

# INCO TRIANGLE

VOLUME 22

COPPER CLIFF, ONTARIO, APRIL, 1962

NUMBER 1



*Twist on Ice*

(Story on Page 14)



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

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Editorial Office, Copper Cliff, Ont.

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

## The Common Market

The effect of the European Common Market on International Nickel was discussed by the chairman of the Company, Mr. Wingate, at the annual meeting of the shareholders in Toronto.

The Common Market consists of six countries — France, West Germany, Italy, Belgium, the Netherlands and Luxembourg — and began operation three years ago. Its purpose, aside from its political implications, is to form these six nations into a single economic entity, with common economic policies and with free trade among the member nations and a common tariff applicable to all outsiders.

Comprising the industrial heart of continental Europe, the Common Market has a population almost 10 times that of Canada and nearly equal to that of the United States. It will become an even greater economic factor if it is joined by the United Kingdom and other non-member European nations.

Mr. Wingate said: "Our experience to date indicates, and most observers agree, that freedom of trade among the member nations and the removal of the overhang threat that rival industries will be artificially stimulated or protected on a purely national basis, will inspire a marked increase in industrial activity in the Common Market and a real and substantial increase in the standard of living."

"Many important enterprises from other parts of the world are building industrial facilities in Europe, confident that they can share in the opportunities presented and contribute to their development. This forward progress will mean a greater demand for nickel and for the other products which we produce. The economic growth within the Common Market, therefore, in and of itself, will have a direct and beneficial effect upon the business of this Company."

The chairman said that while tariffs would affect some of our products, the great bulk of primary nickel produced by Inco — electrolytic nickel, nickel pellets, and nickel oxide sinter — will enter the Common Market duty free. So also will our refined copper and our platinum metals.

If the United Kingdom joins the Common Market, the products of the Company's rolling mills in England and Scotland, which are in the course of expansion, would be duty free throughout all of the Common Market, as also would products of our refinery in Wales.

The Common Market, with free trade among the member nations

but with a common tariff applicable to outsiders, will have many favorable and some adverse effects upon International Nickel. Mr. Wingate was firmly of the belief that the balance is "decidedly" on the favorable side, particularly if the present negotiations between the United Kingdom and the Common Market authorities result in the United Kingdom becoming a member.

This favorable balance, the chairman said, is of special importance to us, "because our business and operations here in Canada and the employment that we provide can be perpetuated only if we are successful in marketing abroad the metals we produce."

"I Don't Think Any Other Country Can Compare With It."



"You are a very lucky and fortunate people. I fully believe you have chosen the best country in the world to live in. I don't think any other country can compare with it." These were the characteristic words of E. D. Wilkins, Q.C., to 145 new Canadians at a citizenship court in Sudbury. Recently retired as crown attorney after 32 years of service, during which he has assisted in the granting of Canadian citizenship to thousands of whom the majority have been Inco workers and their wives, Mr. Wilkins was invited by Judge J. M. Cooper to share the bench on this farewell occasion. Mrs. Kathleen Coates, justice of the peace, administered the oath of allegiance to the new citizens. Members of the IODE attended, and later entertained the new citizens at a reception. Also a typical part of the above scene is the Sudbury Star photographer, getting a picture of Judge Cooper and his special guest.

## New Nickel Alloys Major Break-Through In Steel Industry

A summary of scientific and engineering knowledge covering a revolutionary new family of nickel alloy steels was presented to the steel industry at Pittsburgh April 10 by The International Nickel Company at a seminar held at the Duquesne Club. Some 120 executives, research and sales engineers from 31 steel companies attended.

Representing a major scientific break-through, the new family of steels has unmatched toughness at

the highest strength levels of traditional alloy steels. The discovery, originally announced in March, 1961, was made by research scientists of the Development and Research Department of the International Nickel Company.

In his opening remarks, Dr. W. Steven, assistant vice-president of Inco, and manager of its development and research department, stated, "We were very happy to have, at quite an early stage, the help and encouragement of several steel producers in making and testing production-size heats. It is a pleasure to take this opportunity of thanking all those in the steel industry who have helped and

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# INCO FAMILY ALBUM

**FROOD:** A shaft inspector at Frood, Jim Kuz is pictured here with his wife Genevieve and the seven members of their family. Vickie is married to Ron Gregg of Creighton, Ray works at the Copper Refinery and Estelle in Sudbury. Herbert is in the navy while Irene 16, Dennis 10 and Debra 8 are all attending school.



Jim and Dorothy LeMarquand, whose home was previously Fort William, are now happy citizens of Thompson. Their children are Lois, 3, and Lorne, 5. Jim is a pipefitter in the refinery.



In this pleasant family group are Mr. and Mrs. John Rubocki of Fort Colborne, Ilona, 3, Paul, 12, and John the younger, 14. An Inco man for 20 years, John works with the bricklayers on furnace and building repair.



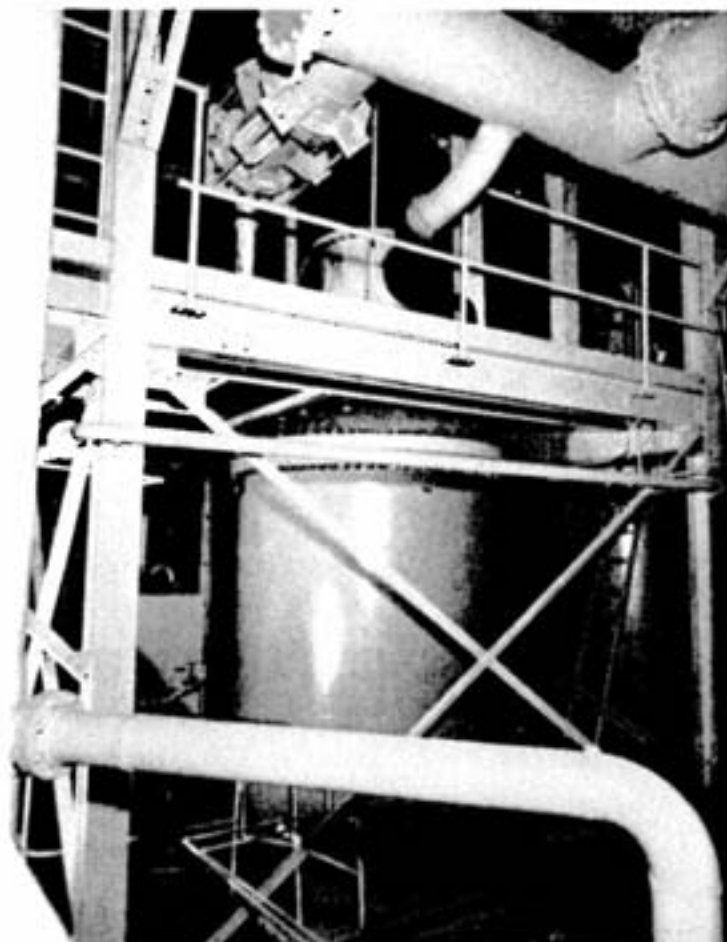
From Creighton we have Mr. and Mrs. Ira Grant and their young family. David is 10, Dennis 5 on April 4, Linda 3 and Sandra 7 months. A switchman at Creighton no. 5 shaft, Ira has been with Inco since 1948.



