

The Triad

DECEMBER 1977



The Triangle

Editor,
Rudolph Kneer



ON THE COVER . . .

The Sudbury Marian Singers, under the direction of Chrissie Nemis, have been contributing to the cultural life of the city since the group was formed in 1963.

The young ladies sing with joy, freshness and enthusiasm and have delighted audiences throughout Ontario.

Besides their many concert performances in Sudbury — the proceeds of which have been donated to charities — members of the group have given generously of their time and talent in celebrations of the liturgy in Catholic and Protestant Churches, and in entertaining patients in hospitals and nursing homes.

Practising for the forthcoming midnight mass celebration at Christ The King Church are, from left, Tanya Gorenc, Molly Hancey, Betty Szilva, Chrissie Nemis, Diane Coulterman, Cathy Miller, Moira Menard, Donald Gibbons and Eleanor Masotti.

December 1977 Volume 37, No. 12

Published for employees of the Ontario Division of Inco Metals Company, Copper Cliff, Ontario, P0M 1N0. Phone 682-0631.

You're Cordially Invited To Attend:

Copper Cliff Greenhouse Will Feature Christmas Display



Don't miss this year's special Christmas displays at the Copper Cliff greenhouse. That's little Kirsten Zinkie, daughter of Mr. and Mrs. Paul Zinkie, of Copper Cliff, admiring the colorful display during last year's showing.

Again this year, Inco's greenhouse on School Lane in Copper Cliff is inviting the public to enjoy its special Christmas displays. This fourth annual exhibition will feature poinsettias, cyclamens, amaryllis, azaleas, Christmas peppers, holly and new varieties of bromeliads. Also, many varieties of tropical plants, including African violets, Reiger begonias, lemon trees and miniature orange trees will be on display.

The displays will be available for public viewing beginning December 9 and continuing through January 2,

with the exception of Christmas and New Year's days. Hours run from 1:00 p.m. to 9 p.m., Monday to Saturday, and from noon till 9 p.m. on Sundays. Special hours will be in effect December 24 and December 31, from 1:00 p.m. till 6 p.m. On Boxing Day, the greenhouse will be open from 1:00 p.m. till 9 p.m.

In addition to housing tropical and temperate plants for display purposes, the twin greenhouses, which were officially opened in 1974, continue to provide a working area for Inco's program of agricultural research.

Editor's Note:

In light of current economic conditions facing the company, future editions of "The Triangle" will not include color photographs.

Also, commencing with this issue, "The Triangle" will carry a reduced number of pages.

Rudolph Kneer



Copper Cliff Highlanders Cadet-Lieutenant Susan Zohar pays tribute to Remembrance Day in the ceremony at the Copper Cliff Royal Canadian Legion.



Proud and pensive, George Clare, Inco pensioner and war veteran, remembers.

We Remember

Despite inclement weather, which seemed to prevail only for the duration of the official Remembrance Day service, participation was high for this year's ceremony in Copper Cliff.

Legionnaires led the Copper Cliff Highlanders' Cadet Corps and Pipes and Drums Corps in a parade to the Branch 224 Legion building, where cubs, scouts, brownies, guides and spectators gathered for the solemn occasion, which was marked by the laying of the wreath and a minute's silence.

The annual service commemorates Armistice Day, when, at 11 o'clock on the morning of November 11, 1918, the order was given to end World War I.

The official laying of the wreath — at centre is Inco Metals Company's Ontario Division president, Ron Taylor.

Cadet Captain Eric McLaughlin portrays the solemnity of the occasion.





Dr. Walter Curlook, senior vice-president, Inco Metals Company, reviews current world nickel markets and expresses his personal appreciation for the efforts of the Port Colborne people.



Gordon Machum, Ontario Division vice-president, smelting and refining, addresses the group and welcomes the 38 new members into the Port Colborne chapter of the Inco Quarter Century Club.

38 new members
inducted into Port
Colborne chapter of

Quarter Century Club

Thirty-eight new members were welcomed into the Port Colborne chapter of the Inco Quarter Century Club at a special dinner dance, held recently at Club Rheingold in Port Colborne.

Addressing those in attendance, Dr. Walter Curlook, senior vice-president of Inco Metals Company, reviewed events and conditions of world nickel markets, which led to the announcement of reductions in the work force at Copper Cliff, Thompson, and Port Colborne. "We

have been forced to make decisions and take actions that grieved us very much, but they were absolutely necessary for the continued well-being of the company. While very regrettable, we are confident that they are in the long-term interests of our employees, shareholders, and the communities in which we operate."

Dr. Curlook also explained that the situation would have been worse if utility nickel pig and shot had not been made

available, and expressed his personal appreciation "to the Port Colborne people who worked so hard to solve the various problems that were encountered in bringing these two new forms of nickel into existence and making them available for sale in such a short time."

Dr. Curlook added that "Among Inco's greatest strengths are its people, their experience and know-how. Employees like yourselves make it possible for the

Master of ceremonies at the recent Quarter Century dinner dance was Charles Ott, assistant to the manager of the Port Colborne nickel refinery.



From left, Gordon Machum, Ontario Division vice-president, smelting and refining; Sadie House and husband Roy, a senior clerk in the accounting department; Dr. Walter Curlook, senior vice-president, Inco Metals Company, and Warner Woodley, manager of the Port Colborne nickel refinery. Roy smilingly accepts his Quarter Century pin.





Port Colborne nickel refinery manager Warner Woodley thanks the new inductees for their continuous efforts over the past 25 years and expresses his confidence in the Port Colborne operation.



Audrey Ott, wife of Charles Ott, assistant to the manager of the Port Colborne nickel refinery, pins a corsage on Mrs. Tony DeTiberis. All of the ladies present received a corsage.



