 6 Church; J. M. McQuillan, 41 Evans Road; C. Mathews, 44 Pinland; D. Ghetu, 8 Basilio; J. Siwicki, 13 Poland; W. E. Boyle, 2 Orford; H. E. McKay, 1A Orford; F. Lisiecke, 19 Orford; R. A. Corless, 10 Power; F. Matte, 24 Cobalt; L. Zanetti, 37B Diorite; E. Bulfon, 15 Florence; G. Visentin, 35 Craig; R. Canapini, 63 Diorite; E. Maroon, 32 Union; G. Mascara, 13 Cliff; C. Mathe, 31 Power; J. C. McKinnon, 44 Power; D. S. Thom, 15 Power; N. Stromberg, 13 Power; G. A. Frame, 8 Power; Mrs. M. O'Reilly, 28 Poplar; C. P. Heaphy, 34 Poplar; P. Lowney, 5 Evans Rd.; W. J. Wrijole, 14 Poland; P. E. Semler, 39 Evans Rd.; G. Hashey, 20 Church; A. Van Allen, 14B Peter; G. Charland, 96 Balsam; H. Allan, 101A Balsam; H. Shields, 15 Succo; Mrs. L. C. McNally, 32B Nickel; G. Brost, 32A Nickel; W. J. Gladstone, 35 Nickel; J. G. Rickaby, 5 Market.

Coniston

G. Fedat, 106 Caruso, \$20.00; A. Martinello, 108 Caruso, \$15.00; A. Sylvestri, 28 Walter, \$10.00; D. Oliver, 10 Thomas, \$9.00; P. Baran, 16 Walter, \$8.00; P. Argentin, 8 Thomas, \$7.00; L. Visintin, 20 Walter, \$6.00.

Awards of \$5.00 each: Elilio Parolin, 90 Caruso; J. Solaki, 118 William; A. Gobbo, 59 Third Ave.; Wm. Burns, 66 Fourth Ave.; Lena Forestell, 30 Edward North; A. Floriani, 4 William; D. Chezzi, 30 Walter; B. Demarchi, 23 Walter; G. Cecchin, 21 Walter; G. Pidutti, 5 Walter; J. Shelegey, 14 Walter; J. Worobec, 7 Walter; A. Zanutto, 10 William; A. Parisotto, 88 Caruso; W. Deneka, 18 William; J. Haluschenski, 64 William; Florence Holunga, 128 William; N. Bilenki, 42 Edward Ave. S.; Sarah Shreeve, 48 Concession; W. G. Patterson, 60 Third Ave.; G. Davis, 63 East St.; J. Cook, 65 East St.; A. DeCicco, 40 East St.; W. Jablinchuk, 60 William; W. Bezzubik, 7 William; Mary Franchetto, 1 William; M. Battistuzzi, 3 William; N. Zylenyi, 11 Nickel; B. Comacchio, 20A Caruso; H. Commachio, 20B Caruso; Giovanna Giromatto, 42 Caruso.

Luigi Gogean, 92 Caruso; V. Battistuzzi, 39 Caruso; G. Sartor, 16 Allan St.; T. Oliver, 37 Caruso; E. Poirier, 13 William; E. Kowal, 70 William; J. Pachota, 129 William; W. Wicente, 131 William; Pearl Horrick, 44 Edward Ave. S.; J. B. Forestell, 50 Second Ave.; L. Cresswell, 20 Concession; A. Trepanier, 18 Concession; D. Slimmon, 10 Balsam; J. Barnes, 12 John St.; P. Gobbo, 14 John St.; B. A. Price, 23 First; L. King, 47 Third; P. Lucel, 62 East St.; M. Slywchuk, 60 East St.; W. Orill, 60 Edward Ave. S.; J. Cobra, 62 Edward Ave. S.; N. Sobin, 134 William St.; Pauline Chwyk, 136 William St.; J. Broniskbriska, 123 William St.; W. Holunga, 54 William; L. Sylvestri, 14 William; Donald Hugli, 9 William; S. Dzimidowicz, 25 Walter.



AT CONISTON Mrs. Theresa Silvestri, 28 Water Street, shows off some of the magnificent dahlias which were a feature of her attractive home grounds. PHLOX AND ZINNIAS predominate in a burst of floral beauty in this corner (right) of the Al Stoddart garden at Copper Cliff, always a top display in the Inco competition.

A. Limarelli, 26 Caruso; V. Milani, 38 Caruso; E. Zanatta, 46 Caruso; E. Oliver, 50 Caruso; W. Conlon, 2 Hillside Court; H. Fabris, 33 Caruso; S. Floriani, 18 Allan St.

Creighton

N. E. Silversen, 48 Alexandra, \$20.00; W. Oja, 2A George, \$15.00; A. Ostashek, 42 Alexandra, \$10.00; J. Balint, 23 Albert, \$9.00; J. Grivich, 15 Albert, \$8.00; M. Hreljac, 13 Albert, \$7.00; W. Waligora, 1A Albert, \$6.00.

Awards of \$5.00 each: H. Smith, 15 Churchill; I. Gasiorowski, 9B Albert; J. D. Hutton, 31 George; A. Ostafie, 19 Lake; G. W. Lynn, 34 Wavell; J. Lekun, 21 Alexandra; T. Murphy, 55 Wavell; J. K. Jones, 5A Snider; J. Glibe, 7 George; G. Syvokes, 9A Albert; K. Suutarinen, 20 George; G. S. Luck, 59 Wavell; C. F. Briggs, 57 Wavell; E. Kozzarine, 33 Copper Cliff Rd.; G. A. Hood, 4A Lake; P. Dobranowski, 4B Lake; J. Smith, 7 Lake; A. Paszkowski, 4A Algoma; C. A. Adams, 45 Alexandra; R. J. Jafkins, 43 Alexandra; C. Hastrawser, 9 Edward; M. Kotanen, 15 Edward; L. Vagnini, 7 Marsh; S. Billy, 2B Travers; J. Pierini, 8 Kitchener; R. Barbeau, 19 French.

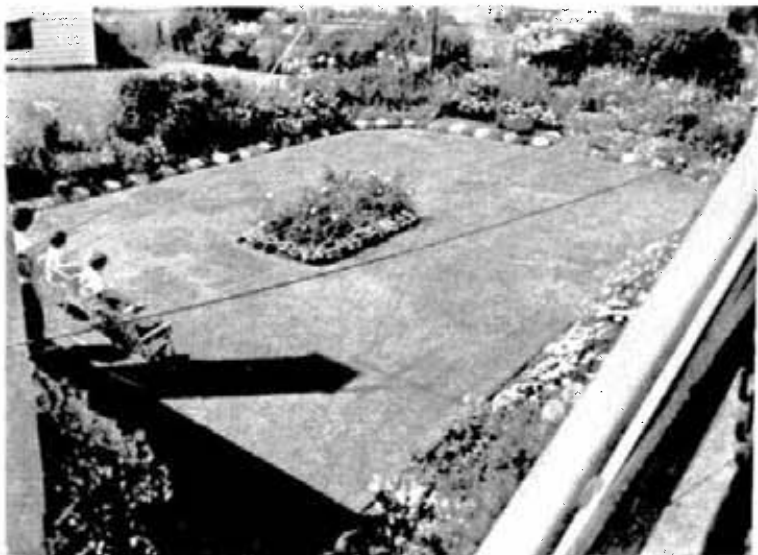
Garson

Awards of \$5.00 each: R. Crawford, 6 Armstrong; R. Leveque, 353 Pine; A. Lye, Jr., 329 Pine; A. Morin, 60 McDougall; P. Norris, 5 Henry; N. Ogilvie, 124 Henry; V. Stone, 27 McDougall.

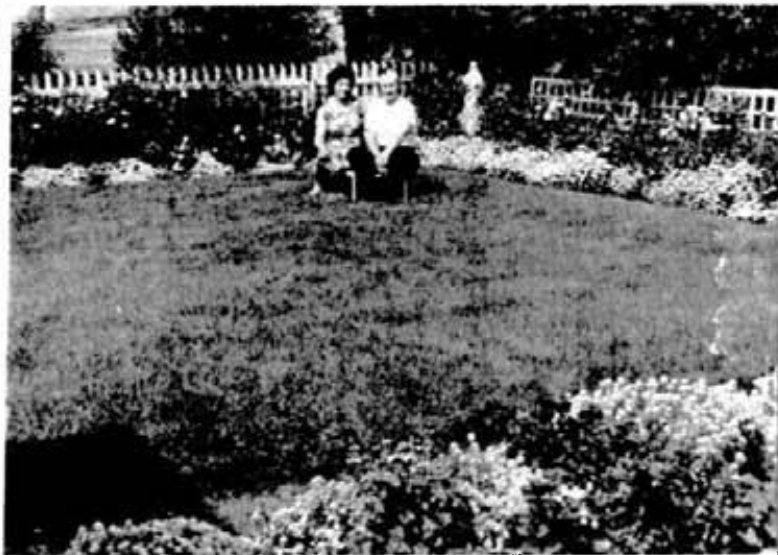
(Continued on Page 22)



TOO BAD this picture isn't in color to catch the many rich hues in the handsome show of dahlias which Mrs. Eino Tuovinen grows with such success at 32 Power Street, Copper Cliff and also at her summer camp at Long Lake.



CENTRED by a beautiful bed of roses, the neatly bordered lawn in the back yard of Mr. and Mrs. W. J. Koch of Lively is surrounded by masses of bloom it's a joy to contemplate. This garden is a perennial Lively winner. ANOTHER



COUPLE who are always at or near the top of the Coniston winners are Mr. and Mrs. Mario Martinello, shown taking their ease in lovely grounds at 98 Second Street.

Copper Cliff Highland Cadet Band Selected to Play for CNE Ceremony



Another honor has been accorded Canada's finest Highland cadet corps pipe band. On September 4, Cadet and Citizenship Day at the Canadian National Exhibition, music for the mounting of the ceremonial quarterguard from the Black Watch (Royal Highland Regiment) was provided by the prize-winning pipes and drums of the Copper Cliff Highland Cadet Corps. Picture shows the ceremony. In the foreground can be seen Captain Geoff Hervey, commanding officer of the Copper Cliff Highland Cadet Corps, which has applied for affiliation with the Black Watch.