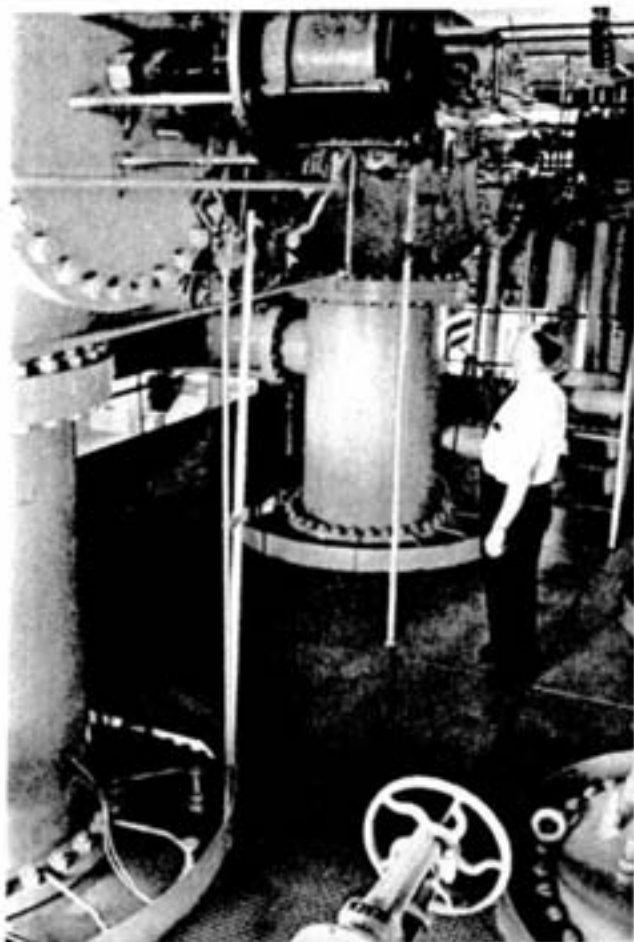
**ABOVE:** Here are Ken Hildebrand and his wife Doreen of Naughton, with their four bright and smiling children. It was Vaughn's 10th birthday the day this picture was taken (March 18) so his sisters Brenda, 8, and Jane, 8 months, along with young brother Kenny, 3, all helped him celebrate. An Incoite for 11 years, Ken works on the nickel converters at Copper Cliff.

**LEFT:** Popular long-time member of the Copper Cliff pay office staff and devout Toronto Argos disciple, Stan Uogic poses proudly here with his wife Rose Mary and their family. The youngest is Marybeth, 3, and the others are Lorne 7, Roseanne 9 and John 12. They live in Sudbury.





Temperatures hundreds of degrees below zero are involved in the liquefaction process at Inco's oxygen plant in Copper Cliff, in the production of vast quantities of oxygen required for flash smelting of copper concentrates. Since most ferrous metals suffer a marked increase in brittleness at sub-zero temperatures, the big tanks in the important regenerator-heat exchanger system were fabricated of 9% nickel steel. Two of these four tanks, in which air is cooled from 70 degrees to -290 degrees F, are shown in the above picture. The oxygen regenerator tanks measure



4 x 15 feet, and the nitrogen regenerators 8 x 17 feet. In the other photograph Herve Girouard, foreman, is shown observing the switching valves above the nitrogen regenerators, the tops of which are visible in the floor openings. Despite its size and intricacies, operation of this spotlessly clean plant is essentially automatic. Control and metering are carried out by modern electronic equipment, with over 40 control instruments centralized on a huge operating panel, the nerve centre of the plant.

## Excitement Centering Around 9 Pct Nickel Steel for Cryogenic Tanks

"Iron Age", a national weekly of the United States metalworking industries, reported in a recent issue:

"Builders of low temperature storage tanks for liquefied gas — cryogenic tanks — are in the unusually fortunate position these days of having a rush for their products. Growth has been spectacular. The tanks are revolutionizing the entire gas distribution industry and opening up lower cost volume usage to hundreds of metalworking and other plants.

"The most spectacular use so far for the tanks is at missile launching sites and bases where liquid oxygen for missiles is stored in huge double-walled tanks. These are so well insulated they hold the LOX at under its normal evaporation point of -297 degrees F for months under a boiling sun with only nominal pressure and no leakage.

"But the biggest, fastest-growing use is in industry where a 30-gal tank weighing 475 lb. filled, holds as much cubic gas as a dozen high-pressure heavy steel cylinders totalling 2700 lb. A single tank truck hauls as much gas as 10 truckloads of cylinders."

In the manufacture of these vessels, "Iron Age" states, "the most excitement is centering

around 9 pct nickel steel."

"Present output of 1000 to 5000 tons per year is a drop in the bucket. If railroad car, truck and ship transportation and pipelines catch on, 9 pct nickel demand could go out of sight."

"Nine pct nickel was invented in 1945 by International Nickel Co. which licenses producers royalty-free. According to Inco's T. N. Armstrong, product development manager of 'father of 9 pct nickel', it was first developed for corrosion resistance for heat exchanger towers for hydrocarbon research at Brownsville, Tex."

Readers of the Triangle may recall a feature story in the November, 1960 issue covering "Operation Cryogenics", a dramatic demonstration of the strength and toughness of 9 pct nickel steel storage vessels for liquefied gases at temperatures as low as -320 degrees F.

At that time Inco president J. Roy Gordon stated: "The science of cryogenics, involving the development and practical utilization of very low temperatures, has assumed major importance in industry, the home, and national defence. We believe that 9 pct nickel steel, developed in our laboratories, is one of the out-

standing new materials for the design engineers in this field."

Significantly lower cost and improved toughness are two of the most prominent advantages of this new nickel steel.

### Joseph Hazell

"I've threshed wheat there that was higher than the horses' backs and ran better than 60 bushels to the acre," declared Joseph Hazell

in describing his homesteading days in the Peace River district of Alberta.

A recent disability pensioner, Joe in his youth travelled this continent from the Mexican border to the far north.

He was born in Alberta. His family homesteaded there and on the Queen Charlotte Islands, off the northern part of the coast of British Columbia, before moving to Tennessee. Joe spent several years in Ohio, then hit for the

Peace River in 1930. He went back to the States for another three years, returned to Canada in 1939, and started at Inco in 1941.

He worked for a time on the reverberatory furnaces, then joined Hank Lattinville's mechanics in the Orford building and stayed with that crew until retirement. "A good gang to work with," was his comment.

A single man, Joe claims he never stopped long enough in one place to get married. "I left home when I was 13 and travelled until I came to Inco," he said.

A camp at Long Lake, fishing and a bit of prospecting keep life interesting for this new pensioner. "I'm building a house out in New Sudbury too," Joe said, "and I plan on putting up a couple more camps this summer."

### WHISTLER'S MOTHER

Whistler came home and found his mother on her hands and knees scrubbing the floor.

"Why, Mother!" he exclaimed, "have you gone off your rocker?"

Vacations aren't so hard to plan. Your boss tells you when and your wife tells you where.

## Record Advance Sale Greeted 12th Annual Spring Concert of Public Schools



A 55-piece orchestra and a 75-voice choir, representative of Sudbury's 21 public schools were featured in the 12th annual spring concert on April 13 and 14 in the Prince Charles School auditorium. Piano, clarinet, flute, and piano accordion solos filled out the excellent program, which drew prolonged applause from overflow audiences at both performances. The advance ticket sale of 1,000 was by far the biggest in the history of this splendid attraction that culminates a solid winter's

work by the young musicians. Pictured above is the orchestra in rehearsal, and, on the right, a French Horn's view of the public schools' enthusiastic musical director, Emil First, who is already laying the groundwork for a 1000-voice choir and a 100-piece orchestra from the schools for a concert in the Arena to celebrate Canada's Centennial in 1967.

### Siivo Sarlin

Siivo Sarlin is the man who grew a couple of dozen fine maple trees from seed, trimmed and treated them with such care that in their 13th year they make a handsome windbreak around his Copper Cliff home.

Retired now from the roasters at Copper Cliff on disability pension Siivo, or Herman as he is better known, plans this year to dress up his windbreak with concrete curbs. A man who takes his own ailments lightly, Herman keeps busy each day both inside and outside his home. He rigged up a special shoulder strap to enable him to shovel snow; his housekeeping prowess is the envy of any woman who enters his home. His wife, whom he married in 1933, died in 1949, and he has kept house since that time.

He has a son Karl in Montreal, daughters June in Toronto and Ella (Mrs. B. Mantyla) in Sudbury, and two grandchildren.

Born in 1906 on a farm in Finland, he came to Canada in 1928, and after a winter in the bush near Godbout, Quebec, came to Sudbury. He started in the reverb furnace department at Copper Cliff in 1929, spent 13 years as a furnaceman, five years at the brickshed, worked in the coal plant, and during the past 13 years was on M floor of the roasters.