Exchanging pleasantries are, from left, Alex Zahavich, superintendent, electrical department; Dr. Walter Curlook, senior vice-president, Inco Metals Company, and Gene Winter, superintendent, process technology.

company to move quickly and with confidence, and this gives us a great edge over our competitors in other parts of the world."

Gordon Machum, Ontario Division vice-president, smelting and refining, welcomed the new group into the Quarter Century Club, and Port Colborne nickel refinery manager Warner Woodley expressed his confidence in the continuance of the Port Colborne operation

as an integral part of Inco Metals Company.

As the evening's proceedings continued, the new members were introduced by their superintendents and given their Quarter Century pins by Dr. Curlook, while Gordon Machum presented the ladies with a special gift.

Master of ceremonies for the occasion, Charles Ott, assistant to the manager of the Port Colborne nickel refinery, thanked all of the guest speakers for their

attendance and remarks, then introduced the Regional Cavaliers, who provided music for the dance that wrapped up the evening's events.

The following week, the 28th annual dinner meeting of the Port Colborne chapter of the Inco Quarter Century Club was held at the recreation hall of the nickel refinery. A large turnout enjoyed dinner, entertainment, and the opportunity to renew old acquaintances.

Joe Virag, left, a member of the Port Colborne nickel refinery's yard, shipping, and shearing department, looks on as his wife Rena accepts congratulations and a gift from Gordon Machum, Ontario Division vice-president, smelting and refining. The 38 new members of the Port Colborne Quarter Century Club received their pins from Dr. Curlook.



Reg Steeves, Inco pensioner, supplies dinner music, while the Regional Cavaliers provide music for the dance that marked the end of the evening's program.





An Incolte for over twelve years, Jack Fraser is a plant protection officer in Copper Cliff. Along with wife Elizabeth and daughters Teralee, 4, and Lori-Lynn, 8, Jack enjoys the family's fine home, situated in a country setting along Long Lake. Cross-country skiing and swimming are listed as family hobbies.

Family Album

A dedicated outdoorsman, Yvon Gareau is a loaderman in the FBR shipping department in Copper Cliff. During the summer months the family enjoys numerous camping trips. With wife Angemai are children, front row, from left, Julie, 6, and Diane, 9. Back row, from left, Daniel, 12, and Robert, 13.



Proud father of this family is Gord Pearce, administrative assistant at the Iron Ore Recovery Plant. That's wife Kate, son Andrew, 2, daughter Amy, 4, and the family's pet, "Brandy". An avid curler, Gord, along with his family, enjoys spending time at his camp during the summer months.

Paul Quesnel is an ironworker in the mechanical department of the Port Colborne nickel refinery. In his spare time he enjoys looking after his home and serving the community through a service club. That's Paul's wife, Pearl, with daughters, from left, Pauline, 24, Bernadette, 22, Yvonne, 16, Lucille, 19, and Brenda, 26.





Art Van Allen, left, in charge of the Creighton mine pumper brigade, led his group to victory, making it 7 in a row for Creighton. Front row, from left, Art, Ernie Chenier, Tom Perry, Charlie Quarrel, Bill Zyma, Saul Sherbanuk, and Jim Stefanko. Back row, from left, Connie Moxam, Bill Dumencu, Red MacDonald, and George Sutton.

Creighton Mine Wins Seven In A Row

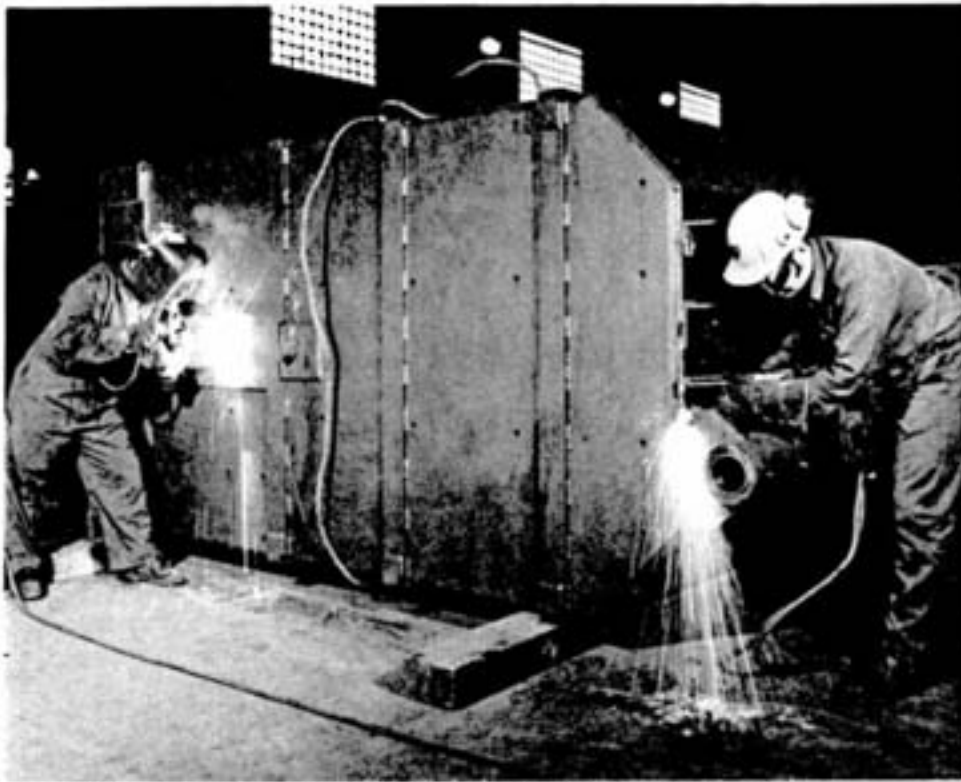
Inco's annual fire brigade competitions have been held since 1946 and, while timing has been the key factor in the past, as of this year more emphasis is being placed on procedures and technique. The new format, recommended by Inco's assistant fire inspectors, has been well received; in fact, all participating teams

have clearly indicated their preference for this new method of judging.