At the 48th annual inspection of the corps, following its two-week camp at Fairbanks Lake, the quarterguard is shown being inspected by Lieutenant W. Thompson, followed by CSM R. Robitaille. The soggy parade ground may have muffled the sound of marching feet and muddied the spotless spats, but it in no way affected the smartness of the cadets on parade.

Albert Poulton

"The first house our family had in Canada after coming from London, England, in 1906, was a sod house in Winnipeg. A couple of months after we moved in we had a dandy rain storm and the roof caved in. My mother took a real dim view of the situation so dad upped stakes and moved the family to Sudbury where we settled in a house at the Evans brickyard just off



Albert Poulton

Martindale road."

So recalled Albert Poulton who is just settling into retirement after nearly 37 years with Inco. A heart attack in late 1964 prompted Ab to take a disability pension early this year.

"I left school when I was 14, that was in 1917, and I joined the army. I was skinny but I was tall so I upped my age a little bit and became a bugler and general chore boy for the officers at Camp Borden. I was shipped over to England in 1918 but my dad found out and I was discharged and confined to barracks for two months before I was shipped home."

Starting with Inco at Copper Cliff, Ab recalled that he was hired by "Cap" Hambley, who was superintendent of transportation



The record crowd of over 400 that braved the rainy night to attend the Fairbanks Lake ceremonial enjoyed the exciting and amusing display of organized action during the tent raising and lowering competition, which was won by No. 2 platoon.

The reviewing officer, Brigadier J. F. Westhead, recently retired from 16 Ontario Militia Group, is shown presenting the Lieutenant-Colonel Carl Wilson trophy for the most improved bandsman to drummer-cadet Brian Gervais. Pipe Major D. McCroome accepted for the band the Lieutenant-Colonel T. P. Gilday trophy for the best platoon, and also the Major R. J. Swain trophy for the best service rifle shot, won by himself; he will take part in the 1966 Bisley. The Major R. C. Barnes trophy for the best cadet was awarded by Captain Helmut Malmiste, and the



M. Smith trophy for first aid proficiency to Cadet Adrian Lea.

at that time. Laid off the same year, Ab found work with the British America Nickel Company at what is now Murray mine. Laid off again, he decided to head west and was hired as a cowpoke at a ranch near Swift Current, Saskatchewan, and for the next three years spent summers in the saddle and winters playing hockey for the Rosetown Black Hawks. "It was a tough three years. I got bruises in both rackets — though in slightly different places!"

Back east again he worked at the boarding house run by Ted March in Creighton. In 1926 Ab was hired by "Cap" Hussey to help sink No. 3 shaft at Frood Mine. On completion of the shaft, Ab was again on the layoff list but was soon rehired at Copper Cliff by Davey Small as a boiler-maker helper. "The company bought a new snow plow in 1929. We called it "Big Bertha", and it was my job to drive it. I would get a rousing reception in Creighton when I got through to them

after the road had been plugged for three or four days."

Ab was an engineer on the steam dinkies until they were abandoned and he was transferred to the Orford building as a crane-man, then to skimmer on the acid shells until he was promoted to day foreman when Bill Chapman retired. At the time of his retirement, he was electric furnace boss.

Ab was married to Laura Suckow in 1927 and the couple are proud of their family of five and their 10 grandchildren. Daughter Mrs. Geraldine San Cartier lives in Elliot Lake. Ron lives in Lively and works at the Copper Cliff smelter. Mrs. Rita Lukkarila and Mrs. Joan Waters live in Sudbury, and Bob is a mining engineer with Inco at Thompson.

"Breathing pure oxygen will cure seasickness," says a physician. Maybe so, but a seasick person is usually too busy to breathe pure oxygen.

The Two Worlds of Egon Lange



On the job at the Nickel Plant, Egon Lange is seen making a test to determine the content of the atmosphere in the Mond reducers. He has been a reducer operator since 1963. The second picture shows him at the wheel of his tractor, smiling broadly as he tackles a round of farm chores after working his regular shift at the plant.



Elga Lange, 12, stands first in her class at the nearby country school, and also first in the hearts of her father's Holsteins. She gives them names like Ruth and Daisy, slips them an extra helping of oats now and then, and is sad when each herd is sold and shipped away.



This is the Lange farmstead, just a few miles from Port Colborne and within sight of the Inco Refinery stacks. Egon Lange bought it in 1960, has given it a fine reputation among buyers of improvement stock.

Raising Holsteins A Boyhood Ambition

Egon Lange figures he has the best of two worlds — a good job with International Nickel and a small farm for a home and a hobby.

He makes the most of both.

His job at Inco's nickel refinery in Port Colborne is to operate the Mond reducers, big multi-hearth vessels in which nickel oxide is reduced to a very active powder used to remove copper from the electrolyte.

Egon thinks his job is one of the best in the Nickel Plant. "I am proud to be an employee of International Nickel, and I like to do my full share of work," he said, talking about the sense of responsibility his job gives him.

In his other world, which happily is located only four miles from the plant, he satisfies his love of country life, raising his family in the freedom and fresh air of his own little farm.

This handsome six-footer, whip-strong from long hours of the hard work he really enjoys, arrived in Canada in 1950 at the age of 24 from Germany, coming to his aunt's farm at Wainfleet. Eager and ambitious, he soon had a job at Inco and a savings account at the bank. By 1953 he had stashed away enough to buy a farm at Wainfleet, and for the next seven

years poured his spare-time energy into operating a dairy herd of 16 cows. But it was just too much work to go along with a steady job, so he sold out in 1960 and bought his present place, just east of Port Colborne.

In this pleasant little farm he has 68 acres, of which he operates 30, renting a slice of the balance. There he raises purebred Holsteins, buying young calves and developing them into sleek animals which



A few fruit trees on the farm yield more than enough pears and apples for the Langes' needs. Egon's wife Margaret is shown doing the fall preserving.



The corn is as high as an elephant's eye at the Lange farm. Egon grows all his own feed, usually plants two acres of corn and five to 10 acres of oats.

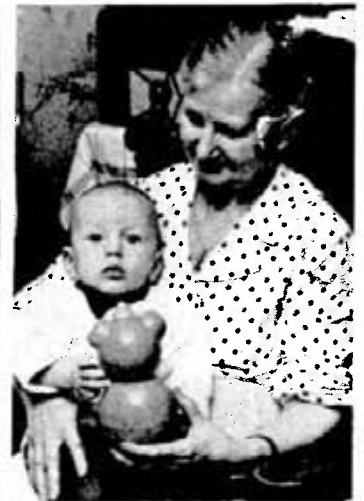
buyers snap up for herd improvement stock, shipping them to the United States or abroad. Last year some went to Italy, for instance.

Egon usually has about 20 or 21 of these pampered bovines munching contentedly on his oats and alfalfa. He and his family get so attached to them that they go to town to buy their beef. "We couldn't think of killing one of these animals. It just wouldn't taste right."

Margaret Schumacher, whom Egon Lange married in 1951, has been a loyal and devoted wife to him. She shares his love of country life. They enjoy social gatherings now and then with friends and neighbors, but on the whole live quietly.

Raising purebred Holsteins was a dream of Egon Lange's boyhood. He now realizes his farm will never do much better than make ends meet on the small scale on which he operates, but he finds it a deeply satisfying hobby, rounding out his life and providing a healthy, wholesome background for his children.

"Money isn't the end product," he says. "If we only lived for



money we wouldn't do half the things that give us pleasure."

Creighton Golf Results

Allan Steele, Allan Martel, Fern Roberts and Walter Tuttle made up the victorious foursome in the battle for the Archie Massey low net trophy at the annual Creighton-Crean Hill golf tourney, played on the Espanola course. Runnersup were Allan Massey, Graham Squirell, Jack Filshie and Bob Freeman.

Low gross honors and the Rock-iron trophy went to Casey Caul, Frank Young, Herb Edinger and John Woznow. Next best in this event were Walter Chornenky, Tom Roy, Snug Myerich and Norm Urwin.

To the surprise of absolutely nobody the Demarco trophy for low gross individual was won by the old pro, Ev Staples; runner-up was Graham Squirell. The Waters Hotel trophy for low net went to Allan Martel, with Allan Massey next. Most honest golfer turned out to be Bert McCormick.

Ralph Brown headed the committee in charge of the well-run and greatly enjoyed tournament.

New Members' Wives Shared Distinction With Their Husbands



Mrs. Ilma Maki, wife of Taisto Maki, leader shaft inspector at Creighton 5 shaft, got help from daughter Deborah Marie in arranging her flowers.

Wives of the new members of the Quarter Century Club shared with their husbands the distinction of completing 25 years of service with the Company.

Each received a dozen roses from general manager J. A. Pigott along with a letter which said, in part,

"In honoring your husband we will also be recognizing the part you have played in building his fine record by your interest and help 'behind the scenes'. We gratefully acknowledge the importance of our wives in our day-to-day operations and in the overall success and progress of the Company.

"The flowers which accompany this letter are an expression of International Nickel's appreciation to you, to which I would like to add my personal thanks and best wishes."

In all, 242 dozen roses were delivered to the homes of the new members' wives prior to the Quarter Century Club banquet.



"What a thoughtful thing to do," said Mrs. Margaret Holub, wife of Ray Holub of the mines engineering staff at Stobie, on receiving the flowers and letter.



MRS. IRENE PIGOTT, wife of general manager J. A. Pigott, Copper Cliff.



MRS. FLORENCE BLACK, wife of John Black, driller at Creighton 3 shaft.



MRS. ANNE LENNIE, wife of John Lennie, shift boss at Froid-Stobie mine.



MRS. FRANCES DUBE, wife of Alf Dube, metallurgical supervisor at Coniston.



MRS. JEANNETTE COTE, wife of Ernest Cote, switch conductor at Levack mine.



MRS. JEAN JARRETT, wife of Harvey Jarrett, mine engineer at Garson mine.



MRS. SIRKKA LAROCQUE, wife of Percy Larocque, machinist at the Copper Refinery.



