

Emphasis

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Curling is Everybody's Game
(Story on Page 13)





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Warmest and Driest October in 16 Years In Sudbury District

"Everybody talks about the weather but nobody does anything about it," observed Mark Twain.

One of the warmest and driest Octobers on record in the Sudbury district brought day after beautiful day of 70 degree temperatures. People talked about the weather and at the same time held their breaths for fear someone would do something to disturb it.

There were 11 days last month when the temperature hit 70 degrees or better, six of them at one stretch. High for the month was 75 degrees and on only three days did it dip down to 32 degrees or lower. Average temperature for the month was 52.9 degrees which, according to the Copper Cliff agricultural department records, was the second warmest October since 1906.

Sixteen years ago there was a warmer Thanksgiving month: in 1947 the average temperature was 54.2 degrees, almost 10 degrees above the October normal of 44.8 based on 44 years of records. That year there were 13 days of 70 degree temperatures or better, and on only three days did it fall below freezing.

On only one day of October, 1962 did the thermometer register 70 degrees, and during an entire week at the end of the month the temperature never quite hit 40. There were only six days classed as clear throughout the month as compared with 19 in October 1963.

What distinguished October 1963 particularly however was the lack of precipitation. The Sudbury meteorological branch of the De-

Iron Ore Plant Gets First of New Signs



Smartly designed in nickel — containing stainless steel and fabricated in the Inco shops, handsome new signs will be erected at the Company's plants in Sudbury district to identify the plant for visitors and also promote safety among its employees. Shown above is the first of the new signs with plant safety engineer Bob Sandberg. The next one to go up will be at Frodo-Stobie 3 shaft.

partment of Transport declared it the driest October in 16 years. Precipitation was a scant .24 inches while a normal October gives 2.69 inches of rain plus 1.8 inches of snow. Rain actually fell on five

days last month but in very sparing amounts. Ten years ago the October rainfall was 5.49 inches and in no October since then was there less than 1 inch of rain.

The coldest October in the Copper Cliff records was in 1936 when the average temperature was an invigorating 38.9 degrees. On only one day did the temperature reach 70 and the coldest day was the 27th when the mercury slipped down to 13 degrees.

Climatologists say that Canada as a whole is now three or four degrees warmer than it was 100 years ago. Perhaps this moderate weather is to be the norm from now on, with strawberries bearing two crops and annuals blooming in November.

However, while this temperate climate is a boon in many ways, let it not be overdone. A Christmas without snow? Never! If and when that occurs someone will have to stop talking and start doing something about the weather.

Too many people use friendship as a drawing account, but forget to make a deposit.

Asst. Vice-President

Dean D. Ramstad has been elected vice-president of The International Nickel Company of Canada, Limited, and its United States subsidiary, The International Nickel Company, Inc. It was announced by Henry S. Wingate, chairman of the Board.



Dean D. Ramstad

Mr. Ramstad was born in Minneapolis, Minnesota, in 1923, and was graduated from the University of Minnesota, Minneapolis, receiving his bachelor of arts degree in

economics in 1944 and his bachelor of laws degree in 1949.

He joined The International Nickel Company, Inc., in 1957 as a member of the general solicitor's staff, after having served for seven years as an attorney with the firm of Sullivan and Cromwell in New York. He has been assistant secretary of both companies and has been active particularly on the Company's exploration activities.

He entered the United States Army in 1943, was commissioned a 2nd lieutenant in the infantry and discharged as a captain, infantry reserve, in 1947.

Valentin Rintamaki

One of Valentin Rintamaki's first jobs in Canada was helping lay the CNR line between Oarson and Falconbridge. That was around 1929 as he recalls it, and later that year he went to work for Fraser-Brace on construction of the Copper Cliff smelter.



Valentin Rintamaki

A very active 69 year old, Valentin is enjoying a full service pension. Since his continuous service dated from 1943 it was necessary for him to work until 1963 to qualify for a service pension. He first worked for the company in 1933 but was laid off that same year. The town of Copper Cliff was his employer, then until he came back to Inco 10 years later. Valentin had worked with Vic Baker's gang, with the plant carpenters and bricklayers.

Coming from Finland in 1928 he never got further west than Foleyet, where he spent a few months in bush camps.

Unmarried, though not from lack of opportunity he claims, Valentin points out that he has five married brothers, which pretty well takes care of the marrying business in his family. "I was too busy earning money anyway," he added.

Valentin has lived a long time in Copper Cliff and he also has a camp on the Penage Road. Daily trips to Sudbury and odd jobs around his Copper Cliff residence keep this alert pensioner occupied.

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A beautiful red rose was blooming in Stuart McBeth's garden on Orford Street, Copper Cliff, November 4. And out in Thompson on November 6 the Citizen photographed a street scene showing green lawns with nary a sign of snow.





Little League's Grand Finale

Coniston Little League baseball wound up its third successful season with a fine banquet and trophy night held at the Club Allegri. Surrounding the table of trophies pictured above are most of the 64 boys who played in the four-team league along with coaches Joe Barbe, Ken Glibbery, Ken Conlon, Len Olivier and Armand Toniola. League champs and winners of the Coniston

Athletic Association trophy were the Cubs, with the Yanks taking the Legion trophy and the playoff series. Individual trophies were awarded to each member of the two winning teams and all players received crests. Other teams in the league were the Dodgers and the Cardinals. The league is sponsored jointly by the town of Coniston's recreation committee and the Athletic Association. It is well supported by interested parents and others.

George Furchner

Chief chemist at the Copper Refinery since 1939 and highly regarded in his profession, George Furchner has wisely heeded Nature's warning and his doctor's advice to relax and enjoy a disability pension. And this he is doing in fine style.



George Furchner

Rarely sick, when George did go to hospital he caused quite a furor. Never one to do things by halves he sent the hospital staff into a small tizzy when, a few days after being admitted with a fractured elbow, eight broken ribs and a cracked pelvis received in a fall from a ladder, he came up with a dilly of a heart attack. He made a fine recovery and but for a few restrictions is as active and healthy as ever.

A gregarious man who enjoys nothing better than an evening out with the boys, George had a big night when his colleagues held a party in his honor and presented him with several sets of coins for his collection.

"It's funny the different reasons that brought people to Sudbury," said George as he settled down to reminisce. "The reason I came was so my wife's mother, who lived in Minnesota, could visit us more readily than at Noranda where I had been working. Of course Jack Latreille had told me there was work here. Jack was at Noranda when I went there as assistant chief chemist."

George was born 59 years ago at Jasper, Minnesota — "a good Swede" — and graduated in chemistry from McAllister College at St.

Paul in 1927. He worked his way through college as a cook and won a scholarship to go on for his master's degree. "I never did make it though," he confided. "Went the first semester, then my navy brother came home with some money and a piece of property in Ontario." Deciding to look over the new estate the brothers headed for the wilds of Ontario.

Coming to North Bay in 1928 they struck out for Temagami in an old model car. "You won't believe this," said George, "but it took us 32 days to make that trip. They were building the road and sometimes we were held up for days."