Winner of the non-pumper division was Copper Cliff South mine, with Ron Geddes in charge of the brigade; Art Van Allen's Creighton mine brigade took first place in the pumper division, making it seven years in a row for Creighton!

Winner of this year's non-pumper brigade competition was Copper Cliff South mine with Ron Geddes in charge of the brigade. Front row, from left, are Gerry Carriere, Ken Landry, Vic Collin, Clyde Specht and Don Blue. Back row from left, Bill Moffatt, mine superintendent; Clinton Jones, Len Hirvela, John Stos, Harold Pleuna, Bob Croteau, Ron Geddes, and John Brodie.





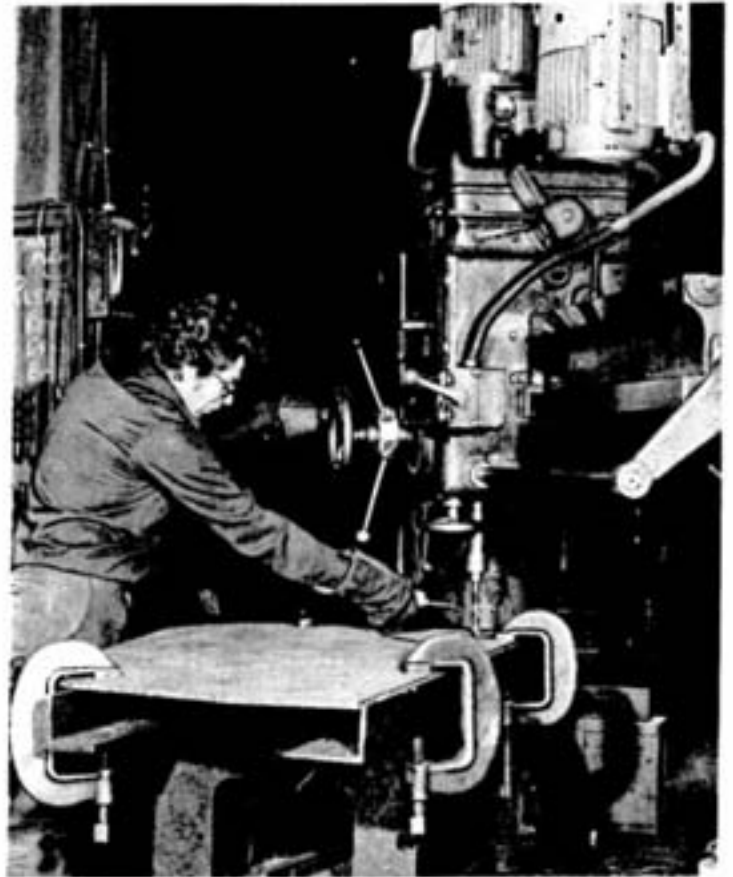
Central Skip

Located at
Creighton

Joe Noel, left, first class welder, repairs cracks on the roller bracket of a Frood mine skip while Paul DiFant, second class plateworker, burns off trunion-bearing housing.

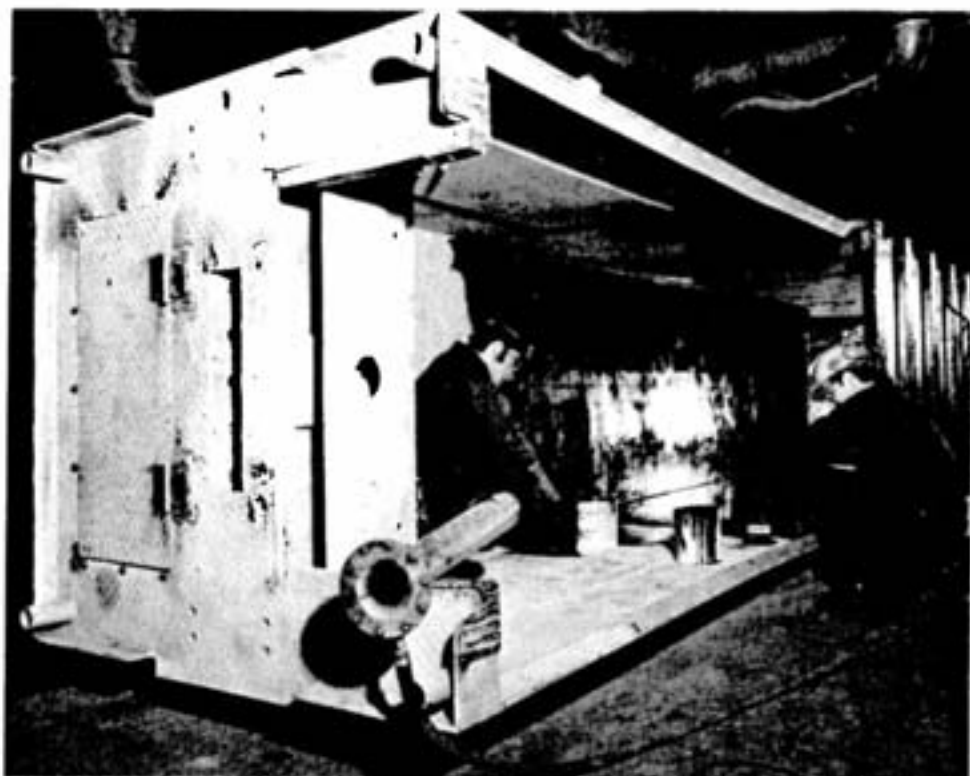


Ken Cummins, plateworker apprentice, operates an automatic burner to cut the liner plates needed for skip repairs.