Motor travel is one of Herman's chief pleasures and this summer he has several trips planned. A visit to Finland is also a possibility.

### Otto Pitkanen

A timberman on construction work at Froid the dozen years before his retirement on service pension, Otto Pitkanen is another of those quiet-spoken, capable Finns



Here are closeups of some of the orchestra at rehearsal. In the bank of violinists on the left, busy with the melodic strains of the Capicola Waltz, are, from the front, Brenda Housego, and Irene Rybsky, Charyl Danyluk and Nancy Beach, Taras Kobuziak and Ricky Eles, Janet Mellor. Pictures on the right show Donald Pelouquin of McLeod Road School and his violin, and Randy McNaughton, Churchill School, and his cornet.



who have contributed so much to the development of Inco mines. He worked on most of the recent big underground excavation jobs at Froid, and his reliability was unquestioned as his timbering skill.

Otto's looks belie the 65 winters his birth certificate says he has weathered. "I like retirement," he said. "I feel good and enjoy taking things easy." Walking and reading are his favorite pastimes.

A telephone mechanic in Finland, he came to Canada in 1928, spent a winter in the bush near Cochrane, then landed in Toronto at the start of the depression in 1929. He worked there at odd jobs,



Mr. and Mrs. Pitkanen

mostly painting and decorating, until 1935 when his wife's sister suggested they come to Sudbury.

He worked 14 years in stopes and pillars on 2000 level at Froid before joining the construction gang.

His marriage to Olga Williams took place in 1931. A happier, and more compatible couple would be hard to find.

Otto is soon to make his first trip back to Finland. "My mother died a few years ago and I have to settle up some property." But apart from that he has no desire to stir very far from his own hearth or from the city of Sudbury.

No matter what the season is, it always seems to come at the wrong time of the year.



"We'll think of you often. We hope you'll think of us, and our door will always be open to you in our new home," said R. H. Waddington, speaking for himself and his wife. With them, in the picture on the left, are Mr. and Mrs. T. M. Gaetz. Below, they pose happily with the gifts presented to them.



Michael Dudowich

## The Waddington's Farewelled

On the eve of their departure for New York, where they will make their new home, Mr. and Mrs. Ralph H. Waddington were given a warmly affectionate farewell at a colorful reception at the Cliff Club.

The gathering of 300, which would have been twice or three times as large had there been room, was fully representative of the Nickel District in which this distinguished, popular couple are known and admired for their friendliness, charm, and leadership.

Older residents, many of them from the ranks of the Inco pensioners, joined with their successors in the active life of this vibrant community to thank the

Waddingtons for their outstanding contribution during the past 27 years.

Mr. and Mrs. Waddington were assisted in receiving the guests by Mr. and Mrs. F. Benard and Mr. and Mrs. T. M. Gaetz.

Mr. Gaetz, who has succeeded Mr. Waddington as general manager of Inco's Ontario division, was chairman of the informal program during which sincere tributes were paid to the departing vice-president and his wife.

It was particularly fitting that the presentation of farewell gifts was made by W. R. Koth, a close associate during Mr. Waddington's 17 years at the copper refinery, who has since succeeded him as man-



Some of the servers, Mrs. M. E. Luck, Mrs. R. R. Taylor, Mrs. T. H. Peters, Mrs. J. H. Borland. Pouring coffee is Mrs. W. B. Plaunt, Sr., and arranging cups is Mrs. K. Ferguson of the club staff.



Ralph D. Parker came from Toronto to express the Company's appreciation of the Waddingtons.



Among the guests: J. C. Ferguson, Mrs. T. M. Gaetz, Mrs. Ferguson, and A. Godfrey; H. R. Elves, Mrs. D. R. deVletter, T. H. Peters and Mrs. J. A. Pigott. BELOW: Mr. and Mrs. F. Benard, Mrs. E. L. Healy and Mrs. R. C. Mott, Mr. and Mrs. Harry Smith with Mr. Waddington, and Mrs. W. E. Gillespie and Mrs. H. J. Mutz.







Mrs. A. Godfrey, Mrs. N. A. Creet  
ager of the copper refining  
division.

Their gifts were a pair of mother-of-pearl opera glasses and an unusually fine specimen of native Canadian art, soapstone carving of an otter by one of the original Eskimo sculptors whose work has come into such great demand.

Among the congratulatory telegrams was a greeting from the manager of the nickel refining division, J. Howard Tuck, on behalf of old friends and associates at Port Colborne, where Ralph Waddington got his start with the Company in 1923 as a chemist, and became assistant superintendent of the electrolytic nickel refining department in 1926. It was in Port Colborne that he married Jane Freeman, whose father had been transferred to the staff there from the Company's works at Bayonne, N.J., where she was born.

They moved to Sudbury in 1935 when Mr. Waddington was appointed assistant superintendent of the copper refinery, and to Copper Cliff in the fall of 1952 on his appointment as assistant to the vice-president. He became assistant vice-president and general manager of the Ontario division in 1958, and was elected a vice-president of the Company in April, 1960, at the first meeting of the directors to be held in Winnipeg.

He was born in Leicester, England, and came with his family to Lethbridge, Alberta, in 1907. He graduated from Queen's University with the degree of B.Sc. in metallurgical engineering.

Senior vice-president Ralph D. Parker, in his remarks, said it was a source of great satisfaction for all to see another Canadian prove of the calibre needed in the top echelon of the Company's officers in charge of its vast international program of activities. "I am sure he has great pleasure when he reflects on the work he has done here, and the people he has brought along. I know he leaves his duties in good hands. We are proud and glad to say he and his wife are our friends."

Former superintendent of the copper refinery who became assistant general manager and assistant to the vice-president, F. Benard spoke briefly: "For 27 years Ralph and I have worked as a team. I believe we made a pretty good go of it. I am going to miss him sincerely."

"He will take his place easily among the Winkates, Gordons, Thompsons, Parkers and others," said general manager T. M. Gaetz in referring to Mr. Waddington's move to the Company's New York



On the left, Mrs. F. Benard and Mrs. A. J. Pianosi, Mr. and Mrs. A. Massey. On the right, another of the serving tables with Mrs. G. M. Miller pouring for Mrs. W. Curlook, Mrs. C. A. Young, and Mrs. J. McCreedy.



A. D. Crossgrove, G. A. Frame, J. N. Metcalfe, S. Merla, and W. H. Armstrong.



Dr. C. P. Jessop, Mrs. G. Morrison, Mrs. R. P. Crawford, Mrs. R. G. Dow, the wife of the mayor of Copper Cliff, and Mrs. B. M. Forsythe.

offices. After a career of solid achievement in the Canadian operations. "During his tenure in Copper Cliff he has had to sail the ship in some pretty choppy waters, and he has always navigated in a fine way with excellent direction."

Mr. Gaetz referred to Mr. Waddington's dedicated interest in community affairs and his strong personal support of many worth-

while projects. He quoted a recent remark by an Inco man: "In 39 years with International Nickel Ralph Waddington has gained the admiration and full respect of every employee in the place." He spoke of Mrs. Waddington's many fine qualities, citing her friendship, generosity, and helpfulness to all, and her graciousness in her home. "We appreciate the gifts more

than any words I could say," Mr. Waddington told the gathering. "We appreciate your friendship, and your warm kindness given us so generously since we have been here." He spoke of "the challenge of change" as an essential factor in a company such as Inco, and said, "Now I have a fresh challenge... I hope I can meet it with confidence and ability."



They received trophies and prizes at the annual stag of the Copper Cliff Curling Club: (1) Winners of the Toronto-Dominion trophy, Jackie Hall, skip, Mike Sharko, Ed Gatien, Gus MacKinnon. (2) Winners of the Single Rink trophy, Fred Pilatzkem, skip, George Howe, Al Demkiw.



Hewitt Norteman; (3) Winners of the J. R. Gordon trophy, George Howe, Howard Graham, Richard Gallagher (not shown, skip Steve Kuzmaski).