George came to Sudbury in 1930 and on Labor Day decided to have a look at the Copper Refinery. "H. A. MacDougall was in charge and the lab was in the basement of the tankhouse," George said. "He hired me on the spot and put me to work right away. That was a real Labor Day." In the fall of 1930 a laboratory was built in the present office building, then in 1957 the chemists moved into their fine new quarters.

Proud of his association with the copper industry, George points out that through the combined efforts of chemists, metallurgists and production men, ORC brand copper is recognized as the world's best.

George married Alice James in 1929. She died in 1948, leaving George with two sons and a daughter. Bad is with the electricians at Levack, Charlie at the Copper Refinery and Nancy (Mrs. R. Kanerva) is at Milton. Eight grandchildren round out the family.

An active Kiwanian for 20 years George is also a coin collector with one of the largest and most valuable collections in the Sudbury district. "That's something I really enjoy," said George as he began cataloguing a collection he had just purchased. "I can put in lots of time at this. Maybe next

year I'll start buying and selling."

George lives comfortably in New Sudbury with friends of many years standing. His interests are many, his enthusiasm contagious and his friends legion.

Charlie Tuttle

Charlie Tuttle was born at Mond Mine in 1906. His father Tom worked there and later at Garson. Charlie was raised in Sudbury and attended the old Central school which was demolished to make way for the Arena.

Retired now from the machine shop at Copper Cliff on disability pension, Charlie has service dating back to 1926. With asthma giving him a rough time of late he decided a disability pension was a good move.

Now Charlie hopes to spend about six months each year at the family camp on Birch Island, and this winter he plans on motoring to Florida.

His first job at Inco was white-washing seemingly endless acres of fence he said. Later he was brakeman on the narrow gauge dinky engine. In later years he operated a crane in the converter aisle, was

Mrs. Tuttle was formerly Clara Bryson and her father is the well-known Inco pensioner Andy. The Tuttles were married in 1926. They have two sons and two daughters: Vivian (Mrs. N. Kennedy) lives in Toronto, Evelyn (Mrs. C. Anderson) at Kirkland Lake, Charlie, junior, is a high school teacher at Lively and Richard works in Sudbury. They have eight grandchildren.

An active outdoorsman who loves to hunt and fish, Charlie will continue to pursue his favorite sports but in a more leisurely way.

Orville Roseborough

Orville Roseborough was a stationary engineer at the Copper Refinery until ill health forced him to retire on a disability pension at the age of 52.

He worked at the Copper Refinery since 1940, starting with the transportation department, then the shops, finally the power department. He was a qualified stationary engineer 2nd class, and mighty proud of his certificate.

Born and raised at North Bay he came to Sudbury in 1937 and worked at Rumball's and Rene's Radiator Service before coming with Inco.

He married Irene Lanthier in 1940. They have a son Gordon, with the CPR, and a daughter, 9-year old Brenda, at home. The Roseboroughs live in the Gatchell area where Orville gets the finest of care and attention from his wife.



Mr. and Mrs. Tuttle

a locomotive engineer for many years, and 10 years ago went into the machine shop where he was in charge of the toolroom for several years.



Mr. and Mrs. Roseborough



Garden Winners At Thompson

In a ceremony in the Municipal Building at Thompson, assistant general manager H. W. Peterson presented \$275 in cash prizes and acknowledged nine honorable mentions to the 27 winners of the third annual Inco gardening competition. Sponsored by the Company to encourage home-owners to beautify their grounds through care and improvement of lawns and flower and vegetable gardens, the competition has sparked lively interest and promoted pride in the appearance of the com-

munity. Award-winners shown in the above photograph are: front row, Mr. and Mrs. N. Kalika, Mrs. A. Lindquist, Mr. and Mrs. A. Crouter, Mrs. R. G. Freed, and Mrs. W. Chaddock, whose skill and artistry have done much to spur horticultural effort in the town; second row, Mr. and Mrs. H. King, Mr. and Mrs. B. Wood, Mr. and Mrs. C. Doman; third row, Mrs. W. Thrall, Mrs. A. Simon, Lloyd McDonald, Joe Steele, C. Burns; back row, A. Quemener, John Zonneveld, Ibert Ingebritsen, L. Ames, Bill Thorpe, John Waschuk, Harold Sinclair, C. Clark.



Thompson people are specialists in beautiful lawns, as this aerial picture shows. These are Riverside Drive homes of (from the top) John Zonneveld, Bob Freed, Ray Puro, Rudy Regimbal, Bill Bilows, Jack Holtby, John Waschuk.



First prize for the best overall appearance and effort was awarded to Ibert Ingebritsen for his unusually neat and attractive home grounds on Greenway Crescent. He made the most of Thompson's short but vigorous growing season to produce a highly commendable display.

The Awards

Winner of first prize for the best lawn was John Zonneveld of 196 Riverside Drive. Second prize went to H. Sinclair and third to A. Quemener. Runners-up were L. Ames, L. McDonald, W. Thorpe, S. Prusak and J. Steele.

First prize winner for the best flower garden was Mrs. W. Chaddock, 86 Juniper Drive. Mrs. R. G. Freed placed second and Mrs. J. B. McConnell, third. Runners-up were A. Crouter, Mrs. N. McCrea, Mrs. A. Thornborough, N. Kalika and Mrs. A. LaFontaine.

Cal Burns of 131 Greenway Crescent was presented with first prize in the garden event with Charlie Clarke, second, and John Waschuk, third. Runners-up were Mrs. W. Thrall, C. Doman, Mrs. A. Lindquist, Mrs. A. Simon and A. Picard.

First prize for the best overall appearance and effort was presented to I. Ingebritsen, 100 Greenway Crescent. H. G. King, of 47 Poplar Crescent, placed second and Mr. and Mrs. B. Wood, 199 Juniper Drive, were presented with third prize.

Honorable mention in the vegetable garden event went to J. R. Hawkins, H. G. King and S. Modric. Honorable mentions for flower gardens went to J. Zonneveld, H. Sinclair and H. Boucher. R. Puro, L. Gere and K. Fich received overall honorable mention.



The Keith Diebel residence, with its bright flower borders, is set in a wide expanse of smoothly kept lawn.

Steve Modric is seen busy in the model vegetable garden at his home in Elk Bay.



Creighton Visited by Executives



On a plant tour during his visit with vice-president James C. Parlee to Copper Cliff for the annual meeting of the Quarter Century Club, chairman of the board Henry S. Wingate inspected Creighton mine workings including the 6500 level development, deepest point in Inco mining. He and his party are shown here in front of the impressive safety board in the warm room at Creighton 5 shaft: mine superintendent Earl Mumford, superintendent of mines John McCreedy, Mr. Parlee, Mr. Wingate, general manager T. M. Goetz,

assistant general manager J. A. Pigott. The Iron Ore Plant, Copper Refinery,

and the fluid bed roasting plant at Copper Cliff Smelter were also in-

spected by the chairman and vice-president.



Superintendent Mumford presented Mr. Wingate with a handsome pair of bookends sculptured in redwood by Creighton's miner-artist Charles Paxy. The chairman was delighted with the gift and later sent Mr.

Paxy an autographed picture, in a stainless steel frame, of himself in his office where the bookends stand on a shelf beneath Cuneo's celebrated painting of Creighton 5 shaft collarhouse. Inset shows Mr. Paxy sculpturing a figurine.