At the drill press, Doug Jarvo, second class plateworker, drills and counter-sinks steel liner plates.

Repair Depot Complex



Applying a coat of paint to a repaired Levack skip are Tom Willgos, left, first class plateworker and Richard Jones, second class plateworker. The skips weigh 8 to 10 tons apiece.

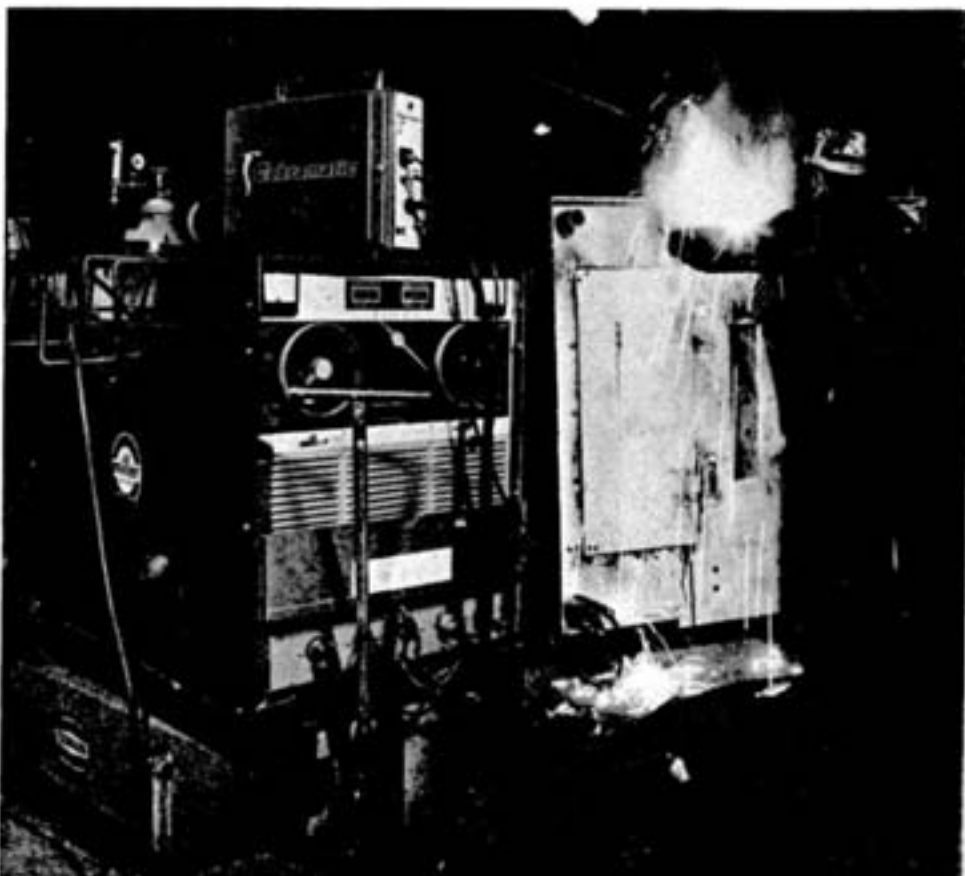
Headquarters for the repair of all of Inco's skips and cages in our Sudbury area mines, the central skip repair depot has been located at the Creighton complex for the past three years, following a move from the Froid-Stobie complex.

The skips are on a regular maintenance schedule, which means that when a skip has hoisted a predetermined tonnage, it's automatically sent in to the depot for a major overhaul.

Maintenance foreman Joe Lalonde mentioned that "We depend on the machine shop to do all the machining required on the skips and cages, and our blueprints are kept up-to-date by the engineering department in Copper Cliff."

"Every time we have a repair," he said, "we call in the non-destructive testing group from Copper Cliff to inspect the skips and cages for defects; their special tools can sometimes pick up faulty areas that our equipment might not spot."

Joe, who has almost 30 years with the company, added that "We average from 52 to 60 repairs per year, and in all the time I've been with the company, we've never had to replace a skip yet; they've always been repairable."



Frank Priddle, first class welder, repairs cracks on a Levack skip. As many as 60 skip repairs are performed each year in the central skip repair depot at the Creighton complex.

High Inco participation in

Nickel Centre Fire Department



The latest in fire fighting apparatus incorporates pump, water tank, 75-foot aerial ladder, hose, and ground ladders.

Gerald Charbonneau, right, explains pump operation to, from left, Bill Kyrlyuk, driller, Garson mine; Ellis Moratz, pillar leader, Garson mine; Rod Jarmovitch, machinist, Clarabelle open pit, and Ken Prestage, first class electrician, Garson mine.



In January of 1973, with the advent of regional government, the Nickel Centre Fire Department was formed to serve a population of some 14,000, spread over an area of 149.9 square miles.

Funded by the Town of Nickel Centre, the department is now comprised of five stations: Garson, Falconbridge, Coniston, Wahnapiatae and Skead, with central headquarters based in Garson. In all, ninety firemen are available day and night and, of the 23 men at the Garson station, almost half are Inco employees. Members of the No. 1 Garson station attend regular training sessions each week, covering such related subjects as performance of hydraulics, proper rescue methods, effective resuscitation procedures, and the correct use of ladders and pumps.