## Snappy Stag Winds Up Copper Cliff Curling

A name associated with the earliest days of curling in Copper Cliff heads the list of officers for the 1962-63 season. Carrying on the connection established way back by his late father, Dan Kelly is the new president of the Copper Cliff Curling Club.

He succeeded J. A. Pigott in the executive chair. Other members of the new executive are John McCreedy, vice-president, Alvin Nickle, secretary, Ron Heale, assistant secretary, and the following committee chairmen: Norman Ripley, ice, Don Fraser, house, Alex Illis, competition and prizes.

Plant representatives were named as follows: Frood, Ted Goddard; Creighton, Harvey Bangle; Mines, Bill Taylor; Mechanical, Jim Metcalf; Electrical, Ed Mitchell; Smelter, Pete Duffy; Mill, Milt Brooks; Refinery, Ernie Rabeau; General, Harold Borland; General Office, Jack Holloway; Copper Cliff, Mac Canapini; Shift, Hugh Allan, Jack O'Riordan.

An increase of 18 in the membership of the men's section, more activity in the schoolboy curling division, and the outstanding



Pat Hickey, vice-skip on the Caesar Giardini rink, received the Waterbury trophy.

Mike Sharko was presented with the Colts event trophy, in which he skipped the winner.



achievement of the Doug Gathercole rink in winning both the NOCA grand aggregate and the post-season bonspiel, were highlights of a successful season reviewed by the retiring president at the annual club stag held in the Canadian Legion Hall.

Presentation of the seven club trophies to the victors, along with handsome individual prizes, and prizes also to the runners-up in each event, was conducted as follows:

**J. R. GORDON** — Steve Kuzmaski, George Howe, Howard Graham and Richard Gallagher; Bob Upton, Art Romanick, Tony Fell-

baum and Joe Lapointe.

**SINGLE RINK** — Fred Pilatzkem, George Howe, Al Demkiw and Hewitt Norteman; Arnold Boyd, Ernie Hooge, Al Brownlee and Lloyd King.

**INTER-RINK** — Hughie Allan, Joe McLaughlin, Joe Lapointe and Percy Oddy; Jackie Hall, Moose McQuarrie, Chic McDonald and Ed Carmichael.

**CONSOLS (Club Championship)** — Don Harry, Morley Henry, Jim Blackport and Larry Martel; John McCreedy, Jim Dewey, Frank McAteer and Bob Ludgate.

**COLTS** — Mike Sharko, Ed Gatien, Gus MacKinnon and

Jackie Hall; Moose McQuarrie, Larry Martel, Cec Dennis and Rusty Dubery.

**TORONTO-DOMINION** — Jackie Hall, Mike Sharko, Ed Gatien and Gus MacKinnon; Don Harry, Morley Harry, Jim Blackport and Hewitt Norteman.

**WATERBURY** — Caesar Giardini, Pat Hickey, Jack Gladstone and Bill Nelan; Cap Capstick, Cec Bryant, Al Clarke and Ed Skowran.

**C. W. NUTE (Schoolboys)** — Stewart Wright, J. Elliot, D. Sargent, R. Gray, F. Wilson, P. Wilson, B. Beaver, F. Scanlon.

Tom Moland, Pete Ripley, Wright and Fred Silver comprised the rink which represented the club in Sudbury district schoolboy play-downs.

## Nickel-Cadmium Batteries

Nickel-cadmium batteries are now being produced in large quantities. These batteries, which provide long-life dependable sources of power, are used in such consumer products as electric shavers, portable drills and flashlights. They can be recharged merely by plugging them into a regular electrical receptacle.

The husband who tries to pull the wool over his wife's eyes should be careful not to use the wrong yarn.



## Win Gaetz Trophy

In her first season's curling in the Copper Cliff business girls' league, Jessie Lee skipped the championship rink. Here they are with the T. M. Gaetz trophy, Mrs. Lee, Delma Palmaro, Roberta Kowch, and Anne deKever. Behind them is the league president, Margaret Nicholson. Fourteen teams played the schedule, which wound up with a dinner at the Copper Cliff Curling Club.



## Proud Dads, Lads

Three proud dads, Red Rennette, Rocky Blackwell, and Sergeant Jerry Minard, pose with their three pleased sons, Tony, David, and Brian, at the annual father-and-son banquet of the Creighton Scouts and Cubs. The mothers of the boys served a delicious turkey spread to 120. Proficiency badges were distributed at the banquet by Jim Martel, secretary-treasurer of the Boy Scout Committee, of which E. E. Mumford is president. Cubmaster is Maurice Dennie, and the new Scoutmaster is Vic Gutjahr, succeeding Ross Smith who has been appointed a district scoutmaster.



## George Kuzniar

Back in the days when young Jim Kuzniar was a red-hot infielder in the exciting Nickel Belt Baseball League — now defunct — two of his most ardent fans were his mother and father. A long-time Frood miner now retired on service pension, George Kuzniar is still a ball fan who regrets the local passing of that fine summer sport.

The Kuzniars are very proud of their three sons, as well they might be. All university graduates, Edward the eldest is engaged in missile work in California, Chester with an electrical concern in Hamilton, and Jim as an electrical assistant at Copper Cliff.

Chester worked for a time at Inco during his summer vacations and George recalls having him as his partner one year driving gangway on 1600 level at Frood. Ed was born in the States, Chester in Poland, and Jim in Sudbury. Mrs. Kuzniar was formerly Mary Kobylarz and they were married in 1918.

George is as chipper and healthy today as many men 20 years younger, but statistics say he was born 65 years ago in Poland. Emigrating to West Virginia in 1913 he worked for eight years in a tin plate mill.



Mr. and Mrs. Kuzniar

Returning to the old country in 1921 the Kuzniars bought a farm, but five years of endless work convinced them they were not farmers, so in 1926 they set out for Canada.

First in Winnipeg, George then came to Sudbury where he helped build the Mackey block and the water tower at Frood village before starting with Mond at Frood No. 4 shaft. Laid off the same year he worked at Errington mine through to 1928, then joined Inco at Frood No. 3 shaft.

"I helped cut shaft stations, then drove the main crosscut on 2800," he recalled. He also remembered raising No. 1 shaft from 2800 to 2600 — "Six stopers going in there, that was a wet and noisy place." He later drove drifts, raises and ore passes, worked many years as pillar leader, and spent the last seven years with the sandfill gang. He broke his service in 1931 and came back in 1933.

A happy couple who are obviously going to enjoy to the full their well-earned leisure, the Kuzniars are planning on moving to southern Ontario and doing more traveling.

On his last shift at the mine his many friends presented George with a memento of his work: a sandfillman's wrench, mounted on a shield which also held the en-

## Copper Cliff Takes Port Colborne By One Goal



By the margin of just one goal Copper Cliff took the measure of Port Colborne in their annual North-South duel for the all-Inco shift hockey championship. The final score was 7-6 after a fast, hard-checking but clean end-to-end battle at Stanley Stadium that had both spectators and players on the ropes when it was over. Above is Harry Ryder's all-star Copper Cliff squad: back row, Gerry Pinard (converters), Wayne Laframboise (roasters), Dennis McChesney (electrical), Bill Dorosh (electrical), Larry Mulligan (electrical), K. Thibault (converters), Fern Theriault (converters), Frank Trudeau (reverbs), H. Linley (roasters); front row, Gerry Laframboise (converters), Norm Irwin (electrical), Neil Bray (converters), Peppi Heilstrom (electrical), Gerry Dankort (roasters), Don Burden (electrical) and Maurice Grenon (roasters).



This was the powerful lineup Odie Roy brought up from Port Colborne: back row, Paul Weldon (research), Jim McCoy (electrolytic), Bob Kuipers (shears), Doug Hart (anode), Roy Huffman (electrolytic), Allan Brown (anode), Cliff Robins (leaching, calcining, sintering); front row, Odie Roy (shops), Mike Green (electrolytic), Wayne Schooley (anode), Doug Robins (anode), Gary Schooley (anode), Howard Robins (leaching, calcining, sintering), Doug Robins (electrolytic).

graved names of his many friends in the gang and 36 silver dollars. Romeo Houle arranged this novel gift.