THE LONG COLUMN of new Quarter Century Club members, moves forward to receive congratulations from top officers of the Company, chairman of the board Henry S. Wingate, executive vice-president James C. Parlee, and Ontario division general manager J. A. Pigott. Seen chatting with Mr. Wingate is Ed Bradley of Copper Cliff, who is followed by Jack Armsden and Bert Hagerty of Frood-Stobie. Next in line are Merv Hall of Frood-Stobie and Paul Bugg of Creighton. Although the presentations were informal and unhurried, many of the 271 new members pausing to exchange pleasantries as they received their gold badges, the ceremony was concluded well within the allotted time. The older members of the club, already seated at the banquet tables, followed it with interest.

Creative Spirit Essential Quality Of International Nickel - Chairman

A rousing welcome to 271 new members, and announcement of a \$79,000,000 expansion program by the Company in the Nickel Belt, were highlights of the exhilarating 17th annual banquet of the Inco Quarter Century Club, Copper Cliff chapter, at the Sudbury Arena September 23.

Inco's chairman of the board, Henry S. Wingate, chose the gathering of 2300 long-service employees and pensioners to receive the important announcement that sent a wave of excitement and optimism throughout the Sudbury district. Details of the huge capital expenditures program, which will bring "immediate and long-range benefits to the Company and to the economic life and employment opportunities of the whole Sudbury area", are given on page 2 of this issue of the Triangle.

A group of 25 leading mining editors of Canada and the United States, along with radio and television representatives, were special guests at the banquet.

The rich soprano voice of Chrissie Nemis led the singing of O Canada to open the program.

The new Quarter Century Club members came forward in a long column to be presented with their gold lapel badges by Mr. Wingate, executive vice-president James C. Parlee, and Ontario division general manager J. A. Pigott. Standing by to join in congratulations to the new 25-year men was assistant vice-president T. M. Gaetz. The managers of the mining, reduction, copper refining and iron ore divisions, J. McCreedy, R. R. Saddington, G. A. Dick and E. G. Stoneman, assisted in the presentation ceremony.

Pleasant Informality

A pleasantly relaxed atmosphere

prevailed as the executive officers of the Company in turn warmly shook hands with each new member and welcomed him to the steadily growing ranks of those who have completed 25 years of Inco service with the Company. Often there was smiling recognition of old friends and workmates, a laugh shared over some personal recollection.

The two new lady members, Miss Nora Bargnesi of the Copper Cliff accounting department and Miss Hattie McCrea of the Copper Refinery were at the head of the line and received gold pins from Mr. Wingate. Last new member welcomed was general manager Jack Pigott.

Four pairs of brothers were among the new members: Art and Gordon Barber, Andy and Simon Kutchaw, Art and Ruben Hortness, and Clayton and Earl Sagadore, all employed in the mining division.

The 271 new members boost the total world membership of the Inco Quarter Century Club to 5,665, of whom 3,751 are in Canada, 991 in the United States, and 923 in Great Britain, France and Italy.

A salute to the Company's pensioners, a traditional feature of the banquet program, was given by G. A. Dick, who praised the contribution made by these men in laying the foundations for Inco's greatness.

Acknowledging the salute George Norman expressed the gratitude of the pensioners for the Company's long-established retirement system, and for being kept in touch with Inco's activities through the Triangle. He congratulated the executive officers on the Company's wonderful progress in both process and market development,

and wished them well in their labors. He closed with a word of advice to "new" pensioners, urging them not to pull up roots and move away from familiar surroundings and old associations except for very special reasons. He also strongly advised them to plan their retirement so that they would keep occupied.

Committee Did Fine Job

Chairman was R. G. Dow, who also headed up the committee in charge of the arrangements. The smooth meshing of the myriad of details involved in staging what is probably Canada's biggest 25-year-club banquet was eloquent testimony to the efficiency of their planning.

The ladies' auxiliaries of St. Andrew's and St. Paul's churches won acclaim not only for their speedy table service but also for the delicious hot roast beef dinner they set at 2300 places. "The best meal yet," enthused many a member.

Pensioner H. J. Cullen of West Ferris pronounced the invocation.

A moment of remembrance was observed in a darkened arena in tribute to club members who have died.

A first-class stage show wound

up the very enjoyable evening. Canadian television star Juliette headed the bill and completely rewon the Quarter Century Club audience with her lovely voice and warm, friendly personality. Veteran comedian Doug Romaine, master of ceremonies, was in there with some clever routines that drew roars of laughter, and the five other acts were outstanding, especially Trixon, the magician with the disappearing doves, and Paul Kohler, the acrobatic xylophonist. All the performers remarked afterward on how enthusiastic the audience was with its applause.

Seated at the head table were G. A. Dick, manager copper refining division; J. McCreedy, manager of mines; R. R. Saddington, manager of reduction works; G. H. Norman, representing the pensioners; B. K. Seli, manager industrial relations; H. S. Wingate, J. C. Parlee, R. G. Dow, J. A. Pigott, T. M. Gaetz; John Page, special assistant to the chairman; H. J. Cullen; A. Godfrey, assistant to the general manager; H. F. Zurbrigg, assistant vice-president and chief geologist; Dr. B. F.

(Continued on Page 14)

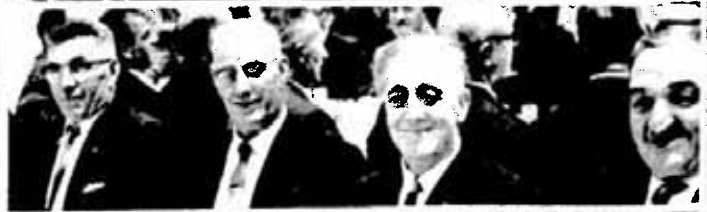
WALDO CLARKE, new 25-year-man from the geological department, Copper Cliff, is welcomed into the club by Mr. Wingate. Back to camera at right is J. C. Bischoff, who assisted in the ceremony.





*Random Shots
With the
Triangle Camera
At the 17th
Annual Banquet,
Inco Quarter
Century Club,
Sudbury Arena,
September 23*







ONE OF THE 271 new Quarter Century Club members, Gerry Marengere of Frood-Stobie, receives his gold badge from Inco chairman H. S. Wingate. Next in line, shaking hands with general manager J. A. Pigott is Milton Tenenckye of the Copper Refinery.

Creative Spirit

(Continued from Page 11)

Hazlewood, chief surgeon; E. G. Stoneman, manager iron ore plant.

"Reason to be Proud"

"To all new members of the Quarter Century Club, let me, for myself and on behalf of all my associates on the board of directors, offer you congratulations", said Mr. Wingate in commencing his address.

"You have reason to be proud of your accomplishment and we share this pride with you. Few factors are more important to the welfare of any organization than the loyalty, stability and competence of its employees.

"When you new members joined the Company 25 years ago, only about 5 of every 100 employees had been with us for fully 25 years. Since 1940, our overall employment has grown by 10,000 men to some 30,000 and those of us who have been with the Company for a quarter century now number 20 out of every 100 employees. That so many have been with us for so long is evidence of the sense of mutual regard, loyalty and dependance which exists among us here.

"And so, as an employee who started working for this Company 30 years ago next week, I feel very much at home with you here tonight. Periodically, in the course

of the year I report to our 60,000 shareholders on the progress of the Company. Likewise, it is always particularly gratifying to discuss the business of our Company with you who are also so much a part of it, and to unfold to you not only what we have done but also some of what we are about to do for the good of our future."

Inco a "Creative" Company

Recalling his prediction of a year ago that International Nickel would be very much alive, and still thriving and still growing, at the end of this century, the chairman said this prediction was strengthened even further by the Company's record during the past year, in which it had marked up new records in earnings and deliveries. "As I emphasized here a year ago", he said, "there is no better insurance of job security — and of a job to be proud of — than a profitable, growing company."

An industrial enterprise, Mr. Wingate continued, must improve and expand in relation to its opportunities. Its growth depends heavily on investment of its earnings in the business and on the strength and scope of its creativity. He defined creativity as "making things happen rather than hoping and waiting for them to happen." From the early days when the potential of "unwanted" nickel was envisioned, right up to the present and planning for the future, International Nickel has displayed this essential quality of creativity.

"As known by everyone here tonight, today in the Sudbury District we are mining at far deeper levels and an average grade of ore very considerably lower than we did some years ago. (We have only to look at the site of the old Copper Cliff mine behind the town hall on Granite Street, or the old McArthur No. 1 on the hill behind the present Copper Cliff high school, to realize that in the early days we were barely scratching the surface.) Yet, in spite of these adversities, nickel output has grown dramatically over the years.

"The production of the supplies of nickel necessary to meet the great demand we have assisted in creating would not have been economically possible were it not for the continuing work we have done in developing new methods and techniques for mining lower grade ores and at deeper levels, and for recovering all the valuable elements from them.

"The recovery of 13 elements in addition to nickel is a testimonial to the ingenuity and perseverance of extractive metallurgy over the years. And it has been because

BILL MITCHELL of Creighton should have been awarded a bar to his gold badge for extraordinary coolness under fire. When the glamorous Juliette came down into the audience and sang pleadingly to him, "Bill Mitchell, won't you please come home?" he just sat there smiling as unconcernedly as if this sort of thing happens to him every day of the week.



of a creative approach to all phases of our producing operations that we have been able to make these operations the safest and most economical in the industry. We lean most heavily on our process research programs to accomplish these results and to help offset constant increases in costs and services outside of our control. We are assisted in this also by the suggestions for improvements made by our employees here in the Sudbury District. We value these suggestions and desire to stimulate more of them."

Imaginative Product Research

Turning to the field of product research, Mr. Wingate said Inco's staffs concerned with this phase of its business have also produced an impressive list of accomplishments. They have developed materials that have helped to speed the rate of modern progress... alloy steels, high nickel alloys, ingenious uses for nickel chemicals, better methods of applying nickel to the surface of other metals.

"Our entire market development program represents an imaginative approach to metals marketing. We were among the pioneers of the concept of broadening metal markets by developing the markets for the metal-containing products manufactured by others. One indication of our capability in this area is the number of patent applications — on the average, more than one every week — we have filed throughout the world during

the past year. These stem from the work of our research organization and constitute new or enlarged uses for nickel. They stimulate the growth of markets for our customers and then we benefit from their greater demands on us.