In addition to a full complement of manpower, the department has 11 fire-fighting vehicles at its disposal and has just recently acquired a modern alerting system which greatly adds to the efficiency of its operations.

But while the department's reputation for efficiency has been widely acclaimed, it's wise to remember that an ounce of prevention is worth more than a pound of cure!

The department serves
a population of nearly
14,000 and covers an
area of approximately
150 square miles.



Gerald Charbonneau, left, fire chief of the Nickel Centre Fire Department and Fred Janiszewski, process chemist at the Iron Ore Recovery Plant, check out the rescue saw used to free people trapped in vehicles; it also provides ventilation by cutting through solid, closed-in areas.

Ken Prestage, first class electrician, Garson mine, demonstrates a new type of pull-out bracket which stores and quickly releases an air pack. Use of the bracket was introduced by Nickel Centre firemen.



Bob McFarlane, left, maintenance blacksmith, Garson mine, and Fred Janiszewski, process chemist, IORP, inspect a resuscitator which is part of the regular equipment carried on all fire-fighting vehicles.





Grade 5 students Ann Marie Crossen, left, and Darin Jones add the final dabs of paint to "underground hoists" which are part of the school's new decor.



Composing a story about underground operations, Grade 2 pupil Sean Murray learns that the mining project also develops language arts and comprehension.

Garson school is transformed into a surface and underground mining operation

INCOBRIDGE MIN

Grade 5 students, with the help of teacher Al Nichols, were soon able to give "tours" of their "mine" to invited parents and friends, as well as schoolmates in other grades. Obviously, the students are quite proud of their efforts, and justly so!



Picture this . . . an ordinary public school transformed into a surface and underground mining facility, with teachers becoming operations supervisors and students acting as tour guides; where classrooms turn into drifts and corridors become stopes. . . .

And picture this . . . little seven-year-olds being able to explain the workings of a mine and the uses of various mining equipment; eleven-year-olds understanding the purpose of associated mining functions such as milling, smelting, and refining. . . .

Well, Robert Jack Public School in Garson was recently the scene of just such an activity and the project, just now completed, has done much in the way of thoroughly familiarizing the youngsters with all aspects of the mining industry.

The program, involving grade 2 and 5 students, was called "Identity with our Mineral Resources: People and Processes" and was held in conjunction with a national social studies curriculum research project, sponsored by the University of British Columbia and the Canadian Institute of Mining and Metallurgy.

While the project zeroed in on mining,



Grade 2 pupils Derek Jolly, left, and Laura Fader explain the workings of an underground mining operation to a supply teacher, who was quickly whisked away for a tour of the "Mine" in the background is part of a model put together by the students, complete with headframe and underground workings.



Verna Nichols, secretary of Robert Jack School, acts as "mine" receptionist as she welcomes interested parent Russ Farnal to the school's new "mine".

NING COMPANY

it also helped the children to understand a variety of things: many people with many different kinds of jobs work for a mining company; interdependence exists among workers in the community; people can make changes in their environment; and through technology, people can do things not normally possible. The impact of the project was simultaneously worked into environmental studies, spelling and word skills, mathematics, and the use of reference materials.

Totally absorbed in the two-province program is Margaret Winkel, grade 2 teacher and vice-principal at Robert Jack, who was not only a driving force behind the project, but is also part of a writing team which will provide results of specific teaching techniques and a summary of the effectiveness of the project.

Margaret expressed appreciation for Inco's role in the project, providing such materials as safety glasses and safety hats, as well as special information and teaching materials. Said one enthusiastic seven-year-old, rather proudly, "Ever since we made this mine, the phone hasn't stopped ringing, with people who want to tour our mine."

Gee. Sounds familiar!

Demonstrating the need for special steel-capped rubber boots are, from left, Sam Laderoute of Inco's public affairs department, pupils Richard Carter, Christopher Dougherty, Lorianne Mountain, and grade 2 teacher Margaret Winkel, acting "operations supervisor".





Nell Chmielek, left, assistant decomposer operator and Doug Wilson, assistant reactor operator, operations department, IPC plant, Copper Cliff nickel refinery, perform a routine inspection of MSA back packs.

One of the two main operations at the Copper Cliff nickel refinery is the famous Inco Pressure Carbonyl process, which recovers pure nickel from a variety of nickel-bearing feed materials. The process stream is more complex than any of Inco's existing facilities, and features the most sophisticated of environmental controls, in order to provide maximum employee safety and protection.

In addition to dust-handling systems, atmospheric monitoring systems, and a constant changing of the plant's atmosphere, a breathing air system manifold throughout the IPC plant supplies air, which is used in conjunction with breathing air masks when routine equipment maintenance is required.

On the few occasions when employees use self-contained breathing apparatus, MSA back packs are used. They have a capacity of about 40 cubic feet at approximately 2000 psi, weigh about 32 pounds each, and can last for approximately 20 minutes.

Rather interesting, when you consider you can't SEE air, but you can hook up to it, or take it with you!

Wearing Air at the IPC Plant



While collecting gas samples for content analysis, "Hilly" Gilchrist, process assistant at the nickel refinery, wears a breathing air mask which receives air from the IPC plant's breathing air system manifold.



At the IPC plant's No. 3 reactor, "Hilly" Gilchrist, left, and Harvey Gere, safety supervisor, Copper Cliff nickel refinery, review leak-checking procedures, using a propane torch.

If you were going to

Put your life on the line

would you use a safety line that looks like this?



Your safety belt should be long enough to allow buckling in the second hole.



The safety belt and "D" ring should be checked frequently, to ensure proper maintenance.

Life lines are exactly what the name implies — they're used to save life. **YOUR** life.