BELOW: Luncheon guests N. H. Kearns, Walter Curlock, H. F. Stewart, and J. R. Feick.



At a staff luncheon at the Copper Cliff Club the chairman is shown here chatting with A. M. Cameron, W. Tilston, and T. M. Goetz.



Chief geologist H. F. Zurbrigg, Toronto, (second from right) was among the luncheon guests. Others shown here, J. E. Lee, M. A. Luck, G. W. Thrall, and George Morrison.



D. B. Taylor, G. M. Thorpe, Donald Cowtell, and R. M. Brown. BELOW: G. E. Burns, R. J. Hall, B. T. King, and G. A. Frame.





Fine Fellowship At Port Colborne

Following the highly popular and appreciated custom, Nickel Refinery manager J. Howard Tuck sent bouquets of roses to the wives of the new Quarter Century Club members at Port Colborne, accompanied by a personal letter expressing the Company's gratitude for their part in the 25-year service records of their

husbands. The three shown above with their bouquets are Mrs. Donald Wilson, Mrs. Preston Roe, and Mrs. Joseph Gabel. All were delighted with the flowers and felt they were, as Mrs. Gabel said, "a very thoughtful gesture". Other photographs on this page show some of those attending the annual Port Colborne get-together of long-service men.



21 New 25-Year Men Join Club At Port Colborne

Another 21 members were added to the roster of the Quarter Century Club's Port Colborne branch on November 7, boosting the total membership there to over 300.

Vice-President James C. Parlee, addressing the audience of 450 active 25-year men and pensioners at their 15th annual dinner in the Recreation Hall, lauded the Company's long-service employees for their part in its success.

A great deal of credit is owing the production men, he said. Although working with lower ore grades, changing mining and processing methods, and increased costs of supplies, they had maintained the Company in a competitive position. Along with the research scientists who develop new products and the sales engineers who find the market, they were seeing that Inco gets its fair share of the nickel business.

"On behalf of the Company I want to thank you for your efforts in the past and future," he said.

Recalling his early years with Inco, during which he was miner, mill operator, and smelter man, Mr. Parlee said it was not until he had charge of building the new plant at Thompson that he fully appreciated the value to the Company of its long-service men. He referred particularly to a group who came to Thompson from Port Colborne to help get the new nickel refinery started. "Had it not been for these people it would have been well-nigh impossible to get the Thompson refinery going successfully as it is today," he declared.

Ontario general manager T. M. Gaetz said he and Mr. Parlee had made a tour of the nickel refinery during the day. "I was most gratified to see the plant in such good operating condition, and to meet some of the men on the job. Each man is making his contribution." He congratulated the plant on its



Vice-president James C. Parlee, Ontario general manager T. M. Gaetz, and nickel refinery manager J. Howard Tuck took part in the presentation of gold badges to the 21 new 25-year Inco men at Port Colborne. Shown above as he was congratulated by Mr. Gaetz is Yves Lemay.

safety record and hoped the improvement of recent years would be continued.

Briefly reviewing the history of the Quarter Century Club, Mr. Gaetz recalled the first formal meeting of the Port Colborne branch on December 20, 1937. "There were seven charter members. They were invited to come and receive their gold membership buttons from the works manager, Mr. H. W. Walter, whose recent death saddened all who knew him. A man of the highest honor and integrity, Mr. Walter was the type of citizen with which the membership roll of the Quarter Century Club has been distinguished right from its inception."

The general manager added a word of thanks to organist Reg Steeves, one of the new 25-year men, "for his contribution to these parties" and congratulated him on his son Wayne having won an Inco scholarship.

In thanking Mr. Parlee and Mr.

Gaetz for their remarks, refinery manager J. Howard Tuck said how pleased he was to attend the banquet "and to meet again with the pensioners whom we see so seldom."

Speaking for the pensioners, Alex McNay thanked the Company for, as Robert Burns put it, "the glorious privilege of being independent."

Assistant manager J. H. Walter was chairman. He read telegrams of good wishes from R. G. Dow and G. J. Marsh on behalf of the Copper Cliff and Toronto branches of the Quarter Century Club.

A moment of remembrance was observed in honor of members of the club who have died.

Bob Duke led the gathering in a rousing sing-song, with an assist from Yves Lemay and Albert Godin when it came to "Alouette."

A top-notch variety show booked by S. C. Augustine rounded out the program in most enjoyable style. Les Barker led off as m.c., then gave a clever and amusing per-

formance with his projected cartoons. The Dynamettes, a snappy and comely young dance team, and Loro Farrell, a charming soprano whose star is rapidly rising on the entertainment circuit, drew heavy applause. Then the beautiful Nancy McCaig wound it up with her dashing accordion act.

Leevi Friman

Leevi Friman has been a Frodo man since 1934. Taking his ease on an early service pension he looks back over those years with a good deal of pride.

"When we opened up 2000 and 2200 levels I worked as slusher-man," he recalled. "We only had a couple of slushers then and the slusher and I moved from stope to stope." Later he worked in pillars on 1800 for several years and then wound up his Inco service with a dozen years as a member of the underground construction gang.

It was in 1936 that Leevi left his native Finland. His first job in Canada was helping build the aluminum plant at Arvida, Quebec. Next stop was Toronto where he worked several years for the CPR.



Mr. and Mrs. Friman

Laid off during the depression he came to Sudbury in 1934.

Leevi and his wife, the former Olga Kunnari, both enjoy their Sudbury home and their camp on the Spanish River. Fond of fishing winter or summer, Leevi is now enjoying the time to pursue this sport. A trip back to Finland is scheduled for next year.



Kenneth Doan, whose photograph was unfortunately omitted from the group of Port Colborne members in last month's Triangle, is seen above receiving congratulations from Mr. Parlee.



Glamorous Nancy McCaig and her accordion topped the classy entertainment arranged for the dinner by S. C. Augustine.

The Inco Safety Story

A detailed study of safety practices in the Ontario division of The International Nickel Company, written by safety superintendent M. E. Young and Creighton mine superintendent E. E. Mumford, contains a story of personal interest to all Inco employees and their families.

Illustrated with colored slides, this paper has been presented by Mr. Young at the American Mining Congress in San Francisco and at the Mines Accident Prevention Association in Toronto, where it was followed with the closest attention. It will be the feature attraction on the Mines Safety Night program at Elliot Lake in February.

Triangle readers will be impressed by this close-up of a program that strongly affects their daily lives.

Organization

The superintendent of safety has his headquarters in the Company's general administrative offices at Copper Cliff. He is responsible to the general manager of the division but works directly with the superintendents in charge of the various mines, smelters and research departments. His staff in Copper Cliff consists of an assistant superintendent, a general safety engineer and a safety engineer. All matters pertaining to the Department of Mines, The Workmen's Compensation Board, the

Department of Health and provincial safety are channelled through



M. E. Young

superintendent of safety and outline programs selected from the advisory staff and research safety department three years, after turn to the programs. In this way maintains a pool specially trained to promote the safety

Yardstick

An indication achieved by safety has been seen in the fatality rate, which has been reduced to 1930, which have

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The Inco safety story starts with careful and thorough indoctrination of the new employee. Here shift boss Grant Baker meets a new man, Barry Silverman, at Creighton mine 5 shaft, to start him on his training in safe workmanship.



