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Carnival at Port Colborne
(Story on Page 3)



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As Mr. Gagnebin Sees It

BY J. D. BAXTER
IN "IRON AGE"

"Solid, steady growth" are the words nickel producers like to use to describe their industry. And growth is the big, bright fact about nickel use.

Steady Growth — "Consumption of nickel has doubled every 14 years since 1905. We, in the industry, hope not only to maintain that rate, but to increase it."

These are the words of A. P. Gagnebin, vice president, The International Nickel Co. of Canada, Ltd. Mr. Gagnebin directs overall sales, marketing, and development and research for the company that accounts for 60-70% of Free World nickel-producing capacity.

The growth outlook for nickel is one that excites men in the industry. Many of the fields opening for new or increased uses of nickel are ones that rate highest in the promise of spectacular growth. Here's a run-down on just some of these areas as noted by International Nickel:

Automotive Gas Turbines — The average piston engine used in today's auto contains about 0.25 lb. of nickel. Prototype gas turbines of about the same size contain from 40 to 70 lbs. of nickel.

Supersonic Aircraft — Jet engines in a DC-8 contain about 2200 lb. of nickel. The engine being designed for the British-French supersonic Concorde plane will contain about three times as much nickel as those in the DC-8.

Advanced Power Plants — Modern steam power plants use about 330 lbs. of nickel per megawatt (million watts) of generating capacity. Developments under way need alloys of greater capabilities — and higher nickel content. This could boost nickel usage to 805 lbs. per megawatt.

Also, a nuclear power generating station uses more nickel than a fossil fuel plant. One operating pressurized water reactor plant uses about 1500 lbs. of nickel per megawatt. This is about five times as much as for a conventional power plant.

Fuel Cells — As of now, greatest interest is in fuel cells that use hydrogen and oxygen for fuel and use nickel for electrodes. The nickel need for electrodes is 10 per kilowatt of power capacity.

On a total energy requirement basis, replacement of one-tenth of one percent of U.S. energy sources with fuel cells would require 30 million lbs. of nickel for electrodes.

Space Ships — Maraging steel that contains about 18% nickel is now favored as a material for large

IRON AGE

THE NATIONAL METALWORKING WEEKLY • The January 27, 1964



Albert P. Gagnebin, Vice President, Inco

A BUSY LINE is the telephone at the desk of Inco vice-president Albert P. Gagnebin, who has overall charge of the Company's sales, market development, and research activities. Above is a reproduction of the cover of a leading United States trade magazine which featured an interview with Mr. Gagnebin in its January issue.

rocket cases. For example, a four-booster Nova rocket would contain about 180,000 lb. of nickel as fly-away weight. This is about 270,000 lbs. in mill product forms.

Anti-Smog Devices — Pollution is something everyone worries about today. New state laws are pushing towards wide use of anti-smog devices on autos. The after-burner type being developed uses nickel alloys resistant to heat and corrosive effects. Current signs point to nickel consumption of about 2.2 lbs. per auto.

The variety of growth areas for nickel is reflected even in today's broad market base. For example, there was a dip in nickel use in 1962. This was due largely to a slowdown in steel production. But as use of nickel for stainless steel dropped by 38 million lbs. in 1962, most other uses continued to advance.

Maraging Steel — Of all markets for nickel, Mr. Gagnebin feels maraging steel offers the greatest potential. This is an ultra high-strength, tough steel. It was developed by International Nickel. In various alloys, it carries a nickel content up to 25%.

Maraging steel means much lighter weight structures can be made — and can be competitive with other steels, with aluminum, and even with fiberglass.

Broad-Based Market — Mr. Gagnebin stresses the broad market base for nickel as a leading sign of health of the industry. He sees a steady, broad growth, not one dominated by a single spectacular new use.

"Nickel has become a big enough industry now," he says, "so that

a large percentage growth in any one sector doesn't have a very important influence on the whole market."

"The market is so dispersed, so broad, with all types of alloys, and serves all kinds of industries, so that future growth will be based on the entire range of nickel-bearing materials."

What about the nickel market today from the point of view of users of the metal?

There were no price changes in refined nickel in the U.S. during 1963. It remained at 79¢ per lb., including a U.S. import duty of 1½¢ per lb. Mr. Gagnebin told the Iron Age he expects "no price change in sight in the near future."

Capacity — "The total nickel-

producing capacity in the Free World is currently placed at more than 640 million lbs. annually. This is some 115 million lbs. in excess of 1963 estimated consumption.

"Of this total, the capacity of Canadian producers amounts to over 500 million lbs. per year — about 80% of present capacity of the nickel producers of the Free World."

Aside from high capacity, another force holding prices level is competition. Mr. Gagnebin admits competition is "intense". And competition comes from two directions. Nickel producers compete hard; and competition of nickel with other materials is tough and growing tougher.

Competition — In the materials battle arena, nickel-bearing stainless steel is pitted against aluminum. Another important area pits 9% nickel steel against aluminum. And nickel-bearing steels compete with plastics and fiberglass.

But there are marriages of competing materials, also. International Nickel has developed nickel-aluminum alloy pistons for internal combustion engines. And the new supersonic airliner, the Concorde, will probably use an aluminum skin alloyed with nickel.

Soviet Bloc Nickel — Finally, there is little or no chance that Soviet Bloc countries can upset the market in nickel as they have in other commodities.

The largest nickel supply source in the Soviet Bloc is believed to be Cuba. Production there is believed to total about 50 million lbs. per year. Capacity is calculated to be about 100 million lbs. This is from facilities of the U.S. government and the Freeport Sulphur Co. seized by Fidel Castro. Little is known of direct Russian operations.

"The best evidence," says Mr. Gagnebin, "is the Russians are getting, through Czechoslovakia, the output of nickel in Cuba. They are investing money and sending engineers."

"The clear inference of this is that Russia itself, and its satellites, are short of nickel."

SHORT WAVE

As the man was twisting his radio dial, he felt a sudden sharp pain in his back.

"Oh," he cried, "I think I'm getting lumbago!"

"Why bother to listen?" asked his wife. "You won't be able to understand a word of it."

Lieutenant-Governor Guest of the General Manager

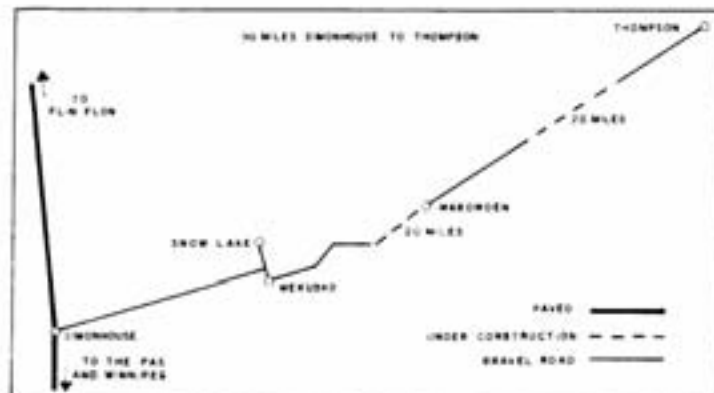
Distinguished visitor at Copper Cliff on January 29 was the Honorable W. Earl Rowe, Lieutenant-Governor of Ontario, who came to the Nickel Belt to address the annual dinner of the Sudbury and District Chamber of Commerce. Following a visit to Clarabelle Open Pit and the Iron Ore Plant he was the guest of honor at a luncheon at the Copper Cliff Club, where this picture shows him with his host, Inco general manager T. M. Goetz.



W. Earl Rowe, Lt. Governor of Ontario



Posing in front of one of the cars in which they made their epic trip from Thompson to The Pas are the seven trail-blazing Inco miners, first to traverse the new road. Kneeling in front from left to right are Dick Varty, Ken Barron, Louis Flett and Bob VanDrumer, who were in the lead car, and standing, Ed Mineault, Elmer Cadeau and Ivan Belfour, who rode in the second car.



Map shows the "gaposis" now being filled in the road to The Pas.

Seven Adventuresome Inco Miners Broke the Bush Barrier to The Pas



Four mammoth 36-yard Euclid earth movers like this are now at work on the Thompson-Wabowden link.

Great news to Thompson people is the report that the 240-mile stretch of highway connecting their town with The Pas may very likely be handling traffic this coming fall.

At least that's the considered opinion of a representative of one of the construction companies engaged in completing the final stretches of the road. And lending strong support to this guess was the trail-blazing feat of a group of Thompson's enterprising young bloods, who have already driven through to The Pas and return.