Sure, it's part of the foreman's job to inspect the lines, but it's up to the individual who's actually going to wear the line to check and double check that the line is in first-class shape. It's your line, it's your life.

The company's standards regarding the use and maintenance of life lines are well-known throughout industry. Remember them, and use them:

If you have any reason, any reason at all, to suspect that a line is not fit,

remove it, give it to your foreman, and replace it. If it's obviously damaged, cut it in half and replace it with a new one; they're readily available at all of Inco's various operations. The cost of lines, no matter how high, is nothing compared to the loss of life.

Life lines **MUST** be worn when working within six feet of an open hole area, where a person may fall ten feet or more; life lines must also be worn when working off a platform or ladder ten or more feet above ground level, unless the platform is supplied with approved guard rails.

The line is to allow for no more than a

three-foot fall and, before using the line, a visual and physical inspection must be made by the user, checking for damage, inspecting the hooks and anchor plate, and making sure the line is anchored properly.

The life belt and "D" ring must also be examined to ensure proper maintenance; your belt should be of sufficient length to allow buckling in the second hole. And at no time are two lines to be connected by means of the snaps.

Remember, life lines are just what the name suggests — they save lives. So buckle up!

It's your life It's your line

Check the line visually and physically before use, as demonstrated here by Mike Brennan, a rigger at Frood mine, right.

The line is to allow for no more than a three-foot fall, far right.





A smiling **Michel Beland**, a second-year mining engineering student at Laurentian University, accepts the undergraduate scholarship of the Canadian Mineral Industry Education Foundation from **Hugh Judges**, Ontario Division planner of Inco Metals Company. The \$1,500 scholarship was presented to Michel after serious consideration of his academic record. Mr. Judges, in making the presentation, commended Michel on his fine scholastic record and wished the young scholar continued success in his studies and forthcoming career in the minerals industry. The scholarship is renewable for a total of three years and carries a maximum potential benefit of \$4,500.



Copper Cliff shift league hockey is alive and well and is, in fact, enjoying one of its better seasons with a resurgence of interest in the league. This is the Copper Cliff matte processing hockey team that will again be vying for top honors after winning last year's playoffs. Members are, front row, from left, **Gerry Mongeau**, **Harold Wall**, **Gerry Robitaille**, **Joe Ignace**, **Yvon Trotter**, **Mike Ackroyd** and **Paul Robitaille**, trainer. Back row, from left, **Jerry Lagrue**, coach **Rolly Desjardins**, **Don Losler**, **Peter Larose**, **Ron Simpson**, **Kelth Pettigrew**, **Don Belle**, **Ray Bedard**, **Ernie Bruggs**, **Mario Capodagli** and **Cecil Brown**.

Father and Son Lucky \$100,000 Wintario Winners



Who says lightning doesn't strike twice in the same spot? Just a few months ago, 30-year-old **Dave Fairbairn**, a drift driller at Garson mine, collected \$5,000 from Inco's suggestion plan. And just recently, on November 10 to be exact, Dave, along with his father **Stan**, were the lucky holders of Wintario Ticket 36361, Series 28, which paid off to the tune of \$100,000! "Along with my wife Kathy and my parents, we were watching the draw on television," says Dave, "and you can imagine our excitement when our ticket was drawn. I could hardly believe it!" Dave has it that he and his dad, a veteran of World War II, have pooled their resources to buy Wintario tickets ever since the lottery came on stream. His part of the \$100,000 windfall, \$50,000, has been deposited in the bank, and Dave says he has no immediate plans. "Rest assured, however," says he, "that Santa Claus will be stopping over at our place with loads of goodies."



That's **Alto Ahoelto**, a labor leader with Inco's agriculture department, as he is getting ready to shape the base of this 25-foot spruce, which will be positioned in front of the general office building in Copper Cliff. As in past years, the tree, which was shipped from Field, will be decorated for the upcoming festive season.

NEWSMAKERS . . . NEWSMAKERS . . . NEWSMAKERS . . .



Donna Mohns, left, secretary of the Sudbury and District Chapter of the Multiple Sclerosis Society of Canada, recently accepted an Inco Metals Company donation for \$1,000 from **Dick Beaver**, Ontario Division comptroller. In making the presentation, Mr. Beaver stated that, although small in numbers, local volunteers are performing very worthwhile work among the handicapped in the Sudbury area. Donna, long active with the Multiple Sclerosis Society, is employed as a clerk-stenographer at the Copper Cliff North mine.



The 17th annual dinner of the Toronto Chapter of the Quarter Century Club was held at the Royal York Hotel recently. **John McCreedy**, centre, Chairman and Chief Executive Officer of Inco Metals Company, is shown with the four new members inducted into the Toronto Chapter this year; left to right, **Einar Walli**, **John Dowsett**, **Alastair Finlayson** and **Dick Moore**.

Appointments

Homer Carr, smelter foreman, Copper Cliff smelter.

Georgio Certossi, process foreman, Copper Cliff smelter.

William Cotnam, programmer analyst, computer systems, Copper Cliff.

Edward Davey, supervisor of standards and specifications, engineering, Copper Cliff.

Herbert Fines, maintenance assistant, Frood-Stobie mill.

Robert Gallinger, smelter foreman, Copper Cliff smelter.

Edward Gamble, maintenance assistant, Copper Cliff nickel refinery.

Stephen Heddle, process supervisor, Iron Ore Recovery Plant.

Clark Lafamme, process supervisor, Clarabelle mill.

John MacEwen, maintenance foreman, Iron Ore Recovery Plant.

Thomas McDonald, senior process assistant, Clarabelle mill.

Lawrence Murray, process foreman, Copper Cliff smelter.