In the school stage, an underground working place reserved for mining instruction, the new man is shown learning how to operate a drill. School stage shift boss Baker puts special emphasis on the safety angles as he teaches each step of the mining procedure.



Good housekeeping is the hand-maiden of safety. Throughout the mine placed on maintaining neat and orderly conditions. The machine shop example.

Top supervision often drop in on job demonstrations. General manager M. E. Young and S. Merla, visited this one conducted by shipping boss



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Personal contacts are a vital part of the Inco safety program, keeping the shift boss in constant touch with his men on safety matters. At Clarabelle Open Pit shift boss George Guigley is seen contacting pit miners George Maki and Eva Zambelli. In the shovel cab is Arthur Dowdall, and on the right superintendent Norman Creet.



Recognition and awards spur the safety program at Inco. Picture shows shift boss Jim Byrne of Creighton 3 shaft receiving the monthly shield for best overall safety performance from mine superintendent Earl Mumford.



and plants strong emphasis is at Frood mine is an excellent



T. M. Goetz, accompanied by ecil Corrigan at Copper Cliff.



Job demonstrations provide regular "refresher" courses in safe workmanship. Above, shift boss Wayne West conducts a drilling demonstration underground at Murray mine. At the right is safety engineer John Rickaby.

At this slag skimming demonstration at Copper Cliff smelter shift boss Armand Emond is presiding, assisted by Steve Schwarzkoff. Smelters superintendent John Lilly (right) and R. Chambers were visitors.



Sudbury Businessmen Inco Guests

A large contingent of Sudbury & District Chamber of Commerce members paid a neighborly visit to Inco plants at Copper Cliff and saw some of the operations that contribute so substantially to the business economy of the Nickel Belt. Following their tour they were guests of the Company at a buffet lunch at the Copper Cliff Club.



Chamber of Commerce president Syd Stevens expresses his party's appreciation to Inco general manager T. M. Goetz. Other chamber officers shown are 1st vice-president Morey Spiegel, treasurer Lorie Martin, and 2nd vice-president A. Godfrey.



Assistant superintendent Bob Butler explains the Iron Ore Plant process to Claude Tawner, Hal Wood, Jake Cope, and Gord Lane.



At the Iron Ore Plant assistant to the superintendent George Nowlan guided an attentive group. On the right is Vic Comiso.



Don Kester, Don Ferguson, Don Cahill, Iron Ore Plant superintendent E. H. Bracken, and Arne Ritari.

Getting the lowdown here from their guide, Harold Guse, are Ernie Coutu, Max Silverman, and Al Goring. BELOW: At Clorabelle Open Pit the visitors watch one of the huge haulage trucks dump its 30-ton load of ore into the crusher.



On the left, Bob Hall chatting with reduction works manager R. R. Saddington; at the buffet, Oscar Huneault, Al Melanson, Claude Tawner.



This is the slag skimming setup at each of Thompson smelter's three electric furnaces, showing the water-cooled launder, granulator pit, and air-operated safety device for diverting the flow of slag in the event of an emergency.

No Fireworks But High Efficiency In Thompson Slag Disposal System

Slag disposal at Thompson smelter is a shy, retiring sort of an operation compared with Copper Cliff where the molten waste, cascading down the side of the dump and painting the night with a fiery glow, stages a spectacular display that draws tourists from near and far.

However, since the tourist trade can hardly be classed as a vital factor in Thompson's economy, the comparison is unimportant except from an artistic point of view, and the Northern Lights more than take care of that.

Thompson smelter's system of slag disposal by water granulation and slag slurry pumping, is one of the three unique features of the plant's design; the other two are fluid bed roasters and electric furnaces with self-baking electrodes.

The three 18,000 kva electric

furnaces are each fed by three fluid bed roasters. The charge enters through the roof along the side walls of the furnaces, mixes with recycled converter slag, and separates into slag and matte phases. Matte is tapped into ladles through an end wall and, as at Copper Cliff, transferred by overhead cranes into Pierce-Smith type converters for further processing to Bessemer matte. Slag is skimmed at the opposite end wall through a water-cooled copper block, and is granulated and pumped to the disposal area through wire-reinforced rubber pipes.

Slag disposal facilities at each furnace consist of a water-cooled launder, granulating jets, quench pit, and two sets of pumps, each set having two pumps connected in

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Three powerful streams of slag slurry gush from the rubber pipelines at the disposal area west of Thompson smelter at the rate of about 1000 gallons a minute.

BELOW, a view of the disposal area from the smelter, with the slag sampling station in the left foreground. The finely compacted slag is easily spread by a bulldozer.



Each furnace has two sets of pumps for pumping the slurry of finely granulated slag from the granulator pit to the disposal area.



Safety Story

(Continued from Page 9)

from a rate of 13.0 per million shifts in 1930 to 26 per million shifts in 1961. It should be noted that there was a considerable drop in accident frequencies between 1930 and 1939, due largely to the introduction of standardized work methods.

Workmen's compensation costs for the entire nickel industry in Ontario run at about \$2.00 per \$100 of payroll. This is among the lowest in the mining industry and compares favourably with other industries, such as gravel pit rates of \$4.00 per \$100, road construction of \$3.25 per \$100 and bridge construction of \$5.00 per \$100.

Twenty-five years ago, the late W. H. Heinrich of the Travelers' Insurance Company made a study of the causes of accidents, and concluded that 80 per cent were due to unsafe acts, 10 per cent to unsafe conditions and 2 per cent to "acts of God". These percentages are kept in mind in planning Inco's safety programs.

During the early thirties when the first big reduction was made in the number of injuries encountered at Inco mines and smelters, "working conditions" were the primary target. Today, "good housekeeping" is a byword with every employee, and conditions are such that very few accidents are accounted for in this category. In every workplace throughout the mines and plants strong emphasis is placed on maintaining neat and orderly conditions. Good housekeeping is well established at Inco and the Company intends to keep it that way.

Never-Ending Job

Dealing with industrial injuries due to acts of man, the safety engineer is faced with the vitally important factor of the employee's attitude toward safety in his regular activities outside the plant.

If he can be induced to think and act safely at home, on the highway, or at play, he will be a much safer man on the job. Supervision and employee alike must realize and readily admit this vital

factor. Intensive and proper training must then follow. At Inco this training starts before a new employee goes to his job and does not terminate until the day of his retirement.

One of the main jobs of the safety engineer in this training program is selling. Just as advertising for household goods must reach the housewife, so safety advertising must reach each and every worker. It is not good enough to reach him once a month, once a week or once a work day. If possible he should be reached every

hour of every day and even on his days off. Last year among more than 20,000 employees, there was one fatality due to an accident within the plants, but there were at least 18 employees who lost their lives due to accidents outside the plants. There is a boundless field outside the gates for safety advertising and promotion that will have a direct effect on an employee's attitude toward safety within the plant.

Heart of the Program

Job demonstrations and "personal contacts" on a large scale are the real heart of the safety program at Inco. This type of program is not an easy one to introduce. It will encounter resistance, active or passive, from some men. However, once such a program is on its way, the results will justify the efforts.