"The effectiveness of our approach to market development is very apparent in the United States, our largest single traditional market. During the first six months of this year, total nickel consumption there has increased some 27 per cent over the comparable period last year. Despite the intensified efforts of our competitors, our own deliveries of nickel have set the pace for this overall market growth. And let me again emphasize that we are in competition not only with other nickel producers, who themselves benefit from our research and development programs, but also in competition with the producers of many other materials, both metallic and non-metallic, including man-made synthetics. We must always be prepared to take the timely actions appropriate either to strengthen or defend our markets."

Nickel Oxide Sinter 90

Mr. Wingate said that a highly important creative activity in an operation or development will often involve the resourcefulness of several branches of the company. As an example, a new plant will be opened at Copper Cliff soon



THE FIRST general manager to wear the badge of a new member since John L. Agnew became a charter member of the Quarter Century Club when it was inaugurated at Copper Cliff on March 15, 1930, J. A. Pigott is seen here as he addressed the banquet meeting on September 23.



HECTOR BARR of Levack is introduced to Mr. Wingate by executive vice-president Parlee. Moving off to the left after receiving his 25-year badge is Lloyd Ferris of Creighton, and coming up on the right Matti Tuomi of Levack.

Will Join the Inco Quarter Century Club at Port Colborne's Annual Banquet November 4



Elvin Bearss



George Booker



John Byng



Clarence Cassibo



Lester Climenhage



Clinton Conway



Henry Cook



Leslie Cuff



Bert Eden



Shanz Fraracci



Jack Holmes



John Huffman



Gerald Jenkins



William MacSweyn



Louis Martel



Raymond Michener



Lester Minor



Gordon Needham



Stephen Purcifer



Arthur Shaubel



Merrill Sherk



Norman Simons



Alex Zahavich

Another new member of the Quarter Century Club at Port Colborne is James Beale, of whom a photograph was not obtainable.

for the production of a new form of primary nickel — nickel oxide sinter 90. The development of this new product was accomplished with the cooperation of the sales and marketing staffs who recognized the need of our customers for such a material... and of the Inco product research organization which defined its properties and made and tested it in laboratories and pilot plants... and, finally, of its process and production engineers who created the designs and techniques and built the plant for producing it. "We are inform-

ing the trade that this new product will be available in quantity starting November 1. We launched this project 18 months ago and have expended over \$7,000,000 on plant facilities to make it possible."

Cliff Gatchell

Born in 1900 in a house on the property of the Evans Brickyard, Cliff Gatchell was one year old when his father and his uncle bought the 72-acre farm now

known as the Gatchell subdivision of Sudbury.

Retired recently on service pension from Frood Mine after nearly 34 years of service with Inco, Cliff recalled that he was 14 when he left school and went to work for his uncle at the Sudbury Dairy. "Out to the barn at five in the morning, and 15 cows later I could have my breakfast. By the time we had bottled the milk and put it in the ice house it would be three in the afternoon and the milking would start again, all for \$15 a month and board," said Cliff with a sigh.

In 1915 Cliff left the dairy for the 227th Soo-Sudbury Regiment, overseas battalion, and was soon on his way to England and adventure. The adventure ended rather dismally when he and some 1,100 other underage soldiers were weeded from the ranks and confined to England until the armistice in 1918. Discharged in Toronto, Cliff headed north to work for his dad who by this time was running a stopover house at Ess Creek on the CNR line between North Bay and Capreol. He returned to the Sudbury Dairy, then went on to the Soo to work for Abitibi Pulp and Paper, Algoma Steel, and the CPR. He teamed up with a couple of fellow adventurers with the intention of going around the world. The world tour ended in Vancouver where Cliff went to work for the CNR as a gandy-dancer.

He came back to Ess Creek where he stayed for one year until his itchy feet took him to the gold mines of Kirkland Lake where he worked at the Teck-Hughes mine, mucking, timbering and hoisting until 1923. Then he headed south to Detroit and spent five years with the Ford Motor Company on machine repairs.

Back in Sudbury in 1928 he went into business with his brother Russell to form the Gatchell Taxi Company. All went well for two years, then came the depression, and early in 1931 Cliff was hired at Frood Mine by Mr. Whitehead and was soon at work as a mechanic's helper. In 1935 he became a hoist-

man, and hoisted at 6, 3 and the old 5 shafts until 1952 when he decided that he needed a little physical exercise and transferred to the mechanical department. By 1957 he was a first class maintenance mechanic inspecting mine



Mr. and Mrs. Gatchell

pumps, and held that job until retirement.

Cliff married Beatrice Cornthwaite in 1930 and they have a family of three: Thomas in Sudbury, Mrs. Edna Aubut in Nipigon and Cliff Jr. at the University of Toronto. The family camp at French River kept Cliff busy all summer, now those still itchy feet are prompting him to look for active employment for the winter.

The Front Cover

The Crossgrove camp on Manitoulin Island is a delightful spot almost any time of the year, but it takes on a special charm during the hunting season for Alex and his big blonde Labrador retriever, Rocky. They spend some wonderful hours in the natural blinds among the snyes and gores along Lake Manitou, waiting for the big black ducks to come wheeling in. Then, their bag full, it's back to the cabin for a hearty meal and a snooze beside the fireplace.

Alex Crossgrove is personnel director at Copper Cliff. He got Rocky as a pup 12 years ago and trained him well. He built his camp on beautiful Lake Manitou in 1955 with the help of some of his Copper Cliff friends, grows a large flower and vegetable garden along with lots of strawberries and other fruits.

Centennial Exchange Students

Seen examining one of the many refined copper shapes produced at Inco's Copper Refinery are Terry Stickney from Shoal Lake, Manitoba, and Marion Brereton of Brandon, with their guide George Young, assistant to the mechanical superintendent. The two young people were in a group of 21 students from Manitoba secondary schools on tour as part of the Canadian Centennial Commission exchange program. They also visited the Copper Cliff smelter.



Murray McKenzie's Thompson Photo Roundup



THE ACTION HAS OFTEN been hot and heavy in the crowd-pleasing Thompson soccer league again this year, with four well-balanced teams battling for the laurels: Portugese Celtics, captained by Louis Ferreira; Greek Nationals, captained by Gus Symeonidis; Thompson Nickel Netters, led by Rudi Rietze, and Hungarian All-Stars with Bill Dallos as captain. In the above action shot of a game between Celtics and Nickel Netters, the three players in the foreground are Albert Rodrigues, Hercules Simonedas and his brother George; in the background are Josemota Ferreira, Bob Hatch, and Ray Funk. Organized by Jack MacDonald, recreation director of Thompson Community Club, the Thompson league boasts some outstanding players and compares very favorably with the only larger soccer setup in Manitoba, the Winnipeg leagues.



ON THEIR ANNUAL jaunt up the Hudson's Bay line to Sky Pilot Creek, the McNamara family had their usual good luck and came home with a beautiful catch of speckled trout. Both John and Irene fared well but young Jack came up with the real prize, a 5½-pounder good enough for a Manitoba master angler's award.



THE CROWDS WERE BIG and enthusiastic at Thompson ball games this summer, especially the 10-year-old Polar League in which Thompson Reds forced The Pas Teepees to the full five games of the semi-final before bowing out, a great showing for a first-year team. ON THE RIGHT: Here are some of the nursing staff at the highly rated Thompson Hospital; front row, Joyce Coleman, RN, Luba Grywinski, RN, Mary-Ann Swieretra, RN, Maryan King,



LPN, Sandra Diebel, nurse's aid; back row, Ann Norman, ward aide; Marlene Farrell, RN, Joyce Henry, RN, Margaret Lanoie, LPN, Vera Dickson, RN. Staff members not shown are Joan Davoren, RN, matron; Sheila Brennan, RN; Florence Sinclair, RN, Johanne Kvamme, RN, Helen McIvor, RN, Gerry Merrill, RN, Simone McConnery, RN, Irene Young, LPN, Sharon Race, LPN. The closeup below is of Luba Grywinski, who came from Edmonton 13 months ago, married an Inco instrumentation man, says "Thompson is a wonderful place for a nursing career. If nurses knew what a nice place this is, and what a fine hospital we have, many more would come north to Thompson."



THE PLEASANT VOICE at the Inco switchboard at Thompson belongs to Barbara (Germa) Duncan, whose husband Hawley is a shift boss at the mill, and whose daughter Sandra worked in the lab during the summer. Mother of seven, she is a former Copper Cliff girl.



WHEN THE TWO ANNUAL CNR excursions to Churchill stop over briefly in Thompson they are given a tour of the town and Inco plant site by the senior and junior chambers of commerce, and are entertained at tea by the IODE. This year there were over 500 visitors, mostly from the U.S., and they greatly appreciated this northern hospitality. Shown above are Mrs. Peter Isaza and son Peter of Wayne, New Jersey, and Mr. and Mrs. George C. Smith from Hattiesburg, Mississippi, with CNR representative W. R. Milliken and Thompson Jaycee Wayne Hall.



LUBA GRYWINSKI

James McGuire

"When I went to work out at Beaver Station on the tailings line in 1939 I had only four pumps to look after and all we pumped was tailings. Now there are 20 pumps out there and the station also handles concentrates. In those days we had a dandy garden up there with all sorts of flowers and vegetables, but there's not much room for a garden now!" said Jim McGuire.

A heart attack earlier this year has resulted in Jim's retirement on disability pension after 33 years of service with Inco.

Born in 1909 on a farm on Allumette Island, P.Q., on the Ottawa River just north of Pembroke, Jim was 14 when he left home to work for Fraser-Brace Construction



Mr. and Mrs. McGuire

Company in Gatineau on powerhouse construction, and 16 when he went to Smokey Falls to fire steam boilers.

In 1928 he headed for Detroit and found work on the assembly line building Hudson-Essex automobiles. "I was laid off after about a year, so I came to Copper Cliff to work with Fraser-Brace until my recall to Detroit. I was recalled okay but when I got there I found that my Detroit roommate was working in my name! I figured he needed the job more than I did so we parted good friends and I came back to Copper Cliff.

In 1930 Jim was hired by Master Mechanic Jack Garrow and went to work for Inco as a fitter in the then brand-new concentrator,



MECHANICAL DEPARTMENT TEAM WINS PORT COLBORNE SOFTBALL CHAMPIONSHIP

Monarchs of the Inco Recreation Club's softball diamond at Port Colborne are the mechanical department team which wound up the season on top of the four-team plant league. They're a sharp-looking crew: front row, George Sathmary, Basil Hollingsworth, Bob Lambert, John Koval, Leo Robitaille; second row, Silvio Concessi, Gino Favero, Bill Davidge, Bob Thompson, Paul Radzikoski, Romeo Cavin, Bob Ferguson; not shown, Bill Pruder, Fred Butler, John Lyrette.

where he remained until he transferred to Beaver Station.