Terry Polkinghorne, maintenance assistant, Copper Cliff central shops.

Michael Throssell, mill supervisor, Shebandowan mill.



These are the members of Creighton mine's central skip repair depot who recently completed one year without a major dressing. Front row, from left, **Silver Roy**, **Marty Piche**, maintenance foreman **Joe Lalonde**, **Joe Giebe** and **Paul Moulaison**. Centre row, **Bill Mulligan**, **Steve Bejczak**, **Bill Ross**, **Floyd Armstrong**, **Richard Gratton**, **Doug Jarvo**, **Paul Difant**, **Ken Cummins** and **Tom Willgos**. Back row, **Garnet Phillips**, **Eldon Furlotte**, **Joe Noel**, **Clem Boal**, **Robert McLaughlin**, **Tom Jones**, **Harold Dewar**, **Jack Rauhala**, **Frank Priddle** and **Robert Furlotte**.

NEWSMAKERS . . . NEWSMAKERS . . . NEWSMAKERS . . .



An impressive display of eye protection equipment has been set up in the warm room of the Copper Cliff South mine. The idea for the display resulted from the co-operative attitude by members of the O.S.H.E. committee. Here maintenance foreman **Hans Dittman**, left, and surface laborer **George Solomon** inspect some of the numerous eye protection devices available at the mine site.



Working safely has become second nature to these members of the tankhouse department at the Copper Cliff copper refinery. The group recently won the refinery's safety shield for their exemplary safety performance for the month of October. That's **Nick Choppe**, foreground, centre, a selenium and tellurium operator, displaying the coveted shield. Nick, by the way, has worked in excess of 30 years at the copper refinery without any injury.



Wearing the proper eye protection saved the right eye of conveyorman **Paul Lariviere**, foreground, when he was struck on the right lens of his safety glasses by a small chunk of muck at the 1950 level picking belt of Coleman mine. Reviewing the incident with Paul are mine foreman **Gerry Faubert**, left, conveyorman **Bill Boileau**, rear, and crusherman **Clem Carriere**.



Smiles reflect the mood of the occasion as surface crane man **Dennis Chartrand**, right, accepts last month's \$100 cash safety award at Coleman mine. Presenting the award is **Bob Armstrong**, mine general foreman.



Working side by side, painters and carpenters at the Froid mine carpenter shop have completed countless assignments, large and small. Here, **Albert Rondeau**, left, painter and **Dea Whissell**, carpenter, apply the varnish to their latest creation, a keyboard for the Stobie mine first aid room.

NEWSMAKERS . . . NEWSMAKERS . . . NEWSMAKERS . . .



A brake job may be a minor undertaking for the average garage mechanic, but a brake job on Inco's massive 75-ton haulage trucks is a two-man operation. Here first class mechanics **Vic Coufal**, left, and **Peter Kazmierow** team up to remove the axle on one of the large trucks at the Clarabelle open pit garage.



A workman's perfection and the knowledge of safe procedures are a must at the Levack mine machine shop. Here, machinist **Guy Filatrault**, right, machines a gland for a cylinder head used on underground car pushers. Looking on is machine shop foreman **Ed Kauppinen**. Triangle readers may remember Guy as the Logo writer for the June issue and captain of the first-aid team that captured top honors in the Senior Men's Open Provincial First Aid Competition.



The third annual Creighton/Crean Hill retirement party honouring past and current retirees was held recently at the Walden Community Centre, with approximately 240 in attendance. The affair was organized by Creighton 9 shaft employees **Gary MacLean**, mine general foreman; **Will Rochefort**, mine general foreman; **Bob Hughson**, maintenance general foreman; **Kathy Lytle**, PM clerk, maintenance office, and **Bob Russell**, general foreman, safety, for the Creighton complex. Above, **Ted Flanagan**, left, superintendent, Creighton 9 shaft and **Jim Ashcroft**, right, superintendent, Crean Hill, flank three of this year's retirees — from left, **Art Marson** with wife Edith, **Frank Young** with wife Doris, and **Roy Wellings**. The centre photo shows **Peter Venus**, superintendent, Creighton 3 shaft, between retirees **Keith Henderson**, left, and wife Mae and **Andy Kutchaw**, right, with wife Mary. In the bottom photo, **Paul Parker**, centre, manager of the Creighton complex, chats with retirees **Ed Cayen**, left, with wife Joan and **Ed Chateauvert**, right, with wife Nora. Absent retiree was **Bob Nelson** and wife Toini.



NEWSMAKERS . . . NEWSMAKERS . . . NEWSMAKERS . . .



A group of students of the Laurentian University School of Engineering were welcome visitors to the Copper Cliff mill, the flash furnace and the converter area recently. From left, **Professor J. R. Rawling**, students **Colin Flett**, **Suzanne Michaud** and **Jerry Barriault** are in discussion with Inco's **Rudy Tenbergen**, of the process technology mineral dressing test centre. Professor Rawling heads up the new mineral processing degree program in the Laurentian School of Engineering. Object of the extensive visit was to give the students a first-hand idea of how performance in a mill can influence the operation of a smelter and how significant a fraction of the effort of winning metals goes into ancillary operations such as materials handling and flue dust collection. Inco Metals Company has taken an active interest in lending support and assistance towards the establishment of the new degree program.



Salvation Army Captain **Ray Moulton**, left, recently accepted a \$4,000 donation from **Bill Taylor**, superintendent of drilling, Ontario Division, Inco Metals Company. The company's contribution will be used to cover part of the expenses incurred at the Salvation Army's alcoholic treatment centre in Sudbury. The centre was opened in October, 1976.