### ADVICE ON NICKEL

International Nickel maintains information centres around the world to give technical assistance to local industry and keep users abreast of the latest developments in the field of nickel research.

The first grade teacher took one look at Wilmer and knew he was going to give her trouble. But when she started to explain arithmetic to her class, she was pleased to see he was paying close attention. When she had done several problems, she asked: "Are there any questions?"

"Yes," said Wilmer, "where do them little numbers go when you rub them out?"



The Copper Cliff goalie, Peppi Heilstrom, dives frantically for the puck as it slowly slides into the cage.



Surrounded by a group of his Frood workmates, Enrich Brinjak received a good-luck handshake and a wallet from assistant mine superintendent Gar Green while shift boss Bob Brydges stood by to present Enrich with his nipper's timberdog which the boys had spirited away and got nickel-plated and mounted on a plaque.

## Reverb Rebels Are Shift Hockey Champions



REVERB REBELS: Back row left to right: Ben Gaurreau (coach), Jim McGregor, Norm Urwin, Ed Lacoste, Ray Gouin, John Stacknik, Ron Pitre, Dale Roberts and Frank Trudeau. Front row left to right: Don Lavoie, Moe Correll, Eugene Kitty, Neil Bray (captain) and Gary Amyotte.



ELECTRICAL: Back row: Don Burden, Nicke Mulligan, Bob Robertson, Red Gareau, Red Hay, Gil Benoit and Winston Spencer. Front row: Ken Nadjiwan, Len McChesney, Pat Ellstrom, Bill Dorosh, Pat Thompson. Coach was Larry Napran, not in the picture.

"One of the cleanest leagues I've played in," was Gil Benoit's comment. "We had a lot of fun, played quite a bit of hockey and nobody got hurt." He was referring to the Copper Cliff Athletic Association shift hockey league.

Veteran league convener Harry Rider echoed Gil's remarks. His only complaint was the lack of moral support from the membership. "Only the players seem to be interested. It would be a lot better league if the fellows in the plant would get behind their teams. These boys are playing darn good

hockey and the games are well worth watching."

In the best two-out-of-three final series Eastwood's Reverb Rebels took Electrical in two straight, the first by a score of 11 to 4 and the final game 4 to 2. In the semifinals the Reverbs had beaten out the Converters while Electrical were knocking off the Roasters. Iron Ore Plant and Creighton were the other members of this six-team league. Last year Creighton won the championship in its first year in that league.

## Enrich Brinjak

A nipper underground at Frood for more than 25 years, Enrich Brinjak has retired on service pension. Starting in 1935 he worked as drift mucker on 1200 level at Frood and in the stopes a short time before going over to the nippers on 12 to 8 shift.

That indispensable tool of any nipper, the timberdog, was so much a part of Enrich at work that the boys made him a present of one, all polished and shining, before he left the mine. In the accompanying picture Gar Green and Bob Brydges are seen making the presentation, along with a purse of money, surrounded by a number of Enrich's workmates.

Coming to Canada from his native Croatia in 1926, he worked out West two years before heading for Toronto. During the depression he farmed near Cooksville and worked in a quarry at Georgetown. "I liked that part of the country," he said.

From his marriage in 1920 to Barbara Yagocich were born a son Peter, now in Toronto, a daughter Agathe who is married and lives in the old country, another daughter Mary (Mrs. S. Mloski of Schumacher). They have 11 fine grandchildren and one great-grandchild.

While no big-time speculator,

Enrich does know his penny stocks and gets a lot of pleasure, and some profit, from playing the market. "I spend lots of time at the stockbroker's," he grinned "and meet many friends there."

Apart from his daily trips to the broker's, Enrich lives a quiet life watching TV and in summer enjoying a bit of gardening.

## "Of Symbolic Significance"

Henry B. Winzate, Chairman of the Board, at Inco's annual meeting, Toronto, April 18.

On the same day that our 1961 Annual Report went to press, and with much of the world on watch, a free world astronaut was rocketed into space. He orbited the earth three times, re-entered the atmosphere and was recovered.

This coincidence has symbolic significance for the shareholders of International Nickel gathered here today at this Annual Meeting. For the American Mercury Project dramatizes, in a way, the new role for nickel created by modern science. The skin of the capsule which carried Colonel Glenn through space and became red hot on re-entering the atmosphere was made of a heat-resistant high-nickel alloy. The Atlas rocket that launched the astronaut was sheathed with nickel stainless steel less than 1.25th of an inch thick, and nickel tubing formed the walls of the thrust chamber in the rocket engines. The era we are entering will make spectacular and heavy demands for materials to be exposed to extremes of temperatures and stresses. For us it is an era of promise because of the unique qualities present in nickel and in nickel alloys, and of our ability as a Company to assist the industries of the world in solving their rapidly changing materials problems.

## SCOTCH ON THE ROCKS

McPherson had invited his friend McTavish to have a drink.

"Say when," McPherson said as he began to pour slowly. McTavish was silent. McPherson poured a drop at a time but still McTavish said nothing.

"Did you hear about the big fire at Scotty's?" McPherson asked.

"When?" asked McTavish.

McPherson put down the bottle with a sigh of relief.

## At the Source

Two of the top men in the public relations activities of the Company, Frederick F. Wood, assistant to the vice-president, New York, and Louis F. Denaro, general manager of publicity, Inco-Mond, London, last month toured the operations in the Sudbury district and at Port Colborne, and took part in conferences at the Toronto and New York offices. This picture shows them at Frood mine, getting lamps for a trip underground with superintendent of mines John McCreedy. Mr. Denaro (facing camera) succeeded A. C. Sturmy on the latter's election as a director of Inco-Mond after a long and highly successful career as general manager of publicity.







Dr. Hazelwood's interest, outside the regular demands of his profession, has for years been largely devoted to the assistance of handicapped youngsters through orthopedic surgery and therapy. Here he is shown in the Sudbury District Crippled Children's Treatment Centre at Sudbury General Hospital with two of his young friends, Danny Marcotte, son of Mr. and Mrs. Leo Marcotte, and Junior Casserly, son of Mr. and Mrs. Bernard Casserly.

## Dr. B. F. Hazelwood Is New Chief Surgeon

Dr. B. F. Hazelwood of Copper Cliff will succeed Dr. H. P. Mowat as chief surgeon when the latter retires on May 12 after more than 25 years' service with the Company.

The new chief surgeon joined the Inco medical staff at the Copper Cliff Hospital in 1941. He had worked there on summer staff relief in 1939.

He held the rank of squadron leader surgical consultant in the RCAF from 1944 to 1946 and served at several stations across Canada.

Ever since his arrival in the Sudbury District he has been closely associated with crippled children's work. He is medical director of the Sudbury District Crippled Children's Treatment Centre, and of the St. John Ambulance Brigade. He is also on the medical advisory committee of the Ontario Society for Crippled Children.

Son of a surgeon, Dr. Brenton Frederick Hazelwood graduated in medicine from the University of Toronto in 1936, interned and did post graduate work in surgery at the Toronto General Hospital, and then completed further post graduate studies in orthopedic surgery at the Hospital for Sick Children.

In 1944 he was certified in general surgery by the Royal College of Surgeons (Canada).

Born in Bowmanville, Dr. Hazelwood attended school there and in Oshawa.

He was married in 1938 and has two children, Brent, attending

Calvin College at Grand Rapids, Michigan, and Barbara, at Copper Cliff High School. The family have a summer camp at Long Lake.

Dr. Hazelwood was appointed Sudbury District Coroner in July, 1958.

He is a director of the Sudbury Rotary Club, an executive member of the Copper Cliff Figure Skating Club, and an official judge of the Canadian Figure Skating Association.

## Portrait of Nickel



George Hunter of Toronto, the celebrated photographer of the industrial scene, recently made a "portrait of nickel" at the Port Colborne refinery. The series of pictures will be used in a new catalogue. Here he is setting his lens for a closeup of pure electrolytic nickel. He recently returned from an extensive camera coverage of the Far East.