With rumours abroad that some of the Flin Flon boys were planning to be the first to travel by car from The Pas to Thompson, local pride was aroused and action taken. Seven adventuresome young Thompson miners packed sleeping bags, food and extra gasoline into two cars and took off from Thompson shortly after midnight on Friday, January 24. The seven were Dick Varty, Ken Barron, Louis Flett, Bob VanDrumer, Ed Mineault, Elmer Cadeau and Ivan Belfour.

A rough but relatively uneventful 12 hours later they were relaxing in The Pas, the first motorists to break the bush barrier between Thompson and the outside. They returned to Thompson on Sunday in the remarkably good time of six and a half hours.

No gas, food or lodging is yet available on the new stretch of road of course, but this was a matter which bothered the trail-blazers little on their trip. They were more concerned with not getting bogged down in some of the stretches under construction and did require a boost on a couple of occasions.

Since their history-making feat the district highway engineer has appealed to local residents not to attempt the trip, both for safety's sake and so as not to impede construction progress. Construction companies have barricaded both ends of the highway, making through passage impossible. The Thompson boys' advice after making the trip: Don't do it — yet! Too hard on the car right now.

Some 24 miles south of Thompson, about three miles past Paint Lake, motorists come to the end of the present road. A 23-mile gap separates this point from the next stretch of highway and construction crews have been working all winter from both ends of this gap, clearing, blasting and filling. Similar work is in progress on the other uncompleted areas.

Jack Williams, project manager for Quinn Construction Company, who are working the section closest to Thompson, is optimistic that, weather permitting, the road will be ready for traffic by next freeze-up.

Building a road across the innumerable muskeg areas presented a problem which is being overcome by sealing in the permafrost or frozen muskeg with a four-to-five-foot cover of clay and gravel. Thus the road has a permanent frozen base which, with careful attention to drainage, should never thaw. Much of this construction work must be done during the winter months.

It is approximately 240 road miles from Thompson to The Pas, and slightly under 500 more miles from there to Winnipeg, but another pair of enterprising Thompsonites have made the complete trip. The Thompson Citizen reports that Don Wray and John McGonnigal of Thompson left town at 7 p.m. on Saturday evening, January 25, and in 16 hours were in Winnipeg. They returned to Thompson on Monday afternoon.

In addition to greatly facilitating travel to Winnipeg and other points the completed highway will also give access to a great sweep of virgin hunting, fishing and camping country.

First New Citizens of 1964 at Sudbury and Thompson

"HIYA POP!" says tiny Larry Perron, Sudbury's Mr. 1964, who was the first new citizen on the scene January 1, making his arrival at the General four minutes after midnight with Dr. Douglas Prince in charge of the welcoming party. Here he's lovingly admired by his parents, Jack and Ardith (Cousins) Perron, and his big brother Frankie, 4½ years old, who says "He's pretty cute". His dad is a member of Gordon Harry's hustling blueprint room staff at Copper Cliff.



THOMPSON'S first new citizen of the year was Marie Jacqueline Colhoun, who exercised the woman's privilege

of being late and didn't arrive until 11:24 on the morning of January 1. Her parents, Mitchell and Alice Colhoun, moved to Thompson last June from Grand Forks, B.C. Her dad is an Inco man, cage-tender at the mine, and proud as punch of his infant daughter.

SHIPWORTHY MAGNETS

Some 60,000 magnets made of a nickel-aluminum-cobalt alloy are used in a modern ocean liner. The tiny, but powerful, magnets are used for door stops and closures, for magnetic swinging doors, as supports for flower vases, glasses and bottles, as bases for telephones and cabin ladders, and for miscellaneous signs.

Jack Duncan

Well-known sportsman of the "Roarin' Twenties" Jack Duncan has retired from the Copper Refinery on disability pension.

Son of a pioneer family which arrived in Sudbury at the turn of the century Jack was a leap year baby 60 years ago and on the last day of this month celebrates his 15th birthday.

In his youth Jack played hockey in winter and baseball in summer, with the odd job sandwiched in between. He played professional hockey with Hamilton Tigers and Windsor Bulldogs of the old International League. "The last year I played with Windsor, 1931, we won the league title," he recalled. He got his start with the junior Sudbury Wolves.

He played baseball with the old Sudbury club when Milnet had a team in the league, and also played three seasons of semi-pro ball with Galt of the Inter-County League.

Two years underground at Ervington mine and a summer spent prospecting in Saskatchewan were among the many jobs he held before coming to the Refinery in April of 1931. "He started there just a week after we were married," said Mrs. Duncan, who was Leila Cliff before their marriage. They have a son Bill in Sudbury and a daughter Mary Lee, married to Dr. John Wesley of Toledo, Ohio. The Duncans hope to visit there more often now and also spend more time with their four grandchildren.

Later this month Jack and his wife are motoring to Florida for an extended vacation. Summers will see them more often at brother Art's summer home at Lake Penesse.

Long an ardent curler, Jack was president of the Copper Cliff Curling Club during the 1948-49 season, the last year the old rink was used. He hasn't curled for the last nine years. "Doctor's orders," he grinned. "I used to take the game pretty seriously."



Jack and Leila Duncan are surrounded here by some of the boys from the Copper Refinery who gathered at his home for a surprise party honoring him on his retirement. They presented him with an automatic camera. Left to right they are Sprag Szeckrenyes, Bill McBain, Tom Smith, Renley Watt, Norm Pelletier, Vince Waters, Don McDonald and Rene Bourget.

He also served as vice-president of the old Nickel Belt Baseball League for the 1946 season.

The Duncans have a cosy modern home in the Lo-Ellen Park area of Sudbury where, in summer, this new pensioner puts on a pretty fine gardening show.

At the Copper Refinery Jack worked as silver building supervisor for almost 32 years, and certain safety records he established are going to be hard to beat.

Jock Rennie

One of Scotland's great contributions to the western world, aside from fine whiskey, has been top-flight tradesmen, able and canny men, proud of their skill. Inco has been blessed with a good share of such men, one example being

Jock Rennie, who has just retired on an early service pension. The fitters at Copper Cliff are the poorer for his leaving.

Jock helped build much of the present Copper Cliff plant and over the years has had a big share in its maintenance. He took over as foreman of the miscellaneous fitters when Charlie Brownlee retired. Jock had been with the gang for some years previously.

Born 64 years ago in Scotland Jock served two years of his apprenticeship as fitter before joining the Royal Navy in the first world war. After discharge, with work scarce in Britain, he came to Canada early in 1924. His first job was with Fraser-Brace as millwright on a paper mill project in the Temiskaming area.

During the next 10 years Jock

worked on several construction jobs for Fraser-Brace ending up on the great new smelter project at Copper Cliff in 1929. When it was completed he remained with Inco. During the mill and crushing plant expansion in later years he was on loan to Nordale, then after the war returned to the fitters.



Mr. and Mrs. Rennie

Very proud of Scots and Scotland, Jock named several of his countrymen he considers to have been tops in their trade during their active years in the Sudbury area. "There's Davie Small, Bill Chisholm, Jack Thomson, Dave Butchart, Jim Ferguson, Jimmy Smith, and John MacDougall who is now up at Thompson," he stated. "And another fine Scot is my old friend Sandy McGhee who was a skimmer on the converters for many years."

It took Jock a full quarter century before he paid his first visit back home but since that time he has made eight trips back, all by air. His latest visit was in January of this year.

In 1954 Jock married Mrs. Dick Chugg and they live very comfortably in the Gatchell area of Sudbury with their two pet Pekinese dogs. This spring the Rennies hope to take a motor trip to California.

"You can tell everyone that I really enjoyed my work," declared Jock. Evidence of this is the fact that for most of his Inco years Jock was first man on the job each morning. "I was always up at five," he grinned, "and left for work about a quarter to seven." Still an early riser Jock enjoys his waking hours to the full.



Prize Winners in Garson Bonspiel

First event winners in the fourth annual Garson Mine Athletic Association curling bonspiel, which drew 16 rinks, are pictured on the right being congratulated by assistant mine superintendent Dave Lenine. The happy quartet are skip Stan Dodd, Ken Olibbery, Leo Demers and Claude Lafontaine. Red Knoll's foursome were in the runner-up spot. The winners received electric knife sharpeners, the runners-up electric hunter's lanterns.

A displaced Creightonite, popular Harvey Bangle, skipped the winner in the second event, and in the first picture above his boys



flash the victory smile for the Triangle camera. Standing next to Harvey are Jack MacDonald, Merle Currie and Joe McCouley. Finishing a close second was Blakey Johnson's rink. Prizes for the winning rink were electric kettles.