A job demonstration is arranged by the shift boss and is performed under his supervision by the workmen before an audience of from six to 15 men directly connected with the job being demonstrated. In addition there will be visitors, such as senior supervision, who drop in to check and add an invaluable note of prestige to the project. At the end of the demonstration the men are encouraged to ask questions and make suggestions. This active participation on the part of the men at the time of the demonstration is very effective toward teamwork in safety.

"Personal contacts" are made by the shift boss during his tour of the working places. He may confront a man with the question, "Now tell me, Nick, what are the four major causes of accidents in mining?" or "What are the seven points in good scaling practice?" or simply, "How many safe shifts

since our last accident?" The miners know the particular phases of their work being featured in safety promotion during any one period. They expect and anticipate questions, and look forward to them often in the spirit of a game. It requires tact and patience on the part of the shift boss to create interest through a question and answer system.

At Creighton mine, where more than one Inco safety record has been established, this type of program has played a very large part toward success. It has been introduced at the other mines and adapted for the surface plants. Substantial results have been obtained.

No Hit-and-Miss Method

Demonstrations and personal contacts are not left merely to the convenience of the shift boss. In any one operation or work category all phases or techniques are scheduled to be covered by demonstration or contacts. Each month an outline is drawn up of subjects to be covered. A detailed schedule indicates the subject heading, whether by a demonstration or contact, the time, place of presentation, under each shift boss' name, one per week per shift boss. Senior supervision have access to these detailed schedules and can plan to visit presentation in conjunction with their normal tours. These visits are of prime importance in keeping this program active and alive.

The monthly schedule also lists personal contact subjects. Each shift boss is expected to make at least one contact with each of his men per week. The shift boss turns in a report giving the names of the men who were present at a

FORM - 100

THE INTERNATIONAL NICKEL COMPANY OF CANADA LIMITED (INCO)

Monthly Safety Program

Code... Dept... Month... Team...

Supervisor	First Week 1-5	Second Week 6-10	Third Week 11-15	Fourth Week 16-20	Fifth Week
J. Morrison	Proper way to lift Aug. 5 11AM 1	Use of signal lights at Orford transfer Aug. 10 2AM 2	Clean counter balance pit Aug. 21 3PM 3	Do not walk on balloon flue Aug. 27 11AM 4	
Per. Com.	Wear proper clothing 5	Stand clear when making H ladles 6	Eye protection 7	Wear hard hats 8	
J. McKinnon	Proper way to lift Aug. 7 11AM 9	Use of warning lights & signals Aug. 14 2AM 10	Clean counter balance pit Aug. 20 3PM 11	Do not walk on balloon flue Aug. 26 11AM 12	
Per. Com.	Wear proper clothing 13	Stand clear when making matte ladles 14	Eye protection 15	Wear hard hats 16	
J. Miller	Proper way to lift Aug. 8 11AM 17	Use of signal lights at Orford transfer Aug. 19 2AM 18	Clean counter balance pit Aug. 22 3PM 19	Do not walk on balloon flue Aug. 29 11AM 20	
Per. Com.	Wear proper clothing 21	Stand clear when making matte ladles 22	Eye protection 23	Wear hard hats 24	
T. Smith	Proper way to lift Aug. 9 11AM 25	Use of signal lights at Orford transfer Aug. 15 2AM 26	Clean counter balance pit Aug. 23 3PM 27	Do not walk on balloon flue Aug. 30 11AM 28	
Per. Com.	Wear proper clothing 29	Stand clear when making matte ladles 30	Eye protection 31	Wear hard hats 32	

Job demonstrations and personal contacts are considered the heart of the Inco safety program. Monthly schedules are drawn up and complete records are kept of the men present at demonstrations or given personal contacts. Shown above is a typical job demonstration schedule, covering a month's program in the converter department at Copper Cliff smelter.



The low frequency of accidents among employees trained in First Aid indicates that this training plays a direct role in preventing accidents. Shown above is a First Aid competition at Leveck mine. The team in action are Jean Sauve, Don Norpin, Albert Roy, Larry McLoughlin, captain Edmond Poirer and patient Laurie Puro.

demonstration or who were given a personal contact. This information is entered on a personal file recording the instruction given each employee. Different colors are used for each three-month period, providing a quick method of spotting any employee who has not received recent instruction in a particular subject. A follow-up is then put into effect to ensure that this man is contacted.

At each month-end members of supervision receive lists of the demonstrations held and personal contacts given during that month. In this way, all supervision from the superintendent of a department to the shift boss are given an opportunity to check on the thoroughness and effectiveness of the program.

Kept On Their Toes

Since a great deal of responsibility is placed upon the leadership of supervision, these men are spurred to continued effort by recognition and incentives. Each month a shield is awarded to the shift boss at each plant having the best safety performance, based on general appearance and accident rating. Where applicable, divisional and general foremen compete for a shield at each plant. A new award has recently been announced for annual competition between plant superintendents. Thus, supervision at all levels are kept on their toes.

At least once each month a safety meeting timed to suit supervision on all shifts is held at each plant. Accidents are discussed, and an effort made to determine the

cause and devise future prevention. Schedules of demonstrations and personal contacts are some over. The latter part of the meeting is given over to safety suggestions. Each man on the staff is asked to provide a suggestion which might improve safety conditions. At a later meeting, these suggestions are reviewed by the plant superintendent with his general foremen and technical men. All promising suggestions are given a trial. Needless to say, some very valuable and worthwhile ideas are produced.

Interest in safety is also stimulated by posters and by locally produced photographs and art work. Catchy answers to personal contact questions are posted conspicuously where even the fleeting may heed. "Reminder cards" are distributed from the safety office at each plant, listing in condensed form the approved technique for each job. There is such a card covering every job classification in the plant.

When a plant reaches a total of 100,000 shifts free from lost-time accidents, an award is presented personally to every man contributing to the record. The reward may be a pen suitably engraved or a matching pencil.

First Aid Training

Another important phase of the safety program at Inco is First Aid Training. Extensive instruction and practice is carried out among the employees at all plants over a six-month period each year and is put to practical use throughout the entire year. Each employee is given the opportunity to attend an annual series of First Aid lectures. He is paid one-half his hourly rate while attending these lectures on his own time. Then, he is given the opportunity of furthering this training by competing for the annual Inter-Plant First Aid Championship. Each shift boss sponsors a First Aid team which trains under actual job conditions. Preliminary competitions are also held on the job, but the contests are open to the public and are dramatically staged under simulated accident conditions.

Senior executives of the Company take a keen interest in the First Aid competition. Their presence gives the event a very substantial lift. In fact, to introduce a safety program such as Inco's presents difficulties under any circumstances, but would be almost futile without the personal support of the senior executives.

It is significant that a very low frequency of accidents has been noted among employees trained in First Aid, indicating that this training is playing a direct role in preventing accidents.

One in every three Inco employees is trained in First Aid, assuring that an injured man will be properly cared for at the scene of an accident before being moved to a First Aid room.

As soon as possible after an injured man is released from hospital, his rehabilitation is begun by providing light work at the plant. International Nickel thus follows closely the three-fold motto of the Workmen's Compensation Board:

- (1) Do everything possible to prevent injuries.
- (2) Do all that is humanly possible to repair the injury that does happen.