## A Wise Motto: "Let George Do It"



How to add an extra dimension to easy living is demonstrated by the attractive recreation room George Trezise has just completed in his home at Lively.

George, his wife, Gloria, eight-year-old Karen, and Billy, 14, are pictured here enjoying an evening of TV in this pleasant setting.

A carpenter at Copper Cliff, George admits he was somewhat reluctant to begin the job — "My wife kept at me, though," he grinned — but now is more than pleased with the results. "We're getting good returns from this investment," he said.

The room is approximately 12 x 24 feet. All pipes have been concealed by acoustical tile on the ceiling, with vinyl tile laid directly on top of the concrete for flooring. Walls were strapped with 2 x 2 up-rights and covered with aluminum foil before the butternut hard-board was installed in 4 x 8-foot sheets.

At the opposite end of the room to that shown in the picture George built a room-wide cupboard, table-high with formica top and space-saving sliding doors. One section is reserved for Mrs. Trezise's hobby, aluminum etching and copper tooling. Two examples of her artistic work may be seen on the wall behind George.

"I have lots of people offering me jobs like this," George said, "but I'm not too fussy about working nights. I like to curl and bowl, which takes two or three nights a week and in summer we are at our camp at Fairbanks Lake."

Both George and his wife are agreeably surprised at how much use they make of the room, and the ease with which it can be kept clean. "Walls and floor are just waxed and wiped, and spills are simply wiped up," smiled Mrs. Trezise. "This kind of house-keeping I can enjoy."

## Thompson's Huge Merchandising Mart



Over 96,000 square feet under one roof makes Thompson's shopping plaza one of Canada's outstanding merchandising marts. Picture shows a small section of the huge shopateria.

## SECOND TAKE

It was a magical moonlight night. She said rapturously: "Will you love me when I'm old?" "Love you?" he replied. "I shall always love you. I shall idolize you. I shall always worship the

ground under your little feet. I shall always — say, you aren't going to look like your mother, are you?"

The man who rows a boat doesn't have time to rock it.



## Waiting for Thompson



In the supervision office at Thompson mine the underground superintendent, Ed McIvor (left) discusses the day's program with general foremen Lucien Villeneuve and Jess Watkinson. In the big warm room there's a low relaxed murmur of conversation, punctuated here and there by chuckles and laughs at the punch line of a story, as the shift await their turns in the cage to go down to their working places.



## Thompson Shows What It Can Do

Inco's Thompson operations went "over the top" in the first quarter of 1962.

"I bring you special news of present and future importance about our production of nickel in Manitoba," the chairman of the Company, Henry S. Wingate, said in addressing the annual meeting of the shareholders at Toronto on April 18.

"For the first quarter production exceeded the planned capacity of the facilities by 20 per cent."

"Our ability to lift our Manitoba capacity from its planned annual capacity of 75,000,000 pounds to an actual output of over 90,000,000 pounds and, if demand requires, to bring our combined Ontario and Manitoba production to 400,000,000 pounds, has now been demonstrated."

The matrimonial knot holds tighter when children put a strain on it.

More exasperating than a wife who can cook but won't is a wife who can't cook and will.

### IRIDIUM

Iridium, one of the platinum group metals which is used principally as a hardener for platinum, is about eight times heavier than magnesium.

### NO HOME RUM

A famous high school baseball player was baby sitting when he ran into a crisis. He frantically phoned home and asked his mother for advice. She told him:

"First, place the diaper in the position of a baseball diamond with you at bat. Fold second base over home plate. Place baby on pitcher's mound. Then pin first and third to home plate."

### TEXAS BULL

The outspoken Texan was watching his first bull fight. Time after time the matador spread his cape in front of the charging bull, only to sweep it around him as the bull swept past. The Texan couldn't stand it any more.

"Say Bud," he yelled, "He ain't never going to run into that sack unless you hold it still."

Your credit is always good when you start to borrow trouble.



(1) The Robert Brown trophy was presented by Mr. Betty Kerr to Mrs. Ev Hostrower (skip), Mrs. Mary Pritchard, Mrs. Iona Rahala and Mrs. Julie Cleary. (2) Bill Darrach presented the Darrach memorial trophy to Mrs. Florence McIntyre (skip), Mrs. Phyllis Duncan, Mrs. Helen Goddard and Mrs. Bert Dubery. (3) Bill Jessup presented his own trophy

to Mrs. Ev Hostrower the vice-skip seen on his left. Standing in for the missing team members (Mrs. Gerry Pappin, Mrs. Frances Souch, Mrs. Sheila Brownlee) were the 1961 club president, Mrs. Edith Harkins, and the past president, Mrs. Doris Taylor.

## Lady Curlers Honor 'Old Bill'

Winding up what was declared their biggest and best year yet, members of the Copper Cliff Ladies' Curling Club had a real ball at their annual banquet held in the curling rink.

Good food, good fun, prizes, trophies and a new executive rounded out the menu with the evening's highlight the pleasant task of paying tribute to that Copper Cliff indestructible, the ageless Bill Jessup who, along with the late Bill Darrach, helped organize the ladies' club back in 1947.

Mrs. Muriel Byers made the presentation to Bill of a lamp and chair modestly admitted to being the oldest active curler in the club, and named Bill the oldest retired curler. "We're both from Eganville and we're both Irish," she related how the two Bills, on those Wednesday afternoons 15 years ago, took the time to show the girls how to throw rocks and sweep, and then helped them organize the club.

"We started with two rinks," Mrs. Byers said, "and when we held our first bonspiel in 1949 Bill Jessup put up his trophy."

This past year the club had 80 members, retiring president Mrs. Edith Harkins announced as she handed over the gavel to the incoming president, Mrs. Betty Burchell.

## Earth, My Friend

Helen Harrington in the New York Times.  
I have not doubted you, Earth! I  
have been  
sure you would green your trees  
in Spring,  
crimson them in Autumn, sing  
in Summer, with birds I have  
trusted you when  
the rose wilted and snow  
covered you.

I knew  
you would come through!  
I will go along,  
always, I guess, confident,  
admiring your accomplishment  
of seasons: the toad  
adjusting to the stone, the minnow  
to ice, the fox to the wild flow  
of stream. Change is no episode  
of disaster, to you, my friend.

Earth; but a way  
of enduring that, if I attend  
carefully, I may  
participate in more fully, and  
more fully understand.



Relaxing in the easy chair just presented to him, and surrounded by a bevy of charmers, Bill Jessup is as happy and contented as a frog in a pond. The ladies pictured here are the first rink to win the Jessup trophy in 1949, plus members of the club's first executive. Standing are Mrs. Jessie Browne, Mrs. Clara Tuttle and Mrs. Eileen Johnson of the winning rink, Mrs. Betty Boyd, first secretary, Mrs. Betty Hazelden, president. On the left of Bill is Mrs. Ginger Fitzgerald, treasurer, and on the right Mrs. Muriel Byers, who made the presentation to Bill. Other member of the 1949 rink was Mrs. Lella Duncan.

RIGHT: The Copper Cliff Legion trophy was presented by Norm Ripley to Mrs. Betty Boyd (skip), Mrs. Muriel Byers and Mrs. Verlie Umpherson. The absent member was Mrs. Sheila Brownlee. Bob Marcotte congratulated the winners of the Copper Cliff Jewellers' trophy. From the left are Mrs. Doris Taylor (skip), Mrs. Ev Hostrower and Mrs. Bea McDonagh. Mrs. Grace Rutherford was the other member.



At a mess dinner of the Sudbury garrison, held at the Copper Cliff Legion Hall, Colonel R. A. Campbell of Ottawa, director of electrical and mechanical engineering for the Canadian Army, is shown above presenting to J. A. Pigott the scroll signed by the Governor-General commissioning him honorary lieutenant-colonel of 33rd Technical Squadron, RCEME, Sudbury. Lieut.-Col. Pigott was then given the traditional rousing reception by the gathering of 100 officers. Also above Lieut.-Col. Carl L. Wilson, former commanding officer of Sudbury 58th LAA Regiment, RCA, admires the regimental sword presented by the unit's retiring Honorary Lieutenant-Colonel E. D. Wilkins, ED (left); at right is Lieut.-Col. E. H. Capstick, the regiment's present commanding officer.