In the third event Mickey Maguire defeated Joe Cull for top honors and the woollen blankets. Curling with Mickey were Orval Webster, Ernest Hottiness and Sherman Sloan. They're shown above, alongside the Bangle rink.

Port Colborne's Operatic Society Has Another Hit

The circus with all its tinselled clamor, lurdy-gurdy happiness and nostalgic tenderness held the stage at the Inco Recreation Hall for a solid week as Port Colborne Operatic Society scored another solid success with one of today's most delightful musical shows, *Carnival*.

They came from all over the Niagara Peninsula, 5,000 strong, to make the staid old Inco hall rock and roll with their applause for this vibrantly colorful and tuneful production. They went away humming the wistful theme, "Love Makes the World Go 'Round".

Technically it was a complicated show to stage, with its open setting of a small carnival in France. Tents, booths, wagons, ladders and all the other paraphernalia of the



Dot Fort

circus were moved on and off in full view of the audience. The cast was huge, 84 in all, including carny men, clowns, acrobats, jugglers, side show people, roustabouts, animals, and gorgeous girls. Yet from the opening number the show never once lost momentum, never fumbled or faltered.

The little lady who brought it all off so splendidly, Dot Fort, was celebrating her 10th year as the society's director-producer. Port Colborne doesn't like to be asked how it would ever get along without her.

There was no fault to find with the principals. Tackling her first major role, that of the touching little waif Lili, who has strayed starry-eyed into the circus spotlight like a moth to a flame, lyric soprano Ruth Kraus won a personal triumph. Ken Prosser, an old PCOS pro who first appeared on the Inco stage as a kid of 7 when he volunteered from the audience to help with a gag in a minstrel show and has been up there ever since, was entirely convincing as the suave and slightly unscrupulous Marco the Magnifi-



"Inco-connected" people who took part in Port Colborne Operatic Society's brilliant 1964 production, *Carnival*, are shown in this group: back row, Bob Eros, Don Armbrust, star Charlotte MacDonald, Mike Thompson, Sarah Thompson, Jeanette Kaluik, Jack McDowell; centre, "Muff" Cross, Murza Armbrust, Lenore Ellsworth, Larry Roach, Dennis Bryan, Doug Caldwell; front, Ruby Baker, Roly Paquette, Nick Seredin, Jackie Crawford, Jim Crawford. Not shown, Ken Evoy. On the right are Ken Prosser as Marco the Magnificent and Ruth Kraus as Lili. Below is a shot of the company in one of its big numbers, *Cirque de Paris*.

cent. Another Port Colborne star, who made such a hit as Adelaide in *Guys and Dolls*, Charlotte MacDonald again came up with strong performance as the breezy, brassy, incomparable Rosalie. Tom White's rich baritone was ideal for the songs of Paul the Lame Puppeteer.

The best of the big numbers, *Cirque de Paris*, saw Art Fort emerge as a wonderfully bouncy song and dance man. The wacky clowns included the irrepressible Ruby Baker, who at the age of 70 donned grease paint and makeup

and cavorted like a youngster.

Port Colborne Operatic Society has become an institution in the Niagara Peninsula since its founding in 1945. Starting with Gilbert & Sullivan it has worked its way through a tremendous repertoire of 17 old and new favorites, always with a professional flair that lifted it out of the "local amateur" class.

Not only its audiences come from near and far in their faithful annual pilgrimage to its shrine at the Inco hall. The Carnival company itself represented Dunnville.

(Continued on Page 16)



INCO FAMILY ALBUM



COPPER REFINERY The Copper Refinery is represented this month by Carlo Cirillo, his wife Teresa, and their grown family. Letizia (Mrs. J. Castrechinal) is their only daughter; their sons are Johnny, who works at Creighton, and Tony, Mike and Durando all of Sudbury. The several grandchildren are welcome visitors at the Cirillo's Sudbury home.

A familiar and friendly face at the general office in Copper Cliff is maintenance mechanic Bob Meikle, and here he is with his family. His three sons are Ray, a machinist at Copper Cliff, Robert, 15, and Jimmy, who will be nine on March 1. The Meikles have a comfortable home in Lo-Ellen Park, Sudbury.

Melvin and Patricia Morrow are very proud of what Melvin hopes is the start of a home-grown hockey team, 3-year old Allan Kent and 20-month old Dwight Blaine. Melvin lives in Garson Heights. Both he and his father William work at Garson.



Everett Munro and his wife Elizabeth, with their four sons and two daughters: Bruce, 17, Doug, 16, and Beverly, 14, who all attend Sheridan Technical School. Other members of the family are Dennis, 13, Wendy, 8, and Clifford, 4. The Munros live in Sudbury. Everett has been an Inco man since 1950, and presently works at Stobie.



Bert Lindenau, superintendent of the electrolytic department at the Nickel Refinery, Port Colborne, is the son of an Inco pensioner, Ivar Lindenau, of nearby Ridgeway. He and his wife Betty have an interesting family of three, Judy, 18, Susie, 15, and David, 8. His favorite recreation is golf, his wife's is curling. Mrs. Lindenau is a sister of Mrs. J. A. Pigott of Copper Cliff.

Six years ago Tage Frederiksen left Denmark and came to Saskatoon. Last August he moved to Thompson and works in the Inco carpenter shop. This spring he hopes to build a home for his fine brood, shown here with him and his wife Ruth: Linda, 12, Lis, 10, Lone, who was 9 on November 29, the date this picture was taken, Leo, 7, Allan, 6, Lillian, 4, and Gary, 1.



CREIGHTON Fred Serafini is a timberman at 6 shaft, Creighton. He is shown with his wife Maria, Lidia, 8, Daniel, 5 months. They live in Sudbury.



Sheridan Tech's cheerleading team is pictured here in a jubilant mood after being declared winner of the coveted Tom Cooney award in competition with teams from seven other secondary schools at the 14th annual Nickel Belt Night. From the left the girls are Regina Wisniewski, Ellen Chew, Jane Paskurack, Marilyn Gibbons, Gail MacDonald, Diane Thibault and Karen Haggart.

The Joint Was Really Jumping

For sheer enthusiasm, fun and school spirit, nothing — but nothing — compares with Nickel Belt Night in Sudbury.

With eight district secondary schools competing and rivalry running rampant among their fanatically partisan supporters the 14th annual Nickel Belt Night held at Sudbury High School February 6 kept the joint jumping throughout the evening.

The original Nickel Belt Night, brainchild of former Sudbury school teacher Tom Cooney who is now teaching in Oakville, featured a basketball game between the Sudbury High and Tech teachers. The following year a cheerleading competition was introduced to provide entertainment between periods and this became so popular that it is now the feature of the evening with a basketball game serving as background for the beauty and bounce of the cheerleaders.

Surprise entry this year was St. Charles College, a boys' school whose cheerleading team of Mark Jarrett, John DeMarco, Robert Bunting, Francois Brassuci and Richard Woloschuk won commendation and a special award for what judge Basil Scully termed "courage".

A high-flying squad from Sheridan Tech won the Tom Cooney award as the best cheerleading team, topping their arch rivals Sudbury high by one scanty point. The judges' award went to a newcomer, Garson-Falconbridge Secondary School, for displaying the most school spirit.

Highlight of the evening as always was the naming of Miss Nickel Belt, an award that triggered pure pandemonium. The leather-junged teenagers cheered, screamed, howled, sang and some even wept when the winner's name was announced by Betty Meakes. A pretty 16-year-old Sudbury High School miss, Mary Lou Hodgins, was judged the best and received



Mary Lou Hodgins wept tears of joy when she was named Miss Nickel Belt of 1964. On the right is Nicki Dusick of Leveck, one of the high bouncing contenders for the title.



Garson-Falconbridge won the judges' award for displaying the most school spirit.

the DeMarco trophy along with the honor and title of Miss Nickel Belt for 1964.

Schools competing were Sudbury High, Sheridan Tech, LaSalle, St.



Charles College, Leveck, Garson-Falconbridge, Espanola and Chelmsford. The hard-pressed judges, whose decisions met with general student approval, were Betty Meakes of the Sudbury Star, Basil Scully of SKSO and Gerry Wallace who has acted as judge at all Nickel Belt Nights.

Jim Kuz

A Frood man since 1941 Jim Kuz has retired on disability pension. "I'd much rather be at work though," he said. "I liked mining, especially shaft work." He helped deepen no. 4 shaft at Frood back in the late forties and worked with the shaft inspection crew from 1951 until retirement.