- (3) Do all in our power to rehabilitate the injured person as soon as possible.

Management's Support

The general manager of the Ontario Division periodically attends job demonstrations and leaves no doubt as to his personal endorsement of safety promotion. He takes time to visit all sections of the mining, smelting and refining divisions specifically to see and inquire about the progress of the safety program. These visits from the top management of the Company give the program an assist which carries down through all departments to the grass roots of the organization.

In other words, it is not left to the safety engineer alone to produce a good safety record. The aid of every member of the supervisory staff is enlisted for good safety.

In a 5,000-man plant, such as the Copper Cliff Smelter, there are 168 supervisors. Good use is made of these many and capable hands. These supervisors are not only given help to carry out the safety program, but even more important, assume the responsibility of doing their own safety work.

Experience has shown that support of a Safety Department must be active and constant so that all supervision will have no doubt in their minds that management means what it says about safety. It is also axiomatic that at no time should a safety engineer take away from a foreman the right of managing his own department in the line of production or safety. For the most effective and progressive safety program, that right should never be usurped.

The Safety Credo

The Chairman of the Ontario Workmen's Compensation Board, Mr. E. E. Sparrow, in an address to the Canadian Institute of Mining and Metallurgy in March, 1962, said, "Are you satisfied with what you have got in the way of accidents, though they are reduced to possibly a lower point than they have ever been? Are you satisfied with that? I don't think any of us involved in the prevention of accidents will ever be satisfied no matter how much better we develop our skills."

International Nickel believes that management must take a foremost position in the safety of the operations it manages. It believes that management must be the real link between the safety and operating departments. Management must see that safety is not molded to production but rather that it is made a real part of production.

It believes that management must probe into the operations sufficiently to see that safety reaches every phase and that good safety becomes as much a yardstick of a company's success as volume, grade or dividend.

Only in this way can management live up to its responsibility in the elimination of accidents and their tragic toll in human suffering.

NICKELCIDES

Weedicides, fungicides, pesticides, herbicides, insecticides, nematocides and plant nutrients are made of nickel chemicals for the agricultural industry.



Golden Wedding

Surrounded by their family and friends Mr. and Mrs. Orville Simpson celebrated the golden anniversary of their marriage in Sault Ste. Marie on September 17, 1913. With them were their four sons, Norman and Earl of Lively, Allan of Sudbury, and Royce, at home, and their daughters Mrs. Stanley Morbin of Lively and Mrs. William Bruno of Sudbury. They have eight grandchildren and one great-granddaughter. Mr. Simpson retired from Creighton in 1956 with over 35 years of Inco service.

Bill Roach

A member of the Port Colborne electrolytic department, popular, well liked Bill Roach has retired on a disability pension after 35 years with Inco.

He was born in Thorold in 1909 but his people moved to Port Colborne that same year so Bill feels that this is his home town. His first job after leaving school was with the Brantford Carriage Company where he worked for a couple of years. He then took off for Pittsburg where he found employment with the Duncane Electrical Company, but after a year he was back in Port Colborne.

On October 1, 1928, Bill started with Inco and with the exception of four months all his service was in the electrolytic department



Mr. and Mrs. Roach

where it was his job to look after the maintenance and at times supervise installation of mastic lining on new units. Over the years the job grew from three units in 1928 to 12 units at his retirement. Bill was a reliable and trustworthy employee and his associations with men and supervision were cordial and dependable.

In 1934 Bill married Mary Irene Hare. Their son Larry is an Incoite with nine years' service. Three grandchildren complete the Roach family.

At a gathering in the electrolytic department, Bill received a transistor radio from J. H. Walter on behalf of his fellow workers, along with best wishes for an early improvement in his health.



Paul the Speed Demon

Paul Jansson, the popular caretaker of the Copper Cliff general offices, will probably take up professional bike-racing when he retires on Inco pension. Well into his 60's, the irrepressible Paul the other day biked the six miles to work from his Trout Lake home in 12 minutes. His best previous time was 16 minutes. This winter he will also shoot for a new record for the trip over the hills on his cross-country skis.

TED DASH spoke in deep appreciation of the friendships and associations he had formed in over 30 years at Inco when he was honored at a retirement party in the Copper Cliff Italian Hall. In this head table picture are Mervyn Hambley, general manager of Ontario Hydro, T. M. Goetz, general manager of Inco, and Arthur Prince, Inco electrical superintendent, all of whom paid tribute to Ted. He was presented with a television set. Chairman was Bill Van Allen.



Ted Dash

"I got tired of working in the furniture factory so decided to go into the electrical business for myself," smiled this new pensioner, and thus began the career of one of Inco's senior electrical men, Ted Dash, now retired on full service pension. In his 38 years in the electrical trade Ted has earned the respect and admiration of his close associates and the industry at large.

It was in the town of Chelsea in 1925 that Ted made his momentous decision. "I didn't know much about wiring I'll tell you," he grinned, "but I got along alright." In 1929 an electrical equipment salesman told him that Percy Morrison up in Sudbury was looking for a smart young electrician and a few weeks later he had one. "I worked for him until 1931," Ted recounted, "then I got on with Inco at the time they were installing the Orford process at Copper Cliff."



Mrs. Dosh

Laid off in 1932, Ted returned in 1933 and was sent to Creighton. When sinking began at No. 5 shaft he was moved to that operation, then in 1936 went to Garson as chief electrician.

In 1942 he was transferred to Frood as assistant to Stewart McKenzie and in 1946, when things were really humming at Stobie, took charge over there. "I'm proud of those big bolts we helped install," he said. Ted moved back to Copper Cliff in 1958 and finished out his service as an electrical foreman at the smelter.

A strong advocate of Hydro's singing theme that you "live better electrically" Ted has, since 1954, been a valued member of the Sudbury Hydro Commission. "I think we in Ontario are the most fortunate people in the world," he stated. "I know we are as far as electric power is concerned. I am a great admirer of Sir Adam Beck

and his vision of cheap power for all, and that's one reason I find it a most rewarding experience to play a part in that work."

An executive member of the Ontario Municipal Electrical Association for the past four years Ted this year was elected president, an honor he feels is just about the high point of his career. "There are more than 350 hydro commissions represented," he explained, "and my work this year will entail a lot of travelling."

Big, bass-voiced Ted Dash is probably Sudbury's best known song leader. A familiar voice and figure at the annual Quarter Century Club dinner he has also served churches, service clubs, the Y.M.C.A. and other groups. He has been a member of his church choir for more than 30 years. His "finest hour" in song was many years ago when he took the part of the admiral in Gilbert and Sullivan's "H.M.S. Pinafore." He was also pretty handy with the violin at one time.

Actually it was through his association with singing that Ted finally got married. In 1945 he succumbed to the charms of another choir member, Isla McCabe, and they were married that year. Their daughter Margery, who was 17 on November 18, is the apple of her daddy's eye.