Jim married a Copper Cliff girl, Molly Alfry, in 1936, and they have raised a family of three: Mrs. Colleen Penton, whose husband Bill works at the Copper Cliff crushing plant; Michael, an apprentice electrician at Copper Cliff; and Maureen, 11, attending Copper Cliff Public School. The McGuires own a comfortable home on Gribble Street in Copper Cliff and are not planning to move away.

Marco De Longhi

After working for a living for 53 years, nearly 33 of which were spent with Inco, Marco DeLonghi is now getting used to the routine of retirement. A heart attack in late 1964 led to his taking a disability pension in June of this year.

Born in 1902 in Volpago, in northern Italy, Marco was 10 when he left school and started to work for his father full time. In 1919 he left the farm to work on road construction, then served two years in the army on an artillery range

finder.

Demobilized in 1922, he came to Canada, worked on the coal dock at Britt, made telephones in a rubber factory at Welland, then in 1924 came north to Coniston to be a driller helper in Mond Nickel's quartz quarry. He then worked at the Coniston and Copper Cliff smelters until the spring of 1930 when he returned to Italy to get married.

"During 1924 I decided that I was old enough to get married so I started to write to Candida Semenzin, a girl in my home town. I wrote for three years before I proposed marriage and was accepted but by this time the Italian government had banned emigration of single girls so I had to keep on writing until I had enough money to go home and get her."

The bride and groom arrived in Sudbury in 1931 and Marco started to work for Inco in the copper reverber building at Copper Cliff as a furnace filler. "In those days

we didn't have fettling conveyors, we had to feed the furnaces by hand with small side-dump cars." Transferred to the converter building, Marco was a tuyere puncher until 1945 when he made his last move to No. 1 dry as dry man.

The De Longhis have a family of two, Mrs. Dina Ciardullo, Sudbury, and Gionino, who works with the miscellaneous fitters at the Copper Cliff smelter. They have eight grandchildren.



Mr. and Mrs. De Longhi

Gardeners Add Beauty At the Port

Port Colborne pensioner Bill Ross is well-known for his gardening skill. His roses are his pride and joy, and also the envy of his friends and neighbors not gifted with his special touch. Here he is, almost submerged in a sea of fragrant blooms. Another top Port Colborne gardener is pensioner Ralph Crouse, formerly of Copper Cliff, who



won the prize for the best dahlia in the local horticultural society's very successful fall flower show. He and Mrs. Crouse won many prizes in the show, as did pensioner Ivan Royal. The honor of attaining the highest number of points in the flower show

went to Michael Head, superintendent of No. 1 research station at the Port Colborne plant, who has devoted a great deal of time and enthusiasm to building up interest in the horticultural society's activities.

J. O. HITCHCOCK, managing director of Inco-Mond, London, is shown (right) in the roaster control room at the Iron Ore Plant examining a jar of the high-grade iron ore pellets for which the plant is justly renowned in the steel industry. With him is E. G. Stoneman, the plant manager. A veteran of some 38 years with the Inco-Mond organization, Mr. Hitchcock became managing director in 1960, and at the same time was elected deputy-chairman of Henry Wiggin & Company. He was elected an assistant vice-president of The International Nickel

Company of Canada, Limited, in April, 1961. On his recent visit to the Copper Cliff operations he was accompanied by his wife, who was shown through the smelter and copper refinery in company with Mrs. G. O. Machum and Mrs. G. W. Thrall.





Shift boss Herb Eastwood, fettler boss Jim Gauthier, general foreman Charlie Stemp, Eddie Lacoste and Albert Labelle were the delegation who visited Jack Lisi at his home to bring him a retirement gift from his pals on the nickel reverbs.

Giacomo Lisi

The purse of money being presented in the above picture to a beaming Jack Lisi came from his many friends and workmates in the reverb department, and along with it went their best wishes for a long and happy retirement. Mrs. Lisi received red roses and white carnations.

The 20th century was one year old when Jack was born on a farm in Monte San Giovanni, a rural community some 80 miles south of Rome in Italy. The eldest of seven children, he left home when he was 15 to help support the family and for three years turned his hand to whatever job

came along. In 1919 he was caught in the draft and was conscripted into the light artillery. "We had 200 horses in our unit, and they had to be fed and cleaned before we could eat. They were big horses too, and me I'm only five feet tall so you can bet I had my problems."

Discharged in 1922 Jack laid aside his curry comb, returned to his home town, married Angela Compoli and one year later sailed for Canada. His first job on this side was with Fraser Brace Construction Company of Montreal. He worked for them in Temiskaming and Gatineau Falls, and at Copper Cliff on the construction of the copper reverb building in 1936. That same year he joined Inco and for the next eight years worked at the sand bins. Then came five years out on the slag dump dumping pots, after which he made his final move to the nickel reverb building as a fettler tender.

The Lisis have one son who is a brakeman with the transportation department in Copper Cliff and the proud father of Jack's three grandchildren. Tending his garden and house in Sudbury will keep Jack as busy as he wants to be. He and his wife plan to take a trip back to Italy in 1967.

Too much of the world is run on the theory that you don't need road manners if you drive a five-ton truck.

Rene Menard

Born in Blezard Valley in 1908 on his grandfather's farm, Rene Menard was advised to retire on disability pension when it was found that he was suffering from sugar diabetes. Rene has nearly 22 years of service with Inco to his credit.

"I left school when I was 14 and went to work with my father for the Poupore Lumber Company in Gogama where I worked in the lath mill and in the lumber camp for four years. After that I moved on to Kapuskasing to work for the Spruce Falls Pulp and Paper Company as a switchman on a ballast train. We were building 50 miles of track north to Smokey Falls."

Rene went back to Gogama for a year and then to Sudbury and Inco in 1939 where he worked as a nipper at Frood Mine. "They were sinking number one fresh air raise at that time and Norman



Mr. and Mrs. Menard

Anderson showed me how to run the hoist, and when the company needed another hoistman I was ready for the job and got it."

Rene married Yvonne Thibault in 1932 and one year later left Inco and moved back to Gogama and the Poupore Lumber Company as a truck driver. Back to Inco to Creighton mine in 1941, he became a shaft pipefitter. He moved over to the Frood where he worked as a pipefitter until 1945, when kidney trouble laid him low for some four months. Returning to work he was transferred to the Copper Refinery yard gang until his retirement.

The Menards have two sons, Maurice who is a crane man in the Orford building at the Copper Cliff smelter and Earl, a driller at Levack mine.

As soon as he is fit enough, Rene would like to move south and settle near Hamilton.



TOUR GROUP FROM ST. LOUIS UNIVERSITY

Paying close attention to machinist Hans Fritzmer in the Copper Cliff smelter machine shop is a part of a group from St. Louis University who included the Copper Cliff smelter in their field geography tour of Canada and the New England states. Shown are David Corcoran, machinist Hans Fritzmer, Joe Betancourt from Chili, Joseph Ammann, lecturer in geography at St. Louis U., Sister M. Terence, Sister M. Agatha and Sister M. Luellen. Smelter guides at right rear are Rod Theriault and Foster Zanuto.

Ernest Severin

After nearly 29 years of service with Inco Ernest Severin has retired on disability pension due to a back condition.

Born in Pembroke in 1905 Ernest was 14 when he quit school to work for his father on the family farm. "I didn't make much money but I enjoyed the work. I cut lumber and hauled it into Pembroke at \$3.00 a double cord."

His father died in 1935, so Ernest left the farm, came to Sudbury and joined the Inco transportation department yard gang where he worked until he was transferred to the new copper reverb building. Another transfer and he was back with the transportation department dumping slag pots.

"I remember one night in particular up there on the slag dump. It was below zero and there was lots of freshly fallen snow. I dumped two pots OK but the third one blew up when I dumped it and blew all the windows out of the slag train engine. It was shortly after that that I got a



Mr. and Mrs. Severin

transfer to the miscellaneous fitters." Ernie was a fitter in the separation building at the time of his retirement.

Ernest was married to Edith Lampton of Pembroke in 1932 and they have a family of six: Mrs. Verla Crawford, living in Dowling; Shirley, Sheldon and Douglas living in Sudbury; Linda, and Judith Anne, at home.

Yesterday is a cancelled check; Tomorrow is a promissory note; Today is the only cash you have; spend it wisely.

TOM STRONG IN LONDON TOWN

Tom Strong was born in London but came to Canada at the age of 5. When he retired last January as mechanical general foreman of the Copper Cliff mill and crushing plant, he was planning a trip to see England and the place of his birth. Well, here's a picture of him standing on Westminster Bridge with Big Ben and the Houses of Parliament in the background. With him and his wife is his second cousin, Maureen Strong, a member of the London offices staff of International Nickel Limited. They had a very happy time doing old London together.





Wearing the cap that was his trademark, Billie Alder is shown above at his big retirement party at the Italian Club with five old colleagues in the purchasing and stores department, Ginny Bertulli, Louis McClellan, assistant general purchasing agent Jack Colquhoun, general purchasing agent Mac Forsythe, and Jake Gallagher. An inveterate horse racing fan, Billie was presented with a bag of "real hay" to feed the bangtails, and also a handsome desk set.

Billie Alder

An odds-on favourite, Billie Alder galloped over the finishing line recently to retire on service pension after nearly 42 years with Inco, the last 26 of which were spent as stores foreman at the Copper Cliff warehouse.

Born in Finland in 1900, Billie was one year old when he was uprooted and brought to Canada and Copper Cliff by his parents. "I attended high school in Sudbury, and in those days there were no school buses. In the winter we used to travel in the 10-seater horse-drawn sleigh from Germa's Livery, huddled around a little box stove. When I hadn't done my homework I would miss the class by walking to Sudbury and explain to the teacher that I didn't have car fare," said Billie with a grin.

In 1916, Billie was hired by Bert Flynn as an office boy at Copper Cliff. Three months later he moved to the warehouse as a scale clerk to improve his income, and from there he went to High Falls as timekeeper and warehouse man until 1918, when he enlisted with the Canadian Engineers as a sapper and set sail for England.