Born in Austria 59 years ago Jim came to Canada with his parents in 1911. They homesteaded in Manitoba, then moved on to Saskatchewan where Jim farmed for 20 years before coming to Sud-

bury in 1938. "There was no money in farming then," he said. In 1941 he got on at Frood, where he worked in stopes and pillars before joining the shaft crew.



Mr. and Mrs. Kuz

Jenny Liteplo became Mrs. Kuz in 1931 at Prince Albert and the seven members of their family are Vickie, whose husband Ron Gregg works at Creighton, Ray of the Copper Refinery, Estelle of Sudbury, Herbert in the navy and Irene, Dennis and Debra, all at school. They have seven grandchildren.

The Kuz family have a comfortable home in the west end of Sudbury and many friends in the area.

Eemil Sorvari

Eemil Sorvari has been a converter man at Copper Cliff since 1935, and a good one too. The last half dozen years before retirement he worked as skimmer, and previously was powderman and puncher. "That was a good place to work," he said, "and I had some fine bosses like Dunc Finlayson, Dope Acheson, Sammy Nute, Bud Felck and many more."

Coming from his native Finland in 1929 Eemil worked for Fraser-Grace on the Copper Cliff smelter construction, with a pole line gang.



Mr. and Mrs. Sorvari

in the bush, and at other jobs before landing a job in the smelter. Starting in the Orford building he moved over to the converters the next year and remained there.

Eemil and his wife, the former Lempi Ojajarvi whom he married in 1921, now live on the Black Lake road and have a camp on Black Lake that is home to them about eight months each year. Their home was in Copper Cliff for 28 years. Hunting and fishing are a way of life to this rugged pensioner, and he can't remember a fall when he didn't get his moose or deer. One of the best lake trout fishermen in the area, he has been pulling some real beauties through the ice at Lake Penage this winter.

The Sorvaris have two daughters, Aura (Mrs. W. Stevens) of Sudbury, Hilka (Mrs. P. Anninen) of Toronto and seven grandchildren.

A very happy couple this who are enjoying their well-earned leisure. They plan a trip back to Finland later in the year.



In the absence of Copper Cliff mayor R. G. Dow, former mayor R. R. Saddington expertly sent away the official opening rock of the bonspiel. At all four rinks the curlers took part in the traditional opening parade, led by pipers from the Copper Cliff Highland Cadet Corps.

NOCA Was Great Show of Curling

With a full draw of 128 rinks solidly representing the Nickel Belt as well as many other hotbeds of Ontario curling, the 77th bonspiel of the Northern Ontario Curling Association set a new high mark of success for this annual blue-ribbon event.

Copper Cliff was the host club, and its president Dan Kelly sparked the committee which received many enthusiastic plaudits for its smoothly effective arrangements. The Sudbury, Sudbury

Granite, and Falconbridge curling clubs were co-hosts, putting a total of 22 sheets of ice into play.

Thespiel produced some tremendous curling which probably reached its peak in the tense final match of the first event between Don Harry of Copper Cliff and Lloyd King of North Bay with the Inco Trophy at stake. Men who watched this game said it was the finest curling they had ever seen.

The Guy Valade rink from Sturgeon Falls, winners of the

Doran, put up a terrific battle under pressure before yielding to Don Harry in the grand aggregate showdown, which drew a bulging crowd at Copper Cliff.

Wilf Biron, Jack Garrett and Don Groom won the lion's share of the silverware events for the Granite, taking KVP, the Algoma Steel, and the Player's.

Skips who curled beautifully to be runners-up in the eight events were Lloyd King of North Bay, Guy Hashey and Joe Matte of the Sudbury, Don Pye of Falconbridge, Mac Canapini and George Burns of Copper Cliff, Bill Gilchrist of Parry Sound, and Don Endleman

The grand aggregate winner, Don Harry, deep in a strategy huddle with his vice-skip, Vern Johnston, during the final match for the Inco Trophy at the Granite Club.

of the Granite.

Dancing and other entertainment which included the immensely popular Rhythm Pals, Toronto radio and television trio, was laid on by the participating clubs to top off the socializing and good fellowship traditional at curling bonspiels.



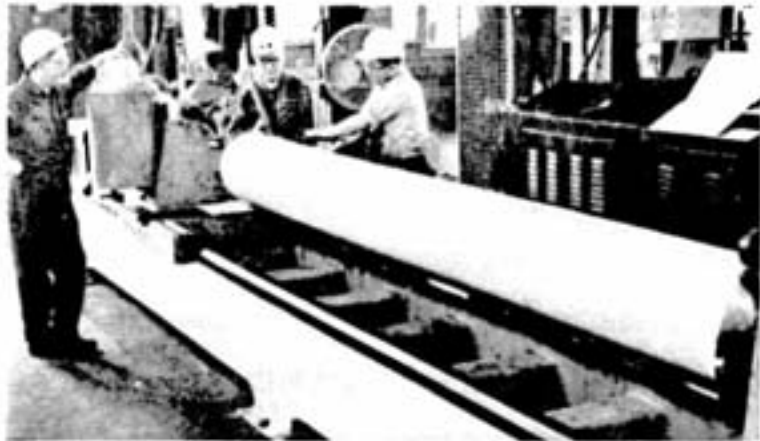
J. A. PIGOTT presents the Cormichael O'Brien Trophy for the grand aggregate championship of the NOCA to vice-skip Vern Johnston, second Jim Blackport, lead Larry Martel, and skip Dan Harry, of the Copper Cliff Curling Club. They also received the Inco Trophy for winning the first event of the bonspiel. BELOW: Caniston Curling Club had two trophy winners in thespiel. Here skip Gord Chisholm received the Cochrane-Dunlop Trophy from Syd Stephens; on the left are lead Gerry Cleaver and vice-skip Dan Dumontelle, on the right second Harold Olivier.



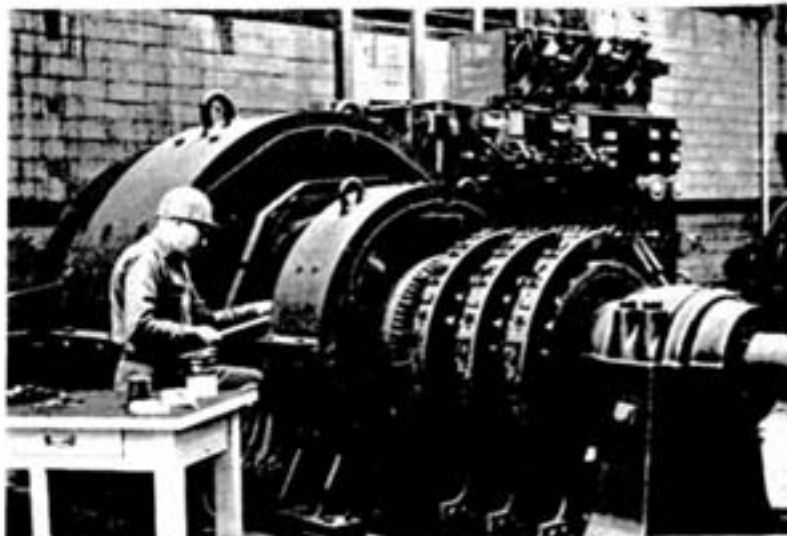
Ken T. Doonan

SKIP ORM PURVIS and his Leveck Curling Club rink of vice-skip Roy Bue, second Vic Larsen, and lead Vic Romagna receive the George Tate Trophy for the third event from Bob Tate. BELOW: The other rink bringing glory to Caniston, skip Terry Green, vice-skip Gerry Gagnon, second Harley Gagnon, and lead Bernie Forestell, are presented with the Falconbridge Trophy for the sixth event by Bruce Kerr.





In the machine shop foreman Laverne Puttick watches as Harold Kramer and Don Lampman machine the ends of a 12-inch transite pipe to be used in a feed line.



In one of the Nickel Refinery's two substations electrician Bob Ralston is repairing the field coils on a rotary converter.

Port Colborne's Big Safety Drive Already Paying Off in New Records

The safety program is rolling right along in high gear at the Port Colborne plant.

The electrical department has passed the 450-day mark without a lost-time accident and has confidently set its sights on beating its best previous record of 573 days.

The mechanical department on February 6 completed a full year without a lost-time accident, knocking into a cocked hat its previous best run of 142 days.

The entire plant, as the Triangle goes to press, has rolled up a total of 55 accident-free days, its best performance yet, and every man in the organization is pulling for that impressive total to be doubled at least.