A gardener who started with nothing more than desire and a hand trowel a few years back, Ted today has one of the most attractive gardens in his neighborhood. His beautiful bed of begonias are a regular drawing card. "Right now," enthused this big pensioner, "I'm growing African violets under fluorescent lights in my basement. It's lots of fun and," he added, "you can't beat electricity for giving the kind of light or heat you want."

Ted and his family spend a good part of the summer at their Clearwater Lake camp.

Born in Portsmouth, England, 63 years ago, Ted came to Canada with his parents in 1915. He served two years in World War I. When asked what he considered the highlight of his career Ted reflected and said, "the whole thing. I've had a wonderful life at work and at play and I don't know where

I'd improve on it. And I know that retirement is going to be the same only more so," he added.

A large delegation from Ontario Hydro as well as Sudbury community leaders joined Ted's Inco friends in honoring him at his retirement party.

Charlie Price

A man with an inherited affinity for a mason's trowel, Charlie Price has retired on early service pension. A mason at Frood for 28 years, cheerful Charlie has now joined his old partner Wes Eby in retirement.

"My father was a bricklaying contractor and so was my grandfather," said Charlie. "In fact he helped erect most of the buildings in Marmora." That's where Charlie was born in 1899. "It was a gold mining town then," he recalled, "and my first job was at the mine as sampler in 1917."

Moving to Toronto Charlie spent three years in Eaton's optical department, then joined an uncle in the bricklaying business. After a five-year apprenticeship he came to Sudbury in 1927. He worked

with several local contractors before joining Inco in 1934.

"I started in the yard for Harry Towus," he recalled. "Then I went into the carpenter shop. I laid brick in summer and ran the framing machine in winter." Charlie claims to have repaired, partitioned, extended or remodelled every brick building at Frood, Stobie and the Open Pit. He spent nearly a year at Lawson Quarry in 1941 when that plant was built.

Still a sharp man on tee or green, Charlie has for years been one of the district's better golfers. "When I played at the Idylwyde many years ago I had a 9 handicap," he said. He was on one of the first teams to win Inco's annual golf tournament. His wife, Grace Elliott, whom he married in 1949, is also a keen golfer, and she and Charlie may be seen enjoying a game almost any day at the Fairway Golf Club as the accompanying picture shows them.

Visits back home, travel, golf and bridge are numbered among Charlie's pleasant hobbies, and keeping his Sudbury home in first class shape is another. A happy pensioner with a wide circle of friends, he carries into retirement the best wishes of all who knew him at Frood.

No Fireworks

(Continued from Page 11)

series, for pumping the slag slurry to the disposal area west of the smelter.

Skimmed from the top of the furnace bath at a temperature of about 2,350 degrees F, the slag flows down a 10-ft. cast iron launder into the granulator. As the slag stream leaves the launder it is struck by three high-pressure water jets and in the form of fine grains falls into a concrete sump containing 5,000 gallons of turbulent water. The granulated slag slurry, at 10 to 20% solids, is pumped from the sump to the disposal area through 5 in. rubber hose.

The temperature of the water in the granulating pit is controlled between 100 and 140 degrees F. Part of this hot water overflows the pit and is pumped to the mill where it provides the major source of process heat.

As a safety precaution the wall of the granulator pit facing the furnace is constructed of two reinforced concrete slabs with a water-proof membrane between the slabs. The water capacity of the pit allows for 10 minutes of safe operation after a water failure. This is ample time to stop the flow of slag before there is any danger of explosion. Additional safety is provided by an air-operated device which can break the skimming launder to divert the flow of slag from the granulator pit onto the ground floor under the furnace.

BETTER BLOCKS

Nickel added to the cast iron engine-block of a modern automobile greatly enhances engine performance. Tests have shown that as little as one per cent nickel in the cast iron will increase the block's fatigue resistance, its pressure tightness and strength, and will help prevent cracking under high cyclical stresses.



Charlie and his wife Grace enjoying a game at the Fairway Golf Club.

HOT SCORING IN GOLF TOURNAMENTS

Despite rainy weather Copper Cliff Athletic Association's ninth annual golf tournament drew a turnout of close to 50. Gord McLean and Hughie Allan sent the boys out into the mist before 8.30 in the morning and they proceeded to teach the Fairway course a thing or two.

For the second successive year Bert Boyd came in with the best low gross.

a 77, followed by Ron Silver. Henry Lewandoski and Lou Prete with 78, 79, and 80. Bill Allen brought in the best net, a 69, and Bert Squirell was runner-up with 70. Harvey Nadeau won the putting contest with a hole-in-one, and Ray Clyke took the chipping honors. Jack French reports that Lino Crema was the most improved golfer of the pack, Angus Elliott the most honest, and Doug Thom the most venerable.

In the Copper Refinery Athletic Association's tournament, held at the Garson Golf Club, H. Koivula's 85 took low gross laurels with F. Carson one stroke back for runner-up. V. Mallinen and Bob Rodger



Bert Boyd and Bill Allen with president Jack Lilley of the CCAA, who presented the trophies.

ted for low net with 70's. Cec Matthews says everybody enjoyed the day's outing.

John Woznow won the Waters Hotel trophy for low net in the annual Creighton-Lively golf tournament and led his team of Walter Chornenky, Alfred Maskell, and George Hudac to victory in the Archie Massey trophy event. Ev Staples took the DeMarco trophy for low net and captained the winners of the Rock Iron trophy. Gerry Girard, Herb Edinger, and Bob Hostrauser. The tourney was played at Espanola, and Gary Foy states that approximately 40 golfers took part.

ladies', schoolboy, and oldtimers' curling, along with mixed curling and other bonspiels. Some outside organizations also use the facilities. "The Ontario Hydro boys have two hours ice time each Saturday for 15 weeks," league secretary Don Simmons said. Other members of the club executive are Jack Angove, president, Harley Gagnon, vice-president and Dino Santi, treasurer. Mrs. Art Ethier is president of the ladies' section which this year hopes to add a few new curlers. Their first event opened on November 14 and in January they host the big ladies' invitational bonspiel. One new feature in the men's section is that after January 1st the teams drawn will remain intact for the remainder of the season's events. "Similar to western style," explained Don.

LEVACK

At Levack last year's peak of 150 members has tapered off a dozen or so, and this, according to secretary-treasurer Jim McCoy, is just right for their four sheets of ice and two draws nightly. The Mutz trophy, first of six regular events, is presently underway and the men's invitational bonspiel will be one of this year's highlights. Vic Larsen is club president with Bill Collis as vice. Mrs. Pearl Moir is president of the ladies' section, always an active one in that town. In addition to afternoon curling the ladies have ice time two evenings a week after 9 o'clock. Schoolboy curling has caught on well with several of the older, experienced players available for instruction. Of the many bonspiels throughout the season the "really big one" is the Meredith-Connelly mixed 'spiel with entries from all over the district. Casual mixed curling on Saturday nights when ice is available is very popular here as it appears to be at all rinks.