Back to Canada in 1919, Billie was full of wanderlust. "I heard the train whistles and they set me to wandering until 1924 when I went to work at the Creighton warehouse taking stock." When the stocktaking was done, he was invited over to Copper Cliff as a clerk in the warehouse. In 1939 he became stores foreman.

A confirmed bachelor, Billie has some strong ideas on the subject. "I'm lucky to be single, but you never know. Better men than I have fallen and I've got another 30 years yet to fool around."

Billie figures on staying in Copper Cliff, with a few trips now and then to the big cities to enjoy the

horse racing. "I've bought lots of oats and hay for the nags," he said with a twinkle in his eye. "I don't see why I should stop now. Who knows, the old 21 may still be working for me!"

Thomas W. Merrick

When he arrived in Sudbury from Toronto in 1937 and applied for a job at Inco, Tom Merrick was hired as a miner, but with no opening available he was assigned to the Copper Cliff plant and there he remained until his retirement recently on pension.

He was born on a farm in Nebraska of Canadian parents. When his father died his mother moved to Toronto and he received his schooling there.

His first 11 years at Copper Cliff he worked in the crushing plant, then became a locomotive engineer.

He married Dora Graham of Alliston. They have one daughter,



Mr. and Mrs. Merrick

Joyce, the wife of Frood general foreman Ted Flanagan, and four grandchildren, two girls and two boys.

The Merricks have real green thumbs. The garden behind their home on Albion Street, Sudbury, beautifully flowered with roses and delphinium, yields strawberries, raspberries, black and red currants, as well as full winter's supply of vegetables.

Viljo Sepala

Recently retired on service pension after 31 years with Inco, Viljo Sepala is now spending most of his spare time at his summer camp at Long Lake.

Born in 1900 on a farm at Danprae, Finland, Viljo came to Canada in 1924. Landing at Halifax he found no work in the east so set his sights on the west coast and after six days of travelling by rail arrived in Vancouver. Unable to find work there he heard that men were needed at the gold and silver mines some 750 miles north at Stewart so he took passage by boat and landed a job at the Silver Arrow Mine, where he was soon at work driving hand steel drifts.

"We drove five-hole drifts, the holes had to be four feet long and some of that rock was harder than the steel. We had more snow up there than I have ever seen, we would cut our lumber for the stoves and in the spring we would go around again and cut down the 12-foot stumps of the trees that we had cut during the winter".

After four years of driving hand steel, and with a fat bankroll, Viljo returned to Finland for a nine-month holiday. Back to Can-

ada in 1929 he joined the Fraser Brace Construction Company and spent two months at Copper Cliff helping build the copper refinery. He joined Inco the same year and worked as a driller at Frood Mine until 1933, when he returned to



Mr. and Mrs. Sepala

Finland for another holiday and to marry Tyyne Kankaanpaa. He brought his bride to Canada in 1934 and was rehired at Frood Mine as a driller. Viljo was a pillar leader when he retired from Frood Mine. Viljo and Mrs. Sepala have one daughter, Mrs. Viola Kallio, married to Harvey Kallio who works at Creighton Mine.

Humility is the most difficult of all virtues to achieve; nothing dies harder than the desire to think well of oneself.

Students Hear About Nickel Career Opportunities



Career opportunities in the nickel industry were described for 150 students at a "School Night" held at the Sudbury Inco Club by the Canadian Institute of Mining & Metallurgy branch. The young men, who had been summer employees, heard brief addresses on various technical fields by a panel composed of R. Slade, mines superintendent, and R. Lyford, plants superintendent, Falconbridge, and G. A. Dick, manager copper refining division, and A. Illis, senior research scientist, International Nickel.



D. A. Fraser, Inco assistant to the general manager, gave the keynote address and introduced the excellent International Nickel film, "Milling and Smelting of Sudbury Nickel Ores". Members of the nickel industry supervision attended and had informal discussions with the students on career opportunities. At right centre in the above picture are seen T. D. Parris, assistant to the superintendent of mines, and G. R. Green, superintendent of mines, Copper Cliff.

Ross Mirrlees

Ross Mirrlees was a painter at the Nickel Refinery in Port Colborne until ill health forced him to retire on a disability pension at the age of 46. He had worked at the refinery since 1943, starting in the electrolytic department and then transferring to the mechanical department. He was a conscientious and safe worker.

Born and raised in Collingwood, Ontario, he came to Port Colborne in 1939 and worked for Upper Lakes and St. Lawrence Shipping



Mr. and Mrs. Mirrlees

Company and Nordale Construction before coming to Inco.

Margaret Liddon became his wife in 1940, and this is their family: Robert, an Incoite in the tabulating department; Wayne, with Port Colborne Hydro Commission; Frank, at home; Barbara (Mrs. Doug. Duggan); Lou and Joane at home. They have one grandchild.

A group of Ross' workmates called at his home and presented him with a purse of money as a token of their esteem. Mrs. Mirrlees received a bouquet of flowers. Their many friends wish them a long and happy retirement, with the hope that Ross' health will soon improve.

John Kosztyo

Born in Hungary, John Kosztyo arrived in Canada in 1925 and one year later found his way to Port Colborne. Employed at the Inco Nickel Refinery since July, 1926, he is now retired on pension.

Of the 39 years that John worked in the anode department, he was a furnaceman for more than 30. He pulled many a buggy before the casting wheel did away with that hard work.

In 1947 John married Margaret



Mr. and Mrs. Kosztyo

Gnis. The Kosztyos have two daughters, Margaret and Elizabeth, and one son John.

John was presented with a purse of money by Superintendent N. C. Hillier on behalf of his fellow employees in the anode department, where he was a popular worker. Research superintendent L. E. Cupp thanked John on behalf of the management and hoped that he and Mrs. Kosztyo would enjoy many years of retirement.

Accident Prevention Theme of Luncheon Meetings for Supervisors



Luncheon meetings of members of plant supervision at which various topics are discussed by executive officers of the Company, with safety as the dominant theme, were inaugurated last year with great success at Copper Cliff. A new series has been launched this fall in which all members of front-line supervision at all Inco plants in the Sudbury area, totalling over 600, will take part. At the first session of the current series, held at the Copper Cliff Club, the speakers were D. A. Fraser, assistant to the general manager, and B. K. Seli, manager industrial relations. Part of the head table appears above, showing, left to right, J. McCreedy, manager of mines; A. Godfrey, assistant to the general manager; D. A. Fraser; J. A. Pigott, general manager; T. M. Gaetz, assistant vice-president; B. K. Seli; M. E. Young, superintendent of safety.



In this group are, left to right, George Ruller, Levack; Bud Ruf, Copper Refinery; Rudy Roman, Crean Hill; Bud Rodd, Levack; Les Ramsay, Copper Cliff metallurgical. In the background can be seen E. G. Stoneman, manager Iron Ore Plant; J. R. Feick, superintendent of converters; A. E. Prince, electrical superintendent.



From the left in this picture are Norm Uttley, Copper Cliff crushing plant; Ted Tuori, Levack; Gord Treasure, Creighton; John Tessier, Levack; Bill Tennyson, Clarabelle; Joe Steele, assistant electrical superintendent; Peter Semler, Copper Cliff mechanical; Ernie Sabourin, Frood-Stobie.

Over 100 attended the first luncheon of the series. Shown here are Pete Duffy, Copper Cliff roasters; Frank Cvar, Frood-Stobie; Bill Cushing, Frood-Stobie; Merl Currie, Garson; Rocky Cuomo, Copper Cliff transportation.



Community Spirit Was Warm as Big Bonfire At Thompson's Party



The community spirit that makes Thompson a great place to live was in full flower at the gigantic bonfire and weiner roast, the biggest and best yet. The town becomes one big family at this annual get-together, oldsters and youngsters alike enjoying the roaring fire, the succulent morsels of meat, (which really taste a little better charred), the candy floss and popcorn and pop, and

best of all the rousing singsong. Take Vernon and Grace Friesen's one-year-old daughter Sandra (above left) for instance; no doubt about her having a good time. Or take the big crowd on the right, belting out the old songs with genuine gusto.



Thompson Community Club's snappy Drum and Bugle Band, with the assistance of the Majorettes, led the way to the High School grounds for the monster party. And among those who gladly entered into the spirit of the occasion were: 1, these three pretty lasses, Corry Perdock, Phyllis Pielt, and Renate Kudelka; Jackie Sewell, formerly research department stenographer at Port

Colborne, and her young sons Brad and Timmy; Rene Picard, Tannis, Timmy and Joan (Mrs. J. B.) Johnston, and Jennifer Goddard. No question about the success of the evening as far as they're concerned, and it was the same story wherever photographer Murray McKenzie aimed his camera.

George Kuchmas

With 21 Inco years behind him, George Kuchmas retired recently from his job as stripper crane operator at the Copper Refinery on a disability pension. A long-time sufferer from arthritis, he is now looking forward to leisure time reading and vacationing in some sunny southern spot.



Mr. and Mrs. Kuchmas

Born in the village of Ubla in Czechoslovakia in 1905, George worked on his father's farm until 1925 when he was conscripted into the army and became a machine gunner. Demobilized in 1927, George married Annie Slivka and returned to the family farm with his bride. In 1928 he decided that the farm was not big enough for himself and his three brothers, so struck out for Canada. He worked on the wheat harvest in Saskatchewan and at other seasonal jobs until 1936 when he started at Inco in the tank house of the Copper Refinery at Copper Cliff. Except for a break in 1942 that is where he has since been employed.

In 1948 he sent for his wife Annie and they were reunited after a separation of 20 years. They have two sons, John, a driller at Garson Mine, and Mike who lives in Toronto, and four grandchildren.



Along with 5,600 weiners, 5,000 buns, and 130 gallons of pop, down went more than 1,200 puffs of floss whipped out by the Rotarians' candy fluff machine. Peter Anderson, Ross Hawkins, Jim Cane (who also led the singsong) and Dr. J. Blaine Johnston are shown as they slaved to keep up with the demand on this popular attraction. The Kinsmen Club tossed \$100 into the kitty to help defray expenses, the Camera Centre donated a couple of cameras for a raffle, the local gas companies donated the lighting arrangements, and the music was cheerfully supplied by a band composed of Carl Aspland, Bill Stewart, Bill Cain and Fiddling Red. All honor to those who joined efforts to put on this wonderful big community celebration!