Nickel Refinery manager J. Howard Tuck, speaking to the Triangle, expressed his keen satisfaction with the results to date. "We are immensely pleased with the way our accident prevention program is gaining ground," he said. "I would like to make special mention of the electrical and mechanical departments, under superintendents Alex Zahavich and Chris McPhail, for the excellent results of their safety efforts, and also to congratulate the plant as a

whole on the big strides it has made. Steady improvement of our safety record is a matter of the utmost importance, and I cannot stress too strongly the necessity for every man in the plant to give it his best attention and co-operation."

Job demonstration, personal con-
(Continued on Page 16)



Mickey Rivers is tuning up the motor starter on one of the huge shears in the warehouse.



These men are installing forms to repair a concrete plating tank in the electrolytic department. Noel Marleau is handing down a form section to Walter Golding and Art Bonnar.



Foreman Jack McAuley checks the engineer's drawing as Rod McIntyre and Fred Fox start a layout job in the ironworkers' shop.



In no. 1 research station Don Armbrust is seen installing a motor starter. Watching is electrical foreman Eugene Bridge.



Louis Fay calls a shot for his skip, George Young, in the final match of the third event.

Fred Cooper Top Skip In Refinery Bouspiel

There may have been times when any resemblance to the high art of curling was purely coincidental, but the boys from the Copper Refinery more than made up with good humor and honest intent what they lacked in skill and finesse. And there were some beautiful shots made, too, as they enjoyed their annual bouspiel on the slick ice at Copper Cliff.

Athletic association president Bob Rodger and secretary Bud Eles were in charge of arrangements for the successful event, which included a highly appreciated buffet dinner. The 20-team draw was capably engineered by Howard Caldwell and George Young.

Results were as follows:

First event: 1, Fred Cooper, skip, Rene Pierce, Benny Moxam, Graham Dick; 2, George Smith, skip, Bud Eles, Emil Jolicoeur, Carl Cirillo.

Second event: 1, Jim Bryson, skip, Roly Roy, Bob Garrow, Percy Iles; 2, Joe Halverson, Clarence Mateyka, Ernie Bahunk, Carl Lenti.

Third event: 1, Wes Hart, skip, Tony Husko, Dan Zimany, R. Smith; 2, George Young, skip, Louis Fay, Art Wilcox, Ronnie Ray.



On the left, Carlo Cirillo and cigar-chomping Dan Zimany keep close tab on the situation. Carlo said he wishes he'd found out about curling 20 years ago. On the right are seen the opposing skips in the final match of the first event; Fred Cooper cautions George Smith about his blood pressure as a heavy runner comes roaring toward the house about two feet off the broom.



Wes Hart was getting away a perfect cold draw as this picture was taken. It won the game. Below, Roly Roy yells for some sweepings behind him is Clarence Mateyka.



Vice-skip Tony Husko beams at a take-out rock that put the Hart rink in for shot.



Carl Lenti and Ernie Bahunk, lead and second for Joe Halverson, give a good exhibition of sweeping as they bring in a guard laid down by their skip.

New Inco Director

Allen T. Lambert, chairman of the board and president of The Toronto-Dominion Bank, has been elected a director of The International Nickel Company of Canada, Limited, it was announced by Henry S. Wingate, chairman of the board.

Mr. Lambert continues also as a trustee of the Company's Retirement System, having served in this capacity since May 1, 1963.

He is a director of several other companies.

A native of Regina, Saskatchewan, Mr. Lambert was educated in Victoria, B.C., public and high schools. He served with the

Royal Canadian Navy as a Lieutenant from April, 1943 to October, 1945.

Mr. Lambert is a Governor of York University, a member of the Council of The Art Gallery of Toronto and the Toronto Redevelopment Advisory Council and a member of The Board of Trade of Metropolitan Toronto.

FISHY EAVENDROPPING

The sounds made by fish in the ocean's depths can be heard and recorded. Large, sensitive hydrophones, equipped with corrosion-resistant nickel stainless steel diaphragms, are lowered into the ocean to pick up and amplify the "conversations" of fish.



Percy Iles was lead man for the Jim Bryson rink. They won the second event.

About 1,850 Men To Be Recalled To Jobs at Inco

The International Nickel Company of Canada, Limited announced February 4 that it would recall a substantial number of the workers who were laid off in its Ontario division in October 1962 when the production rate of the Company's Sudbury operations was curtailed by approximately 9 million pounds of nickel per quarter.

This action will also increase the Company's copper and precious metals supplies, enabling it to better serve its customers at this time of continuing strength in the market demand for these metals as well as for nickel.

A Company spokesman said that the recall will permit re-scheduling of production so as to restore about one-half of the 1962 curtailment and should make it possible to maintain a stable labor force at the new level.

A factor underlying the upward revision is the encouraging reception of new forms of primary nickel developed by the Company. One of the most important of these is Inco's new electrolytic product designed to meet the needs arising from recent advances in the electro-plating industry employing titanium baskets. This product is marketed as S or SD nickel.

At Inco's Sudbury District operations it is estimated that about 1700 men will be recalled and also a further 150 at the Company's refinery in Port Colborne. These additions will also provide replacements for personnel who have retired or left the Company for other reasons.

Robert Labine

His many friends will be glad to know that Bob Labine is feeling great and finding it hard to limit his activities as ordered by his doctor. Bob had a couple of heart attacks last year and is now relaxing on disability pension in his Azilda home.

Born at Azilda in 1921, Bob went straight from the family farm to a job underground at Frood in 1939. He transferred to Murray in



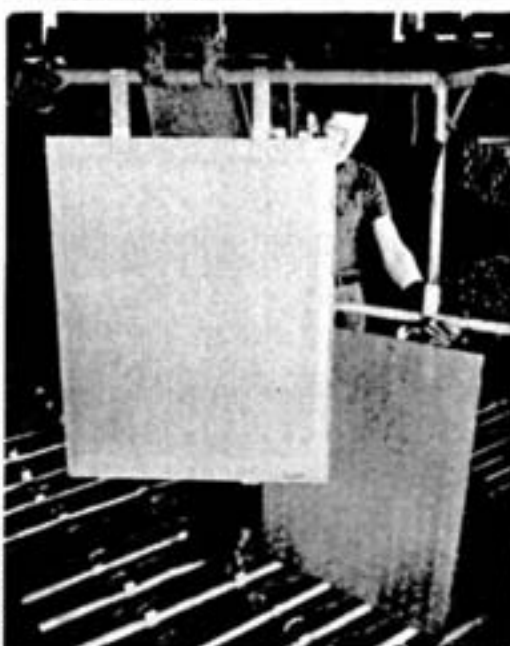
Mr. and Mrs. Labine

1942 and worked there as a driller, shaft driller and shift boss. He misses the old gang at work and is very interested in Murray's fine safety record.

Bob has been a keen hunter and fisherman since boyhood and built a family log camp on Ministic Lake where he claims the fishing is still pretty good. "I still go hunting

S Nickel a Factor in The Recall

S nickel, containing a small but important amount of sulphur, is one of the new forms of primary nickel developed by Inco which have helped strengthen the market demand leading to the recall of 1850 men laid off in the Company's Ontario division in October 1962. The S symbol of the new product is grown into the starting sheets of the Port Colborne refinery from imprinted stainless steel blanks. Theodore Robert is shown about to insert a starting sheet in a plating tank, replacing a full-grown nickel cathode on the surface of which the S symbol can be clearly seen.



about there too," he said, "but mostly I take the watch. I can't go through the bush too well." His ice fishing activities will probably be confined this winter to nearby Whitewater Lake where, Bob says, some pretty fair catches have been reported.

Hortense Joliat, member of a pioneer family in the Azilda area, married Bob in 1944 and they have

a fine family of seven. Eldest is 18-year old Joceline in grade 13 and the others are Andre, 16, and Claude, 14, both in high school, plus Carmen, 12, Lise, 9, Jeanne, 5 and Guy who is two years old.

A man should beware of a woman who lets him do most of the talking. She's up to something.

Omer Ranger

"One of my first jobs was cutting cordwood for the old roast yard at Copper Cliff," said Omer Ranger, "and that was a long time ago." Born 69 years ago in Blezard Valley, Omer has retired from Frood on a late service pension. He joined Inco in 1943 during the war years.

Before coming to Frood Omer had worked underground at the Hollinger for 15 years, spent a year at Levack, two years with the Sudbury Hydro and five years with the City of Sudbury. At Frood he worked as nipper leader for 15 years and the past two years in the rockhouse.