COPPER CLIFF

This season the Copper Cliff Curling Club is host to the great annual N.O.C.A. bonspiel when an estimated 128 rinks will converge on the three major Sudbury curling rinks from January 24 to 27 inclusive. Copper Cliff's president Dan Kelly already has the machinery rolling for this one. Vice-president of the club is John McCreedy with Ron Heale as secretary. They are assisted by a host of representatives from plants and mines. Membership this season will possibly be the highest ever, 350 at time of writing and still rising. This of course includes shift curling which is a pretty big thing at this rink. Top events for the shift curlers are the Little Brier, Little Tankard and Waterbury trophy. The regular season has six events, first of which got underway at the end of October. The ladies started late in October too with president Mrs. Betty Boyd anticipating a very good season. "We have over 70 members now and could have 90 after Christmas," she said. The Copper Cliff Business Girls' league, which curls from 6 p.m. to 8 p.m. each Wednesday, has its highest membership too with over 70 gals registered to date, president Dorothy Purvis said.

SUDBURY

The Sudbury Curling Club also reports an increase in membership this season, due largely to an influx of new curlers. A. A. Duncan is president of that club with Jack Bizley vice-president and Alf Blair Sr. as secretary-treasurer. Wes Hart, one of the many Inco people curling there, is a member of the executive. Business Girls' curling three afternoons a week, ladies' curling three evenings from 6.15 to 8.15, schoolboys from Sheridan Tech and Nickel District Collegiate the other afternoons, along with the regular curling adds up to a full schedule. This club is unique in that it schedules only one draw nightly starting at 8.15, an attractive feature to many. The annual district Colts' bonspiel is sponsored by this club and the regular season consists of six events.

GRANITE

The Sudbury Granite Club is away to a good start with big, genial Fred Sheridan heading up the men's section and his wife Eleanor the ladies'. "Membership is up," declared Fred, "and this year we are introducing a new feature, a senior group. Only those admitting to at least 50 winters are eligible and they play every Wednesday night." The ladies use morning and afternoon ice time and mixed curling gets a big play at this rink. President Sheridan predicts that shortly there will be a mixed curling championship on a national scale, similar to the Brier. Schoolboy and schoolgirl curling are other popular features at this rink which boasts some of the best curlers in the district.

And of course at all clubs the Consoles playdowns will again be the most keenly followed event of the season.

So it's up and away for the "roarin'" game with the cry of "sweep!", the swish of brooms and the crash of rocks being the sweetest of music to hundreds of curlers across the Nickel Belt.

Adelmar Robitaille

Adelmar Robitaille, who retired on service pension after 20 years with the Company at Port Colborne, was born in Quebec in 1897. "I left school at an early age and started with the International Paper Company cutting pulp wood and for 30 years I worked in the bush." In 1943 he started with Inco as a process laborer in the nickel refinery, later moved to the



Mr. and Mrs. Robitaille

yard department, and in 1958 was assigned to the new changehouse which it has been his responsibility to keep clean and tidy.

In 1928 Adelmar married Lea Richard. Their daughters Flor-ette and Rose Marie are both at home.

At a presentation in the yard department, Adelmar received a purse of money from his work-mates as a token of their friendship and respect. Charlie Bridges was master of ceremonies and C. H. Ott thanked Adelmar for his 20 years' service on behalf of the management.

John Bahry

Retired from the Frood rock-house on early service pension, John Bahry had been a Frood man since 1935 but unfortunately broke his service in 1942.

Now living in Niagara Falls where his son Fred also resides, John plans to raise pigeons as a hobby, according to his daughter Mary of Sudbury. She is married to Walter Malone of Stobie. John married Annie Huska in 1932 and they are both very fond of their 11 grandchildren.

John came from the Ukraine in 1927 and worked right through to the west coast and back before settling at Parry Sound. He spent about five years in that area with the CPR before coming to Sudbury and a job at Frood. Starting in the timber yard he later worked as a steel sharpener and as a mechanic.

Before leaving for his new home John's family and friends staged a big farewell party in his honor and presented him with a well-stocked wallet.

A picture of Mr. and Mrs. Bahry appeared in last month's Family Album.

THE FRONT COVER

Elvi Mikkola, popular steno in the electrical department at Copper Cliff, makes a pretty picture to go with this story on the opening of the curling season in the Nickel Belt. She curls in the Copper Cliff Business Girls' league, and it's her second season at the game. If she's as good as she looks, sitting there in the hock, she ought to be a skip. Her husband Bob, works in the plate shop at Copper Cliff and her father, the late Nillo Makkela, was a Stobie miner.

Looks Like Big Booming Season For the Curlers

A survey of curling clubs in the Sudbury district indicates another roaring season for the besom brotherhood. Most clubs report increased membership, ice time at a premium, mixed curling gaining in popularity, and interest and enthusiasm at an all-time high.

One big reason for this boom is curling's sociability; another is the fact that the amount of fun has no direct relation to the skill of the player.

GARSON

At the Tam-O'-Shanter Club in Garson the three sheets of ice are hard pressed to accommodate the demands on their services. Vice-president Bob Lanktree told the Triangle they anticipate a combined membership, men and women, of at least 125 this season. In an effort to attract new curlers the annual membership is reduced by \$5 for the tyro. Schoolboy curling, ladies and mixed curling along with almost weekly bonspiels make for a tight schedule. Shift curling has been tried, Bob reports, but the results were not encouraging. Bart Cummings is club president with Len Atkinson as secretary-treasurer. First of the regular season's four events started on November 14.

CONISTON

Coniston curlers preceded their season's opener with a showing of the 1963 Macdonald Brier film and had one of the participants, Doug Gathercole's Copper Cliff rink, as guests. A warm-up bonspiel opened the season which includes five regular events, the big inter-plant 'spiel at the end of November.



GARSON Safety engineer at Garson for several years, Ted Flanagan has now been moved to Froid-Stobie in a similar capacity. Pictured with Ted are his wife Joyce and their nicely balanced family: Carol is 12, Nora, 10, Tommy, 7 and John 1½ years old. Ted is one of the district's better golfers.

INCO FAMILY ALBUM



THOMPSON Trevor and Madeleine Fregren and their sons, Chris 7 and Duncan 4, make a happy foursome. Mrs. Fregren is a gifted artist and her husband is assistant superintendent of the refinery. They came from Edmonton and resided for a short time in Port Colborne.



CONISTON Here are the Jean-Paul Cormiers of Coniston. The children are Jacques, 6, Yves, 4, and Romeo, 3. Mr. and Mrs. Cormier are both from New Brunswick but admit they now prefer living in the Sudbury district.



PORT COLBORNE Peter Schuringa has been a member of the security guard at the Nickel Refinery for 10 years. Here he is with his wife Greta and their daughters Carla, 16, and Maryke, 19.

FROID-STOBIE Gian Luigi Mior looks mighty happy here with his wife Vivian and their 14 month old pride and joy, Sandra. Gian Luigi is a driller on 1400 level at Stobie and wouldn't trade jobs with anybody.



COPPER CLIFF It was Janice's fourth birthday when the Triangle called to take this picture on October 18, and she proudly shared her birthday cake with brother Cameron, 7, and Mummy and Daddy. Her father is George Joyce of the Copper Cliff electrical gang. He was raised in Garson and lives in New Sudbury.



LEVAK This fine group is the Desormeaux family of Chelmsford. Sylvio is a welder at Levack. With him here are his wife Jeanine, daughters Jocelyn, 15, and Lorraine, 13, and sons Pierre, 11, Marcel, 7, and Gilles, 5.