Alfred Digby, assistant professional, has picked off a couple of Creighton cuties here in Melanie Vagnini and Louise Grottoff, both 2½ and stars in their own right at Copper Cliff Skating Club's annual carnival. The trio of graceful young charmers on the right, costumed for the Salute to the Armed Forces number, are Paulette Beauchamp, Barbara Vagnini, and Pauline Tuuri. In our FRONT COVER picture, also made by Rene T. Dionne, the four attractive skaters putting the twist "on ice" are Dianne Capstick, Pauline Rutenberg, Susan McCarthy, and Glenda Ristimaki, all of Copper Cliff.



## COPPER CLIFF SKATING CLUB CELEBRATES ITS 25TH YEAR

With a brilliantly successful "silver anniversary revue" the Copper Cliff Skating Club celebrated a quarter century of service to the community through graceful recreation and entertainment.

Stanley Stadium was decked out in gala attire for this historic milestone of one of the oldest figure

skating clubs in northern Ontario. The big attendance at both performances delighted the sponsors and made the skaters feel that their long hours of practice and rehearsal had been worthwhile.

Mrs. Joyce Salo McKenzie, the senior club pro, Mrs. Dorothy McCarthy, club pro, and Alfred Digby,

assistant pro, had every reason to be proud of their production, which was smooth, interesting, and sparkling with color, costumes and skill.

Among the featured performers were Margaret Ann Bowen and Nelson Bellmore in the silver test dance of the Canadian Figure Skating Association, and Mrs. Dorothy McCarthy and her brother, Alfred Digby, in a splendid duo to the music of "Never on Sunday".

Copper Cliff Skating Club was formed in 1936, the year Stanley Stadium was opened, and staged its first carnival the following spring. Over the years it has produced many fine skaters and stimulated public appreciation of a most pleasing and often spectacular athletic art.

"Our membership shows a very definite increase," said the club president, P. J. Neville, "indicating that a healthy interest in figure skating continues in the community. However, the club needs skaters to train singly and in pairs in order to maintain a reserve group for future performances." He added a word to the parents of new members: "Please be patient, as a skater cannot become a figure skater in one short season."

Members of the club's advisory committee are A. E. O'Brien, Dr. B. F. Hazlewood, J. Gladstone and G. S. Jarrett, all of whom have for many years given valuable help and guidance in the direction of its activities. Serving with Mr. Neville on the executive are A. Closs, vice-president, Mrs. K. Duffy, secretary-treasurer, and Mesdames S. Vagnini, M. Groulx, and Stephens, directors.

Members of the decoration and props committee that did a fine job for this year's carnival were J. Gladstone, P. Jack, W. Lawson, L. Groulx, and N. McKenzie.

The attractive program booklet for the silver anniversary revue, produced by A. Closs and P. Neville, was generously supported by advertising

## Owen McDermott

His Scottish bairn as broad as it was the day he stepped ashore in this country 40 years ago, Owen McDermott has retired from the fitters at Copper Cliff on early service pension. "We're moving to Oregon now," he explained, "where we both have many friends and my wife has a sister."

Owen first saw that part of the continent during the depression, when he travelled over a good part of the States to find work. His first stop in Canada was Calgary, where he worked and played soccer for the CPR.

He came to Sudbury in 1936, worked on construction of the new Copper Cliff smelter, and the following year started with Bert Bray's mechanics at Copper Cliff. From 1939 to 1953 he was steward of the community hall at Copper Cliff, then finished out his final years with Rube Langdon's reverb fitters.



Mr. and Mrs. McDermott

Born at Glasgow, he was twice wounded in the second battle of Ypres in World War I. During the second war he trained and led the Copper Cliff Highland band.

He was married in 1925 to Violet Lowe. Their daughter Agnes is the wife of Harold Heale of the Copper Cliff warehouse staff. They have three grandsons whom they admit they'll greatly miss in far-off Oregon.

Taking life easy, enjoying a bit of golf and badminton, plus some travelling, is Owen's recipe for happy retirement.

## Appointment

G. R. Green, whose appointment as assistant to the superintendent of mines at Copper Cliff was effective April 1, started originally with the Company in 1937. He was a shift boss at Creighton when he



left in 1946 to attend Queen's University, from which he graduated in 1948 with the degree of B.Sc. in mining engineering.

On his return to Inco he became a foreman at Levack mine, remaining there from 1948 until 1951 when he was transferred to Stobie as a general foreman; he later held the same position at Creighton. From 1957 he was assistant mine superintendent, first at Murray and then at Frood.

His birthplace was Ottawa. He is married and has two sons, Bob, attending Queen's University, and John, in public school.



Checking the program to make sure their Ballet on Ice got proper billing are Meribeth Dingwall, 8, of Lively, and Cheryl Chenier, 10, of Creighton. There were 17 glittering young ballerinas in this smart number, skated to "Waltz of the Flowers".



## New Nickel Alloys

(Continued from page 2)

are continuing to help so greatly in transferring these alloys from the laboratory to production."

The maraging steels, which include 18, 20 and 25% nickel steel, are being made freely available to the steel industry for production and sale. The data turned over to the industry included properties, commercial applications, melting and processing.

Of the new steels, 18% nickel steel is the only known material which has the ability to achieve a yield strength in excess of 250,000 psi while maintaining a nil ductility temperature of -80° F. Other outstanding characteristics of all three steels are their excellent notched tensile strength, which exceeds 400,000 psi (measured under the most severe conditions with a circumferential notch with radius of .0005").

Tests have shown that these new alloys possess a remarkable resistance to delayed cracking when exposed to a severe corrosive atmosphere in a highly stressed condition.

"Maraging" is a word coined to describe the transformation of austenite to a martensite-like phase followed by an aging reaction within the transformed matrix. By this process, very high strengths can be obtained without imparting brittleness.

The largest single potential application is hull plate for marine applications while the most promising immediate application is for rocket motor cases. Commercial evaluation has indicated applications in the following areas: solid propellant missile cases, quill shafts, hydrofoils, retainer rings, landing gear parts for high-speed aircraft, mortar and recoilless rifle tubing, cryogenic hardware, bolts and fasteners, pressurized containers and various fittings including castings.

For non-military applications, favorable conditions for the use of maraging steels exist where: (a) weight is very important, as in the transportation field; (b) distortion on welding or heat treating is a problem; (c) structure exceeds capacity of existing heat treatment equipment; (d) an alloy at strength levels greater than 200,000 psi is required; and (e) where deep drawing or shear forming is em-

## "This Has Been a Good Company to Work For," Says Frank Kuznik



At the end of his final shift at Clarabelle Pit, Frank Kuznik receives a presentation of a purse of money from pit foreman Lindsay Hodgins on behalf of "the boys."

Frank Kuznik misses the gang at Clarabelle Pit but is really enjoying his retirement and life of leisure. Unable to speak English when he arrived in Sudbury in 1929, he met a fellow countryman in the post office who headed him for Levee in a taxi, and he worked there until fire temporarily closed down the operation.

Coming to Frood he was a chute blaster on 2400 level and later a pillar miner. In 1945 he transferred to the Open Pit, working as pit miner and sandblaster. In early 1961 he moved over to Clara-

belle and helped with the sandblasting there until retirement.

"This has been a good company to work for," Frank said, "and the Pit is the best place to work."

Born 63 years ago in Austria, he served in the army both during and after the war, tried to emigrate to the States in the mid-twenties but came up against a full quota, then, along with many of his countrymen, came to Canada in 1929.

He was married in 1930 to Barbara Mallick. Their son Frank

works at Frood, and their daughter Therese is married to Paul Katarincic of Clarabelle. They have five grandchildren.

A farm near Alban gives Frank a good deal of pleasure and keeps him occupied. "We have seven lakes within a three mile area," he boasted, "and the hunting is pretty good there too."