Omer and Olive Dumais were married in 1924. They have four daughters, three sons and 14 grandchildren. The sons are



Mr. and Mrs. Ranger

Frank, Morris and Royal, and the daughters Jean d'Arc, who married Armand Brosseau of Levack, Bella (Mrs. R. Lalonde), Juliette (Mrs. L. Trotter), and Irene (Mrs. J. Grandmaison), all of Sudbury.

Omer is enjoying good health and hopes this spring to start working the small farm he owns near Chelmsford.



At a big banquet held in the Ukrainian National Federation on Frood Road in Sudbury, Teddy was the guest of honor and received a television set among other gifts. From left to right above following the presentation, are Eugene Senyca, Bill Daly, master of ceremonies Justyn Dobrowolski, Teddy himself, Pete Babinac, Father Slavchenko, Al Morton, Paul Tomchek and Copper Refinery assistant manager Graham Dick.

Teddy Moroz

Teddy Moroz, a top tankhouse man for close on 30 years, has been retired from the Copper Refinery on full pension but if Teddy had his way he'd keep on working. In good health and as enthusiastic about his job now as the day he started, Teddy was held in high regard by men and supervision alike.

In March of 1930 he helped Fraser-Brace complete the build-

ing of the Copper Refinery, then got himself a job in the tankhouse. That only lasted until fall but early the following year Teddy was back in the tankhouse to stay. A section inspector for many years he became assistant chief inspector in 1943 and chief inspector last summer upon the retirement of Paul Tomchek.

Teddy left the Ukraine in 1929 and on arriving in Canada headed straight for Frood mine and a job on 2800 level. That fall he went

into the bush and the following year came to the Copper Refinery.

Married in the old country in 1927 he has a son and daughter there but is not planning a trip at this time.

Teddy was a member of the Sudbury military reserve unit for four years during the last war and is a strong Legion man. "I spent lots of time there," he said, "and I'll probably spend more now."



1. All-time-great Jim Dewey, who uncorked bursts of the old dipsy-doodle, earned an assist. 2. A shot of Bob Goldham (ex-Toronto), the Kid Line's Yacker

Flynn, and Roy Conacher, former NHL scoring champ. 3. Sudbury Wolves' old captain, Nick Tomiuk, wheels at centre.

The Years Rolled Back as Sudbury Oldtimers Trimmed Ex-N.H.L. Greats 8-5

Over 2,000 Nickel Belt hockey fans went back down Memory Lane on a recent Sunday afternoon as they watched Sudbury Oldtimers play a sparkling exhibition match at the Arena against Hank Goldup's barnstorming NHL Oldtimers from Toronto.

It was surprisingly good and fast hockey, with the Sudbury oldsters scoring a decisive 8-5 victory, but the most enjoyable feature of the

meeting was the flood of memories it brought to mind of great years in the Nickel Belt's hockey history, the years of the Frodo Tigers and the Copper Cliff Redmen and the Sudbury Wolves.

Many a mighty NHL battle flashed on the memory screen too at the sight of old stars like Bob Goldham, Roy Conacher, Sid Smith, Gus Bodnar and Wally Stanowski.

With Lenkie Mangotich, the pride of Timmins-Schumacher Flyers, performing brilliantly in the nets and the old Kid line of Tatter McClellan, Yacker Flynn and Mauno Kauppi often working as smoothly together as if it were only yesterday, the Sudbury team had too much punch for the ageing pros. Hastie, Evanshen and Burton were another highly effective line. McClellan and McDonagh

each scored twice, and singles were tallied by Evanshen, Flynn, McKenzie, and Rebellato.

On defence Mangotich got good support from George DeFelice, Jack McKenzie, Johnny Baby, Jim Dewey and Nick Tomiuk.

Both teams were in good physical condition. The fans would like to see them tangle again.



1. A nostalgic sight, facing off at centre ice, was a now graying George Hastie. Opposite him in the picture is former Leaf Jackie Hamilton, 60 pounds heavier but still full of whiz. Others are Marty Burton, Nick Evanshen (facing camera) and referee Danny Newell. 2. Bill McDonagh storms in on Long John Henderson, ex-Leaf Ronnie Hurst pursuing. Copper Cliff teacher McDonagh scored two goals.

BELOW: 1. Brilliant Lenkie Mangotich handles a point-blank drive from former Toronto Leaf Eric Pogue. Moving in to clear is ex-Olympic star Jack McKenzie, at back left Murray Ezzard (ex-AHL). 2. Ex-Bruin Long John Henderson drew laughs and whistles when he coaxed "Sammy" Bennett out on the ice for a twist exhibition, proving the old boys at least haven't been neglecting the social graces.





Was First Girl on Staff At the Thompson Plant

work there. "She started with us on August 5, 1959," recalled Manitoba division comptroller Ross Hawkins, "just after we moved in to the new office building."

Ena worked a short time as typist, then took over the switchboard, a post she handled pleasantly and efficiently. Assistant general manager H. W. Peterson spoke of her popularity as he presented her with a silver tea service

Another of the many "firsts" at Thompson was recognized recently with the departure from the Inco office of Ena Leach, first girl to

on behalf of the office staff members prior to her departure.

Ena leaves to devote full time to her wifely duties in the comfortable Thompson home that she and her husband Clarence enjoy. They have been married since 1961. He is employed with Cochrane-Dunlop Hardware. Miss Marilyn Kidd has taken over the Inco switchboard.

Some of the members of the Thompson office staff are shown with Ena in the above picture: left to right, Nan Nutschel, Sheila Rohwer, Mary Convey, Omer Franck, Eileen Wilcox, Tom Moody, Virginia Furutani, Bob Hutton, Tom Raynor, Ena Leach, J. Ross Hawkins, Bill Fingland, Harry W. Peterson, Cy Hennessey, Ron Doucet, Nora Ballentyne, Marion Moore, Tony Pothakos.

Jack McBrier

Jack and Frances McBrier are back in the land they both love, the beautiful country along the St. John River in New Brunswick, where they've happily settled down to live their long-cherished dream of retirement.

Their son Monty is close by, taking a shipbuilding apprenticeship course in St. John.

Jack's retirement as powerhouse superintendent at High Falls, the position he had held since 1950 when he succeeded Jack Weedmark, became effective December 19. He started with the Company as an electrician at Copper Cliff early in 1936, after several years of power plant construction work across Canada. He became maintenance electrician foreman in 1948.

Jack married Frances Montford of St. John in 1931. "I went to a party one night and there she was," he said. During the war she worked in the meter department at Copper Cliff.

Jack heard his praises sung at a big retirement dinner held in his honor at Sudbury Legion Memorial Hall. He was presented with power tools by Copper Cliff chief electrician Bob McIntyre.

An invariably cheery fellow and a firm friend as well as a highly competent operator, Jack is held

in the warmest esteem by all who knew him. He will certainly be missed around the circuit of the Huronian System power plants which were his bailiwick for so many years.

Robert Cochrane

Heeding his doctor's advice that a disability pension would be a wise move, Robert Cochrane is now giving his health all the special rest and care it needs.



Mr. and Mrs. Cochrane

Born in Fort Clarence, Quebec, Bob spent his early years on the farm. He also worked for several winters in the lumber camps as a timber culler. In the early twenties he and his brother went West to try their luck at farming but drought forced them to give up.

From 1925 until his retirement, with the exception of four years in the Royal Canadian Navy from which he emerged as Instructor 1st Class, he has been working in the mechanical department of the Port Colborne Refinery as a machinist. Superintendent Chris MacPhail

said he was a first class tradesman in every respect. He is respected by all who have had the pleasure of working with him during the past 38 years.

In his younger days Bob was very active in sports, particularly tennis, baseball and bowling.

He married Violet Sylvia Bates in 1924 and their family are Elenor (Mrs. William Bentley), Jane (Mrs. Donald Roy) and Jack, a former Incolite and a well-known hockey player.

A delegation of his workmates visited the Cochrane home to present Bob with a purse of money as a token of their friendship and goodwill, wishing him and Mrs. Cochrane all the best for the years to come.



Mr. and Mrs. Royal

with Bell Telephone at the Bomarc Station in North Bay, and Ruth, a registered nurse, living with her parents. They have seven grandchildren.

A purse of money was presented to Ivan by C. H. Ott with the congratulations and good wishes of workmates in the mechanical department. He also received a handsome souvenir lamp. J. H. Walter thanked Ivan for his valuable service to the Company and hoped that he and Mrs. Royal would enjoy a long and happy retirement. They leave soon for an extended holiday in the British Isles and on the Continent.