Robert Eros
Port Colborne High

Dorothy Shulmistra
Lockerby Composite

Philip Chaddock
Thompson High

Anna Alekov
Sudbury High



Louisella Cavallin
Sudbury High

Donald Luoma
Sudbury High

Linda Burgess
Port Colborne High

Ulo Malmiste
Lockerby Composite

For 10th Time \$5,000 Scholarships Awarded To Eight Young Incoites

Scholarships valued at approximately \$5,000 each, based on a four-year university course, have again been awarded to eight sons and daughters of employees by The International Nickel Company of Canada, Limited. The announcement was made by James C. Parlee, executive vice-president.

In addition to tuition and fees each scholarship annually provides \$300 to the recipient and a grant of \$500 as a cost-of-education supplement to the university. The awards are made on a one-year basis and are renewable for three additional years or until graduation, whichever is the shorter period, providing the winners satisfy the academic and conduct requirements of the universities where the scholarships are held.

The 1965 awards bring to a total of 86 the number of scholarships given to children of Inco employees since the plan was inaugurated in 1956.

The new recipients of scholarships are as follows:

Anna Alekov, a graduate of Sudbury High School, will commence studies at Queen's University, Kingston, in an honors course in chemistry. Her father, George Alekov, is a pipefitter at Creighton mine and resides at 162 Spruce Street, Sudbury.

Linda Burgess is the daughter of William Burgess, machinist at the Port Colborne nickel refinery, residing at 55 Rosemount Avenue, Port Colborne. A graduate of Port Colborne High School, she enrolled in the school of nursing at McMaster University, Hamilton.

Louisella Cavallin has enrolled in the faculty of arts and science at the University of Toronto to study modern languages and literature. A graduate of Sudbury High School, she is the daughter of Giovanni Cavallin, a saw operator at the Copper Refinery, Copper Cliff, and resides at 246 Albinson Street, Sudbury.

Philip William Chaddock, a graduate of Thompson High School, Thompson, Manitoba, has registered in the faculty of science at

the University of Manitoba to study chemistry or physics. His father, W. E. Chaddock, is a mechanical foreman at the Thompson mine and concentrator and resides at 86 Juniper Drive, Thompson.

Robert Eros, whose father, Paul Eros, is employed at Port Colborne as a laboratory technician and resides at 50 Schofield Avenue, Port Colborne, is a graduate of Port Colborne High School. He has enrolled in the faculty of arts and science at Queen's University, Kingston.

Donald Allan Luoma, a graduate of Sudbury High School, will commence studies at Queen's University, Kingston, where he will take an honors course in mathematics in the faculty of arts and science. He is the son of August Luoma, a miner at the Clarabelle Open Pit, Copper Cliff, and resides at 552 Anderson Avenue, Sudbury.

Ulo Malmiste, a graduate of Lockerby Composite School, Sudbury, has enrolled in the faculty of arts and science at the University of Toronto, where he will take a course in social and philosophical studies. His father, Edgar Malmiste, is employed in the Copper Cliff smelter and resides at 22 Copper Street, Sudbury.

Dorothy Frances Shulmistra, is the daughter of George Shulmistra, a miner at the Frood mine, and resides at 749 Prete Street, Sudbury. She is a graduate of Lockerby Composite School and has registered at the University of Toronto in the faculty of arts and science to study modern languages and literature.

Agostino Lavorato

In this day and age the term lamp lighter arouses a twinge of nostalgia among those who are able to recall the rustic scenes of yesteryear when streetlights were gas and had to be lit by hand.

Agostino Lavorato recently retired on service pension from the transportation department at Copper Cliff after nearly 22 years of

service with Inco, the last seven of which he spent as lamp man tending some 61 kerosene lamps that burn day and night to indicate the switch settings along the many miles of railroad track in the upper yard.



Mr. and Mrs. Lavorato

Born in Peanecrati in southern Italy in 1900, Agostino worked on his father's farm until 1918 when he was conscripted into the army and given a 70-pound machine gun to carry. Demobilized in 1922 he packed his bag and sailed for Canada and Port Arthur where he had friends and a job waiting for him. The job was on the CNR section gang at 30¢ an hour. In 1930 Agostino went back to Italy to marry Giovanna Broccoli.

Returning to Canada with his bride in 1931, he came to Sudbury and worked on the CPR until 1942 when he joined Inco as a chute attendant in the nickel reverb building. The same year he transferred to the transportation department as a track man.

It was in 1958 that he became a lampman. "Lighting the lamps in a howling blizzard was hard on matches and the hands," said Agostino with a shiver, "but I was never sick. I didn't miss a day's work in my time with the Nickel Company."

The Lavoratos have a family of four: Pasquali, following in his father's footsteps, is a trackman at the Copper Refinery, Ida is a teacher at Copper Cliff Public School, Sylvio, 16, is at Lockerby High School, and Nellie, 15, attends Sheridan Technical School.

Gardens a Credit

(Continued from Page 7)

Levack

P. T. Crome, 20 Nickel, \$20.00; E. Hilton, 14B Sixth, \$15.00; H. Klitzgard, 23 Church, \$10.00; W. C. Bragg, 52 Birch Ave., \$9.00; J. H. Kennedy, 37 Cedar, \$8.00; H. A. Knight, 93 Birch Ave., \$7.00; J. Bastasich, 715 Warsaw, \$6.00.

Awards of \$5.00 each: J. Kleniewski, 49 Pine; R. Kaljuma, 52 Pine; M. Callaghan, 90 Mountain; J. Drohan, 33 Fourth Ave.; A. Kaczmarek, 4 Fourth Ave.; A. Manninen, 36 Nickel; L. L. Hubley, 88 Mountain; N. Karpiak, 38 Nickel; J. Baily, 40 Nickel; A. Crawford, 42 Nickel; R. B. Moir, 24 Fourth Ave.; R. Holm-Anderson, 86 Mountain; D. White, 45 Cedar; J. G. French, 75 First Ave.; J. Shillington, 19 Third Ave.; H. M. Otto, 58 Third Ave. N.; J. A. Bryant, 37 School; O. Purvis, 65 First Ave.; J. D. Wright, 52 Third Ave. N.; Mary Emieff, 710 Warsaw St.; G. Pashko, 17 Second Ave. S.; N. Ribic, 8 First Ave. S.; A. D. Cucksey, 8 Third Ave.

Lively

H. F. Squirrel, 241 Twelfth, \$20.00; W. J. Koch, 244 Eleventh, \$15.00; Carl Sartor, 569 Queen Elizabeth, \$10.00; R. A. Elliott, 238 Tenth, \$9.00; J. E. Treasure, 238 Tenth, \$8.00; E. McMullen, 562 Main St., \$7.00; A. Lampi, 256 Eleventh, \$6.00.

Awards of \$5.00 each: G. MacDonnell, 317 Eleventh; R. Pascoe, 334 Tenth; S. P. Caul, 258 Twelfth; C. Bingham, 279 Birch; Harry Toombs, 338 Tenth; F. Kuchinski, 238 Ninth; J. Dyke, 205 First Ave.; E. Plante, 237 Seventh; J. Hutton, 247 Ninth; P. Roshinka, 250 Tenth; C. McLean, 288 Eleventh; C. Wilson, 278 Eleventh; W. E. Frizell, 287 Birch; N. Uttley, 566 Charles; G. Allan, 611 Queen Elizabeth; Mrs. F. Cain, 209 First; R. Brown, 209 Second Ave.; W. E. Jewitt, 295 Sixth Ave.

G. Belei, 283 Seventh; A. K. Young, 297 Birch; J. F. Cooper, 165 Third; J. E. Mullock, 566 Main; O. W. Andrews, 301 Sixth; C. B. Platt, 297 Sixth; P. Chesterman, 266 Seventh; P. Jack, 240 Seventh; J. R. Oliver, 245 Ninth; V. Blair, 254 Ninth; D. A. Paul, 258 Eleventh; R. W. Reeves, 251 Twelfth; J. Clement, 253 Twelfth; R. Koronovich, 278 Birch; C. Wilton, 280 Birch; C. E. Lea, 189 Ninth; C. Gray, 184 Margaret; J. Twardy, 183 Margaret; D. Wing, 184 Sixth; D. R. Morrison, 167 Third; T. L. Prior, 169 Third; C. C. Pickering, 613 Queen Elizabeth; E. Austin, 626 Main; E. J. Hannah, 624 Main; G. W. Fleming, 612 Main; H. C. Mellow, 610 Main; M. T. Dunn, 606 Main; * United Church, 234 Sixth; V. Koivu, 33 D Street.

* Trustees of Trinity United Church.

80 Played in CCAA's Annual Golf Tournament



Northern Ontario champion Sandy McAndrew won Copper Cliff Athletic Association's popular annual golf tournament at the Sudbury Fairway with a 73. He's shown above, front centre, with the Doran trophy. On the left is Joe Sharp, who was runner-up for gross honors with his 77 and also received the CCAA trophy for low net; on the right is Stewart Wright, who had second low net. Other happy winners in the 80-man tourney were, left to right, Vern Young, Lorne Garber, Ray Caverson, Spike Wormington, Jack Hall, Jack Newell, Roy Maud. Prizewinners not shown were F. Mutucky, Jim Wharton, Steve Ranich, and Doug Thomas.



Festooned with a ribbon bearing the names of 250 of his workmates, Ed Cretzman grins happily as he receives congratulations and a purse of money from assistant superintendent Archie Massey on his retirement from Creighton mine. Holding the ribbon is divisional foreman Fred Peacock, and at the right is general foreman Bob Macdonald. Ed Cretzman jr. stands directly behind his father.

Edward Cretzman

Operating shaft boss at Creighton since 1945, and an Inco man for almost 40 years, popular Ed Cretzman has rung down his last cage at Creighton 3 shaft and retired on a well-earned pension.