A trip back to the old land is a possibility later this year but for the winter months Frank is relaxing and enjoying the comfort of his home in the Donovan.

employed with any of the foregoing.

In his closing remarks at the seminar, J. Roy Gordon, president of International Nickel, said, "Inco is pleased to make known to the steel industry the scientific information on this new and timely family of alloys. While the maraging process originated in our research laboratory, the several steels most certainly do not exhaust the field. It is our hope that with the aid of such information as we have presented today, the steel industry will find it possible to build further upon the foundation we have laid."

Mrs. A: What do you think about keeping a secret?

Mrs. B: Frankly, I think a secret is either not worth keeping, or it is too good to keep.

## One of the Last of the Real Blacksmiths



Blacksmith at Creighton mine since 1928, Heman Hodgins has retired on service pension and is pictured here hugely enjoying a party held in his honor. On his right are mine superintendent E. E. Mumford and shop foreman George Friel and on his left master mechanic Fred Pentney. Heman now joins the ranks represented by the fine-looking quintet of Creighton mechanical department represented by the pensioners standing behind him. On the left is Orville Simpson, then Tony Carbone, Albert Lapointe, Bob Pascoe and Maurice Johnson.

A blacksmith for almost as long as he can remember, Heman has run a small shop in his spare time at Creighton for years and at one time, when the now indispensable gas buggy was still a novelty, shod all the horses in Creighton and district. He still makes the odd car spring or other metal part in his shop and hopes to spend more time there now.

Born in Quebec 65 years ago, he worked in the bush and on the

farm before coming to Creighton. He lives with his daughter Norma and her husband Frank Larson of Creighton. Others in his family are Stewart, Forest, Ivy (wife of Creighton's Gerry Wagner), Mervina (Mrs. V. DeGrecchie), Lorna (Mrs. N. Gillis) and 15 grandchildren. His wife Eve whom he married in 1920 died in 1960.

## THWARTING MARINE BORERS

Marine borers, which each year destroy more than \$50,000,000 worth of wooden piling exposed to salt water, can be completely stopped by sheathing the piling with cupro-nickel sheet.

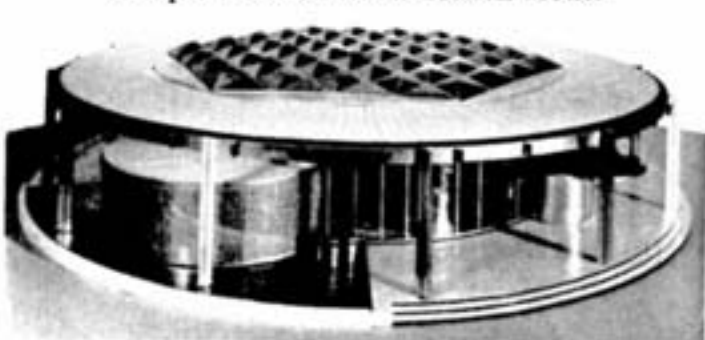
## AND HOW!

A businessman in Atlanta was driving downtown to work one morning and stopped to pick up a lady waiting for a bus.

"When we come to the next stop sign will you please tell me whether the light is red or green? You see I'm color blind."

"Yassah suh! Yo shore is."

## Unique Roof on Bank Branch Model



A unique roof design was one of the features of entry by Niagara Falls architects J. A. Szarvas, A. G. Zimmerman and B. Meredith in the stainless steel competition for the best design of a branch bank. One of many unusual models submitted from all across Canada, it won second prize of \$1,500. The competition was sponsored by Atlas Steels, Inco, and Union Carbide.

## Jack Gifford

"Shooty's best for speckleds, but Onaping's got 'em all stopped for lake trout and big pike," is the way Jack Gifford of Copper Cliff sizes up the fishing in the Sudbury section of Ontario.

He likes the Long Lac district for moose, and Manitoulin for deer.

Always an ardent and vigorous sportsman, Jack can give his full attention to enhancing his reputation with rod and gun, now that he's retired on pension. He'll also be busy building a permanent home at Long Lake, with a special room for the wealth of trophies and souvenirs he has picked up over the years.

In over 30 years as mechanical foreman at the Copper Cliff crushing plant, Jack had a hand in many important equipment improvements. He worked with J. W. Garrow and Joe Sauve on devising the method of welding up and machining main crusher frames without taking them off the base, and, among other achievements, built a winding machine for changing conveyor belts, which had been done by hand.



Mr. and Mrs. Gifford

Living on a farm near Dunnville, the Gifford family got into the monument business as a sideline, and Jack took charge of it as a boy of 14 when his father became crippled with rheumatism. At 16 he joined the army. He served his time as a machinist and toolmaker at the Steel Company in Hamilton, then in 1929 came to Inco.

Elizabeth Bralley, who became his wife in 1918, died in 1936. Four daughters were born to them: Marjorie (Mrs. Bob Pearson, Toronto), Gladys (Mrs. Gordon Gates, Brockville), Jean (Mrs. Robert Kerr, Dartmouth), Betty (Mrs. Harold Morash, Dartmouth). Jacquelin Verdun of Sturgeon Falls was his bride in his second marriage.

### Nickel Plating

While nickel plating is usually applied to metals, non-conductors such as plastic, wood, glass and ceramic materials may be coated with nickel. This plating is used for the manufacture of a variety of articles ranging from fancy buttons and costume jewelry to aircraft propellers.

### NEGLECT

"So you met your wife at a dance? Wasn't it romantic?"

"Not exactly. I thought she was home taking care of the kids."



## Shorty Sabourin:

Shorty Sabourin never realized how much the boys at Murray thought of him until he worked his last shift there and the gang gathered around to wish him all the best in his retirement. Shorty was so touched he was speechless.

A man who gave a good day's work himself and expected it of others, Shorty was well regarded by men and supervision. Retired now on early service pension, he had continuous Inco service from 1928 but actually first worked in the industry at Crean Hill back during World War I.

Walter Sokoloski presents Shorty with a purse of money from his workmates. On the right is Murray assistant mine superintendent Gordon Strasser.

Raised near St. Charles where his parents farmed for many years, he was born at Potsdam, New York in 1899. In the early twenties he worked at Coniston a couple of years and in 1928 started in at Frood. He was transferred to Levack in 1937 and to Murray in 1944. A track boss of proven ability Shorty enjoyed his work. The last few years at Murray he worked on surface as powderman.

Shorty married Florence Lafortune in 1923 and they have a strong Inco family. Yvette is the wife of Murray's Bill Boyer, and

Gerry, Alme and Leo all work at Copper Cliff. Irene is Mrs. R. Frappier of Sudbury. They have 11 grandchildren.

Shorty also has two brothers with long Inco association, Ernie at Frood and Albert, who retired on pension in 1959. Between the three they rolled up more than a century of Inco service.

Shorty intends taking things easy for a time while he savors his new leisure, but those who know this active man are laying odds he won't stay idle long and be happy.



## George Jakov:

Before leaving the mine, George was presented by shift boss Archie Dagg with a purse of money on behalf of the gang from 3400 level.

Crusherman on 3400 level at Frood the past few years, George Jakov has retired on service pension. He had worked at Frood since 1935, in slopes on 2600 level for over 14 years and later in pillars on 1600 level. Always dependable, George was the type of miner all shift bosses welcomed to their beat.

Born on a farm in Yugoslavia 65 years ago, George worked in France a couple of years after serving in World War I, before

coming to Canada in 1928. Farming in Alberta, helping lay railroad in British Columbia, construction work and, during the depression, the trans-Canada highway and the bush were among his early jobs.

He was married in 1918 to Diane Jakov but it was 1937 before he could bring his wife and son Bobby, who is now with the mechanics at Frood, to join him in Canada. His daughter Josephine, whose husband was killed in

World War II, remains in the old land. Four grandchildren round out the family.

George lives comfortably in the Donovan section of Sudbury and with his favorite granddaughter Diane tends four well-fed pigeons. His wife admits he is quite a help around home.

George is not sure about a trip back to his native land but after 34 years in Canada he admits to being curious as to what things look like over there now.