Ivan Royal

A long time member of the Port Colborne mechanical department, Ivan Royal has retired on service pension. He was born in Llanelly, Wales, where he received his education and then apprenticed as machinist with the Powell Duffryn Steam and Coal Company. During World War I he served with the Royal Engineers. Coming to Canada in 1920 he worked for the St. Lawrence Starch Company in Port Credit and A. G. Sannacks, Niagara Falls, before joining Inco in 1922.

For nearly 41 years Ivan Royal has demonstrated his "know how" in the machinist trade. His ability to get the job done earned him promotion to shop foreman in 1937. He was respected not only for his skill as a tradesman but also for his sterling qualities as a gentleman in all his dealings.

Genevieve Spencer became Ivan's wife in 1926. They have three of a family: Jack, an insurance adjuster at Kirkland Lake; David,

INCO CLUB BUSY PLACE

Manager Vern Tupling reports a steady program of activities at the Sudbury Inco Club, with square dancing and bridge on Thursdays, bingo on Wednesdays, dog training classes on Mondays and Fridays, league bowling every night, badminton, health studio, and first aid classes. The wrestlers will be back under the lights in April.



Mr. and Mrs. McBrier

Eugene Zanatta

One of the real oldtimers at Coniston, Eugene Zanatta has retired on full service pension and is thoroughly enjoying his leisure. A mechanic at the plant since he was hired there in December 1922, Eugene worked the last half dozen years in the machine shop.

He was born in the province of Treviso, Italy, 63 years ago and after serving four years in the war came to Canada early in 1921. "I had a brother at Britt," he said, "so I went there and worked two summers at the coal dock." He



Mr. and Mrs. Zanatta

came to Coniston in the fall of 1922 under the guidance of Joe Gobbo and started with the mechanics. "John Grey was master mechanic then, and later I worked many years for Frank Parker and then for Gordon Adams," he said.

Since he was holding down a good paying and steady job Eugene decided to get married and in 1925 Amabile Parolin became Mrs. Zanatta. Two of their five sons work at Inco; Severo in the Copper Cliff machine shop and Frank in smelter research; their daughter Diane's husband Ettore Giorgi works at Creighton. The other sons are Albino at Fort Erie, Eugene in Kitchener and Allan attending high school. Eight grandchildren round out this interesting family.

Eugene made a trip to Italy in 1955 but has no immediate plans for another. "I'm going to take a good rest," he said, "and next summer I'll spend more time in the garden." His son Severo has a camp near Cartier where Eugene hopes to spend more time this summer also.

Albert Roy

Albert Roy has retired from the fitters' gang on the nickel reverberatory furnaces at Copper Cliff on service pension. He had worked there 20 years, liked his job and the men with whom he worked. He was born at Rimouski, Quebec but left the farm when he was 19, came to Larchwood and a job with the



Mr. and Mrs. Roy

CPR. He spent two years overseas in the first world war, returned to Larchwood for a couple

Levack Mine and Coniston Had the Champion Fire Brigades



Levack mine fire brigade, under the leadership of chief George Passi, stood off a strong challenge by Creighton mine and retained its Inco inter-plant pumper brigade championship. The two brigades were tied for top spot in the regular competition, but Levack won the playoff, 58.8 seconds against 59.4. Eight other brigades were entered. The victorious Levack fire-eaters are shown above: front row, Dick Kanopoda, Lorne Parker, Tom St. Amand (lieut.), Ted Tuori, Rosaires Lauzon, Harry Kulmala, Len Leroux, Sinclair McKenzie, Ray Purvis, Roly Nadon (captain), Bob Mornan (deputy chief); back row, Al Cullis, Ed Kauppinen, Hank Bagnell, George Lockhart, Sid Kemp, Neil White, George Passi (chief). Not shown, George Secker, Aime Tessier, Cec Shailer, Bill Bushnell, Jack Delorme.

of years, then set up a barber shop at Cartier. In 1923 he joined Inco at Levack and worked there until the mine was closed down in 1931. Some time later he came to Sudbury and worked on construction until 1943 when he joined the fitters in the smelter.

Albert's first wife, whom he married in 1922, died in 1949. In 1951 he married Mrs. Germaine Rheume. He has four sons, one daughter and 36 grandchildren. The sons are Leo Paul at Frood, Morris and Bernard of Sudbury and Fern in Ottawa. His daughter Aline is the wife of Francis Grenon who works at Clarabelle Open Pit.

A man who enjoys hunting and fishing Albert now hopes to do more of both if his arthritis doesn't bother him too much. Right now, with his wife recovering from an operation, he has his hands full around the house.

Isak Kivisto

Frood has produced some outstanding miners during the past 35 years and high among that elite group stands Isak Kivisto. Small of stature, quiet and unassuming by nature, he was an acknowledged peer among raise drillers, handling a stoper with the sureness and finesse of an artist.

Isak has retired now on service pension although from his appearance who would guess he's 65 years of age. The last five years he has been working at Stobie, operating the tippie on 1400 level.

It was in 1929 that Isak went to work at Frood and he drove raises there until 1956 when he moved to Stobie. "I drove raises all the way from 3100 to surface," he said, "and drove a couple at Stobie too." One of his early jobs at Frood was driving number one fill raise from 2800 to 2400 level.

He came to Canada from his native Finland in 1923 and headed



One of the three Coniston entries, Andy McLean's shift, took the honors among the 13 non-pumper brigades entered in the annual competitions conducted by Inco fire inspector W. A. H. Humphries. Copper Refinery (Aubin) was runner-up, nine seconds behind the winners. The champs are pictured above: back row, Andy McLean (chief), Alex Rivard (deputy chief), Henry Ouellette, Keith Rafuse, Pete Davis, Paul Cormier, Sid Kosiw; front, Pete Lalonde, Cyril Riles, Bernie LaPlante, Angus Strachan. Mr. Humphries congratulated the winners and thanked all 23 brigades for their efforts.



Mr. and Mrs. Kivisto

for South Porcupine and a job at the Dome. "I drove raises there with a leyner," he recalled. "And dry too!" Later he spent a summer sinking shaft near Kirkland Lake, then returned to Finland in 1929. He was back in Canada that

same year, coming directly to Sudbury and a job at Frood.

Hilda Koskela came over from Finland in 1924 and married Isak. Their daughter Karenn is the wife of Ed Turcotte of the Frood engineering staff. They have two grandchildren.

Isak has a fine terraced garden at his home in Sudbury and it along with his camp at Long Lake, fills his summer days. "I'll take it easy this winter," grinned this master miner. "I do lots of walking and there is always something to do around the house."

A preacher says playing golf makes him think. But being a preacher, he doesn't say what it makes him think.

John L. Maki

"It took nerve to decide to sell out and come east," said Jack Maki, recalling the drought years of the late thirties in Saskatchewan. "But it turned out to be a good move," added Mrs. Maki who was Mrs. C. Laine before she and Jack were married in 1930.

It was in 1937 that they came to Sudbury and John L. Maki — to distinguish him from several other local Jack Makis — was soon employed at Frood. He worked for a time on the lower levels, then drove raises on 2200 level and other sections of the mine. Later he worked many years as a shaft inspector and the last couple of years as a pumpman.

Born in the mining country of northern Michigan in 1898 Jack



Mr. and Mrs. Maki

was raised in Saskatchewan where his parents were among the early homesteaders.

The Makis have a fine large family spread over many parts of the world, and corresponding regularly with them give Jack and his wife a great deal of pleasure and an armchair travelogue that keeps them alert and informed on a variety of subjects.

Members of the family are Bert in British Columbia, Elsie (Mrs. C. Thurston) of Flin Flon, Len and Mabel (Mrs. P. Cecille) in London, Ontario, Harold (better known as Paddy), an Inco geologist presently in New Caledonia, Doris (Mrs. J. Arnold) of Port Arthur, Edna in

Transportation Employees Entertain Their Ladies at Annual Party



More than 200 came away from the Sudbury Caruso Club the night of February 8 declaring the third annual dance of the Transportation Benefit Association the best yet by a long pull on the whistle cord. An organization of Inco transportation department employees, the benefit association has Leo Gauthier as president, Doug Brennan as vice-president, and Alf Mash as treasurer, and these three were largely responsible for the success of the big party.

San Francisco, Gilbert of Sudbury, Mel a geologist in Venezuela, Gordon with the RCAF on the east coast, and Joyce who married Henry Nelson of the Copper Cliff warehouse. In addition there are 19 grandchildren and three great-grandchildren.