Mrs. Cretzman

Born in Copper Cliff in 1900, Ed was six years old when his family moved to Creighton and settled in one of the log houses on George St. By the time he was 14 he had completed the available grades at the one-room Creighton public school and found that his family could not afford to send him on to high school in Sudbury. He soon got a job as delivery boy at Jim Kelly's general store and in time became a clerk behind the counter where he worked until 1926 when he joined Inco as a timberman at Creighton 3 shaft. Two years later he became a pumpman and kept the pumps running until the outbreak of World War II when he was transferred to the mine salvage department and spent the next six years hunting out and fixing discarded equipment.

In 1927 Ed married Minnie Guse, a native of Larchwood who was working in Creighton at the boarding house of Ted Marsh. "We are living in the same house now that we came to as bride and groom 38 years ago," said Ed, "but by next Christmas we hope to be settled in our new home that I'm building on Birch Street in Lively. We will be close neighbors of Bob Pascoe who is helping me build the place."

The Cretzmans have a family of two. Ed junior, father of four, who lives in Lively and is a storeman at Crean Hill mine, and Arlene who works as a dental assistant in Lively.

Ed's pride and joy will be the workshop that he is building in the basement of his new home. "I don't have any real hobbies," said he. "I'm a bit of a jack-of-all-trades so I'll keep myself

pretty busy — I have not hunted or fished for years, maybe I'll start again." Whatever it may be, house building, hunting or fishing it's a sure bet that all Ed's workmates wish him a long and happy retirement.

Eugene Pauze

A long-time sufferer from bronchitis, Eugene Pauze has decided to retire on disability pension after nearly 25 years with Inco.

Born in 1919 on his father's farm at Hanmer, Eugene was one of a family of 21 children, of whom six were adopted by his parents. Leaving school at the tender age of 11 he went to work full time with his father and was soon able to put in a full day behind the plough.

In 1939 he left the farm and joined Inco to work in the smelter as a helper



Eugene Pauze

Helen Wilson Honored on Retirement at the Port



A largely attended retirement party at the Rathfon Inn, Port Colborne, was a typical expression of the high esteem and affection in which Helen Wilson is held by her friends and fellow workers. Following several brief addresses by W. Koth, S. C. Augustine, W. J. Freeman and E. C. Lambert, extolling her capabilities, Charles Ott and Donald Prettie presented Mrs. Wilson with a cake tray and silver serving dishes. Formerly Helen Rae, she first entered the employ of the Port Colborne Nickel Refinery in 1920 and served as a switchboard operator until 1922 when she left to marry Raymond Wilson, also an Inco employee. After the death of her husband Mrs. Wilson returned to Inco where for the past 15 years her pleasant voice and capable manner have provided efficient switchboard service at the nickel refining division.

on the stripping floor of the Orford building. On completion of the sinter plant he was transferred there and worked as a helper until he was transferred to the FBR building as a helper on a delivery truck.

"I have to take it pretty easy now," said Eugene, "I can't go like I used to. Five years ago I took a taxi to Three Rivers in Quebec to see my oldest brother. That was some trip. I was back here five days and fifteen hundred dollars later; it was the best holiday I have ever had! But no more of that for me, I'm afraid."

James Robinson

A Nickel Refinery man since 1935, James Robinson has retired on disability pension. "I'd much rather be at work though," he said.

For the past 23 years, he worked as a bricklayer, and was a good one too. He helped to rebuild many furnaces in the anode de-

partment and did maintenance work throughout the plant and at Company houses.

Coming from his native Scotland in 1926, James worked for Welling-



Mr. and Mrs. Robinson

ton Nurseries at Fonthill and the Government Elevator before landing a job with Inco.

James married Lillian Cockhead in 1938. They have two sons, Richard in Sarnia and Donald, who resides at home and works for Inco.



Wins Road Race for Third Straight Year

Don McLean was crowned undisputed champion of Creighton-Lively runners when he won the Elks' annual Labor Day road race for the third successive year. The four winners in the 1 1/2-mile canter are shown above: Reno Halikainen, who finished third, is a sand plant operator at Creighton mill; Johnny Sarkan, second, is a motorman at 6 shaft; Don McLean, the

champ, is a shaft inspector at 8 shaft; 64-year-old Bill Oja, who ran an amazing race for his age, is a tool fitter.

The four beautiful but breathless young ladies also shown above had just completed nine tenths of a mile at a fast gallop to claim the honors from a starting lineup of 10 in the special race for the fair sex. From the left are Mrs. Joan Alary, the winner, Mrs. Anita Dowdell, fourth, Mrs. Armaline Penton, second, and Mrs. Ruth Lavoie.



Laurier Frappier (right) received a certificate of meritorious award for saving a life, and his companion, who assisted him, Alphee Melanson, a certificate of achievement. Standing between them here is Brigadier Snow, provincial commissioner of the Order of St. John, who made the presentations.



With His Inco First Aid Training Laurier Frappier Saved Man's Life

If the fog hadn't parted, if two men hadn't been driving by, and if one of those two men hadn't had a working knowledge of first aid, a human life would have been lost.

But the fog did part, the two men were driving by, and most important of all, one of those two men did have a working knowledge of first aid. His name is Laurier Frappier, 27, who has been an Inco employee for the past nine years working as a tuyere puncher on the Orford building converters. His companion was Alphee Melanson, who was an Inco employee at Frood Mine from 1941 to 1945, and who is now a Sudbury businessman.

The action of these two men was recognized by the St. John Ambulance Brigade when Brigadier Snow, provincial commissioner of the Order of St. John, presented Laurier with a certificate of meritorious award for having saved a life, and Alphee with a certificate of achievement for having assisted a qualified first aid man in the saving of a life.

The incident occurred near Walford, 70 miles west of Sudbury, on the night of May 3, when Hugh McLean of Sault Ste. Marie overturned his delivery truck in a creek beside Highway 17. Passing by in the fog, Laurier and Alphee

spotted the McLean vehicle and hurried to investigate. Opening the cab door, they saw a pair of feet protruding from the water and quickly went to work to pull McLean free. "After quite a struggle we got him onto dry land," said Laurier. "There were no signs of life so I applied the Holger-Nielsen method of artificial respiration. After 10 minutes there was some response and I continued working on him until the ambulance arrived an hour or so later. I continued the artificial respiration in the ambulance until he was breathing by himself."

Laurier has attended Inco first aid classes for the past seven years and holds his fourth label.

Living on Peter Street in Sudbury, Laurier and his wife Lily have two little girls, Ramonde 3 and Lucille 1.

Many times, at Inco first aid competitions, officials of the Company have stressed that a man never knows when his first aid training may be invaluable in the case of a serious accident. The incident in which Laurier Frappier acquitted himself so nobly was a perfect illustration.

Donald Chisholm

Donald Chisholm, who has retired on a disability pension after 31 years' service with the Company, was born in Antigonish, Nova Scotia in 1905. He came to Port Colborne in 1924 and worked on the Welland Ship Canal and the Government Elevator as a rig-



Mr. and Mrs. Chisholm

ger before being employed at Inco's Nickel Refinery in 1934.

He worked in the mechanical department from start to finish. He was a qualified first class ironworker and always did his job well.

Anna Niece became Donald's wife in 1928. They have one daughter and one son: Jean (Mrs. George Finetz), in Buffalo, N.Y.; and Kenneth, in Stratford, On-

Look to This Day

Look to this day,
For it is the very life of life.
In its brief course lie all the
verities and realities of your existence:
The glory of action,
The bliss of growth,
The splendor of beauty,
For yesterday is but a dream and
tomorrow is only a vision;
But today well lived makes every
yesterday a dream of happiness,
and every tomorrow a vision of hope.
Look well, therefore, to this day.

"The Salutation of the Dawn," from the Sanskrit

tario. They have seven grandchildren.

At a gathering at the Canadian Corps hall, Donald received a purse of money from his workmates as an expression of their friendship and esteem. Mechanical Superintendent Chris MacPhail spoke for the refinery management in wishing Donald and his wife long happiness.

Russell Thompson

Russell Thompson has worked as a crane man and shipping weigher most of his time at the Nickel Refinery in Port Colborne where his continuous service dates from 1928. Retired now on service pension he can look back with considerable satisfaction on a long and interesting career.

Russell faithfully handled the responsibility of shipping weigher, a job that requires extreme accuracy and close attention to detail in order to ensure the satisfaction of Inco's customers.

Russell, better known as Gamey, was born in Dunnville, on October 10, 1900. Twelve years later his family took up residence in Port Colborne where Russell attended school. He was employed by Maple Leaf Milling Company and Boone Construction before entering the employ of Inco. He played senior hard ball for many years and was highly regarded for his

pitching ability.

In 1924 Russell married Fern McFarland. They have one daughter and three sons: Joan, at home; Gerald, in the lab at Maple Leaf Milling Co.; Lynn, a taxi operator in Port Colborne. Eight grandchildren complete their family.

Russell was presented with a purse of money from his fellow workers in the shearing department. C. H. Ott expressed the Company's thanks for a job well done and the hope that Russell and Mrs. Thompson would long enjoy his retirement. A retirement party was held for him at the Canadian Corps hall where he was presented with further gifts.



PICTURE OMITTED

Unfortunately omitted from the account of Les Wingrave's retirement in last month's Triangle was the above photograph of him and his wife. He was a skimmer on the converters for almost his entire 37 years' service.

70 Entered Lively Golf Tourney

Choosing one of the rare sunny summer weekends, Lively Golf Club held its annual open tournament at the well-groomed and picturesque Lively golf course, attracting some 70 entries representing all the district golf clubs. Presentations were



made by Tom Crowther and club president Frank Young in the smart new club house that has been added since last year's tourney. The club plans to complete the clubhouse by next season and extend a few of the nine holes to make them par four instead of the present par three. In the back row of the group of happy winners are (left) Tim Murphy,

winner of the championship flight, and John Lennie, Mike Duncan and Ken Fryer, winners of the 1st, 2nd and 3rd flights respectively. Kneeling are Chuck Ross and Paul Cretzman, runners up in the 1st and 2nd flights. Missing from the group are Bill Hutchinson, runner up in the championship flight, and H. Nixon, runner up in the 3rd flight.



WINS INCO TROPHY

Assistant to the manager Charles Ott (right) is shown at the Nickel Refinery, Port Colborne, as he presented the Inco trophy for the single axle tractor class to Ronald Lampman, grand champion of the Niagara regional truck rodeo held at St. Catharines. The winner is a driver with Wallace Transport, Port Colborne.