The Makis live comfortably in Sudbury's west end. Many unusual souvenirs of other lands they have in their home are interesting reminders of the travels of their family.

Item in a gift shop — "For the Man Who Has Everything: A calendar to remind him when the payments are due."

Attention everyone driving a stolen car! Please drive carefully! You're in enough trouble already.

—Wayne and Shuster.



At the midnight intermission the guests sat down to a sumptuous chicken and spaghetti spread, to which everyone did full justice. Some of the happy crowd are seen in the above photographs.

Levack Ladies Enter Curling's Hall of Fame



If anyone had a shadow of doubt (perish the thought!) about the calibre of ladies' curling at Levack, this picture would certainly take care of it. Although they had to get along without their second, Dorothy MacKeigan, who was unavoidably absent, these three girls racked up a thrilling 8-ender, curling's grand slam, in a Shields Trophy match against Betty Taylor's rink. Left to right are Freida Kavaluk, lead, Jean Koski, skip, and Rita Kelly, vice-skip.

Beryl Carmichael

Beryl Carmichael has been sidelined from the electrical gang at Copper Cliff with heart trouble. Born in Michigan in 1911 he has been a Sudbury resident most of his life and is the only grandson of one of Sudbury's early settlers. "My paternal grandfather Robert



Mr. and Mrs. Carmichael

came here in 1888," he told the Triangle, "and the old family homestead still stands at Minnow Lake."

Beryl began his electrical apprenticeship with a Bell Telephone line gang working the Huntsville-Warren area. Later he worked for

a time at the McVittie power plant near Burwash, then in 1934 got a job at the Copper Cliff smelter. "Pete McDonald hired me," he recalled, "and I started working for Pop Acheson on graveyard shift."

In 1939 Beryl joined the Royal Canadian Engineers, returning to Copper Cliff in 1945. He started with the electricians then and was leader of a construction gang at the mill the past eight years. He had previously worked over most of the plant.

His first wife Irene O'Neill died in 1942, after a marriage of 10 years. A son Beryl works in the mill and another, Gordon, is in Windsor; there are two grandchildren. Beryl remarried in 1960. Vera Cornish becoming his wife.

The Carmichaels have built a modern home close by the old homestead at Minnow Lake where Beryl's constant companion these days is his faithful, 11-year old cocker spaniel Skipper.

Although he hopes to get some part time work, right now he is taking things mighty easy and admits, "It's not a bad life but you sure have to watch the old weight."

George Burke

George Burke was a foreman in the electrolytic refinery in Port Colborne until he wisely heeded nature's warning and his doctor's advice to relax and retire on a disability pension.

He had worked in the electrolytic refinery since 1934, starting as a process laborer, then moving to the pacifica floor where he was a cementation and subforeman. He



Mr. and Mrs. Burke

was appointed foreman in 1959. A man with a thorough knowledge of the goings-on in the entire building, he went about his duties quietly but always obliging and willing to co-operate with all.

Born in England 54 years ago George came to Canada with his parents at the age of three. His early schooling was at the Hilltop in Wainfleet, after which he attended the Port Colborne High School. He worked at the plumbing trade with F. C. Kulow and Son for eight years before joining Inco.

In 1931 he married Helen Huffman. They have two sons, Richard and Ronald, both with the Ontario Provincial Police, and six grandchildren.

At a retirement party held at Cedar Bay, George received a power saw and planer from his workmates as a token of their friendship and esteem. Assistant Manager, J. H. Walter expressed Inco management's thanks for a job well done and hoped that George and Mrs. Burke would long enjoy his retirement.

Russell Lampman

Russell Lampman is now going to spend much of his time at his summer home eight miles north of Parry Sound, where he says the hunting and fishing are the best in the world.

Russell has retired on early service pension after 23 years with the Company. He was born in the Welland area and worked for a



Mr. and Mrs. Lampman

time at the Empire Cotton Mills, Canadian Dredge and Atlas Steels before joining Inco at the Port Colborne Refinery as a pipefitter in 1940.



Moment of Glory

Although their hopes of representing Northern Ontario in the Canadian curling championships went oglimmering in the next round at Elliot Lake, Bud Rodd's rink from Levack had their moment of glory when they won their zone playoff at Sudbury Granite Club from a formidable field that included the NOCA grand aggregate champion, Dan Harry of Copper Cliff. In the picture sk'p Rodd is at 6 o'clock, lead Ron Pettit at 9, vice Ron Lake at 12, and second Stan Zamojski at 3. The Levack schoolboy rink of Rick Hilton, skip, Lorne Jessop, vice, Tom Wright, second, and Mark Palumbo, lead, also won out in their zone playoff but came a cropper in the next round.

Caroline Bell became Russell's wife in 1929. Their daughter Marilyn is Mrs. Russell James and their son Rodger is a police sergeant on the Humberstone Township force. Six grandchildren complete the Lampman family.

At a gathering in the mechanical department Russell was presented with a purse by superintendent C. MacPhail as an expression of the esteem of his fellow workmates.

J. H. Walter thanked Russell for his stellar service to the Company and wished him and Mrs. Lampman many years of health and happiness together.

Lodovico Foresi

A familiar face around the Italian-Canadian Hall as well as at the Inco electrolytic refinery, Lodovico Foresi has retired on full service pension at Port Colborne. A cheerful man who took pride in giving a good measure of work, Lodovico was well regarded at the refinery where he worked since 1925. He first worked for Inco in 1922 but was laid off the following year. For the past 16 years he has been head stripper, a job which he performed to everybody's satisfaction.

When he arrived from sunny Italy in 1921 Lodovico's job was with the Grand Trunk Railway at Bridgeburg. Since then he has made two trips back to his native land.

Josephine Sandelli became Lodo-

vico's wife in 1924. The Foresi family are strong Inco people, both their sons also being Inco men. Gino in the mechanical department with 15 years' service and Alfred in the anode Department with 12 years' service. Lodovico and his wife are very proud of their five grandchildren.



Mr. and Mrs. Foresi

At a gathering of his workmates Lodovico was presented with a purse of money by assistant-to-the-manager C. H. Ott, who also thanked him on behalf of the Company for his faithful service and wished him and Mrs. Foresi health and happiness for many years to come.

FLEMING SHIFT RECORD

In a recent rundown of great safety performances at Froot-Stobie mine, a record of 243,964 shifts without a lost-time accident by George Fleming's shift between July 13, 1950, and April 24, 1958, was unfortunately omitted.

Alex Tomori

Alex Tomori has retired from the Nickel Refinery at Port Colborne on early service pension after 26 years.

It was in 1927 that Alex decided to leave Hungary and come to Canada where he soon found work as a farmer. He first worked for Inco from 1928 to 1931 when he was laid off due to the depression, so returned to the farm and stayed there until 1937 when he again entered Inco's employ. He has

Alex Tomori

worked in the leaching, sinter and anode departments.

In 1932 Alex married Wilma De-drezeni who died in 1940. His daughter Wilma (Mrs. John Loff) and son Charles, a teacher, and two grandchildren are his family in which he takes great pride.

Alex says, "I am going to take life easy. Cold weather gives me lots of trouble so when winter comes I'll be staying in the house".

Anode department superintendent Norman Hillier presented Alex with a wallet of money from his fellow workers, and J. H. Walter thanked him on behalf of the Company and hoped he would enjoy good health for a long, long time.

Safety Drive

(Continued from Page 5)

tacts by members of supervision, and the various other tools of Inco's accident prevention program are extensively used at Port Colborne. That they are paying off is obvious. All the other plants in the Ontario and Manitoba divisions will be watching in friendly rivalry as Port girds itself for big new safety achievements.

Operatic Society

(Continued from Page 5)

Welland, Port Erie, Fonthill, St. Catharines, Ridgeway and Crystal Beach as well of course as Port Colborne. Starting in September they travelled to rehearsals once a week, then from December 1 rehearsed twice weekly, on Wednesday nights and Sunday afternoons, right up to curtain time on February 3. "We love every minute of it," said a doctor from St. Catharines, just one of the roustabouts.

Being a member of Port Colborne Operatic often gets to be a sort of a family tradition. One of the society's first patrons and benefactors was the town's grand old man, George Smith; his granddaughter Leslie is a graduate of the chorus, now married and living in Toronto; a second granddaughter, Marsha, 17, was the slinky snake charmer of Carnival whose charms bewitch the front cover of this issue of the Triangle; and her young sister Georgia, who appeared as a child in The King and I, is eagerly looking forward to the day when she is old enough to become a regular member of the company.