It's not very often that a "Three Star Secretary Award" is presented to a member of the Loyal Order of Moose. According to **Ross Chadwick**, left, a diamond driller at Crean Hill mine and the governor of the Sudbury Lodge No. 230, Loyal Order of Moose, the coveted award was recently presented to **Claude Plette**, centre, mine engineer at Coleman mine and secretary of the local chapter. The presentation was made during the Lodge's 49th anniversary celebration, held at the Village Inn in Sudbury. **Rev. Father Brian McKee**, right, was a guest speaker during the evening's festivities.



Levack mine's **Matias Cindric** is a man who gets his job done "bit by bit", and since he is the mine's bitman, he's kept pretty busy. After each shift, the drillers drop off the day's bits at the bit shop, where Matias sorts them and sends them out for sharpening.

NEWSMAKERS . . . NEWSMAKERS . . . NEWSMAKERS . . .



That's **Mike Malloy**, audiometric test coordinator, at the controls of the new clinical audiometer, one of the most modern hearing test units available to industry. The unit is invaluable in obtaining information relative to employees' hearing problems.

For up-to-the-minute information,
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Inco Hotline

Sudbury 882-0626
Port Colborne 835-2454



That's a 1906 pocket diary and year-book Creighton mine's general maintenance foreman **Bert Blackwell** is showing to **Ray Condle**, left, area maintenance superintendent, and **Bill Peacock**, right, a Creighton mine maintenance mechanic. Bert says the book belonged to **David Butchard**, a master mechanic at Creighton mine back in 1906. He found the book in a corner of the old master mechanic's office a short while ago. Says Bert: "It's quite something scanning through its pages. Man, how times have changed!"



Congratulations are in order to these members of the Iron Ore Recovery Plant maintenance department who have worked since June 9, 1977, without a single medical-aid injury. Now in first place in the smelting and refining plant standings, the group was recently presented with the IORP interdepartmental safety shield which they have won four months in a row.

NEWSMAKERS . . . NEWSMAKERS . . . NEWSMAKERS . . .



An excellent turnout was recorded at the 23rd annual Foot-and-Hangingwall curling bonspiel, sponsored by the Copper Cliff exploration department. The two-day event, staged at the Copper Cliff Curling Club, saw 120 curlers vying for numerous prizes. Above, top prize winners accept their trophy from **Joe Church**, supervisor, field operations. Members of the winning team are **Paul Smith**, skip; **Larry Arsenault**, vice; **Gord Pedersen**, second; and **Will Lambo**, lead. Below, second event winners, from left, **Bill Grozelle**, skip; **Bob Mel**, vice; **Harry Valbecka**, second; and **Ernie St. Goddard**, lead. According to bonspiel chairman **Wayne Rodney**, participants for the event came from as far as Whitehorse, The United States and New Brunswick.



Kenneth A. DeLonge, senior vice president and a director of Inco Limited, retired recently after more than 40 years of service with the company. A respected and internationally known metals-industry executive, Mr. DeLonge was elected senior vice president of Inco Limited in 1973 and a director in 1975. He had served as president and chief officer of The International Nickel Company, Inc., Inco's United States marketing subsidiary, from 1972 to 1973. He joined Inco as a staff-member of its research laboratory in 1937. He subsequently was in charge of Ni-Hard cast iron development, was sales manager for the Pittsburgh region and then manager of direct sales of primary nickel. In 1961, Mr. DeLonge was charged with forming the company's first market development activity in the United States, an organization he headed successfully for nearly a decade.



World's Smallest Hole

The world's smallest hole measures one ten millionth of an inch — or one thousandth the diameter of a human hair. A news story in Inco's marketing magazine *Nickel Topics* says the hole is so small it takes four months for one cubic centimetre of gas — about the volume of one pair of dice — to pass through. The ultra-precise opening, or "microvent," was made by first drilling a "large" hole with a laser beam and then gold-plating to reduce it to the final diameter. A cone was then attached to a hermetically sealed microcircuit to be used in leakage-rate experiments. The basic cones are fabricated on a multiple stainless steel mandrel rotating in a sulphamate-nickel bath. The microvents are used in experiments by Martin Marietta Aerospace to establish precise leakage rates for hermetically sealed integrated circuit packages.

Logo Writer



Tony Jurgilas

This month's logo writer is none other than Tony Jurgilas, a 20-year veteran at Inco's Frood-Stobie mine.

With the exception of a short stint at Stobie, Tony has been a driller at Frood ever since he hired on with Inco back in 1957.

"I spent most of my time in cut-and-fill stopes," says Tony, "and I have yet to meet the guy who can tell me anything about mining."

Tony was born in Lithuania and left his home country for Canadian shores in 1948. After a short term with the CPR,

he left for Montreal where he hired on as a tailor with one of the larger clothing manufacturers.

"I liked the job," says Tony, "but I soon felt that I could do better at some other type of work." At which time he headed for Sudbury and commenced his employment with Inco.

"I have enjoyed my job throughout these years," he says, pointing out that he has never missed a day's work on account of sickness.

Tony and his wife Lorraine live in New Sudbury, along with their three

children, Sandra, 18, Tony, 17, and Kimberly, 7.

According to Tony, Sudbury is a good place to raise a family. "There isn't any other place I would rather live", he says. Tony was back last September to visit his two sisters still living in Lithuania and says Canadians have no idea how lucky they are to be living in this country.

Oh, yes, Tony still tailors his own clothes and enjoys doing it. By the way, the jacket he's wearing is one of his latest creations. Says Tony, "a perfect fit, and at a reasonable cost, too."



*Wishing you Peace,
Happiness and every joy
for Christmas
and the New Year.*

*Sincerely,
Ron Joyce*

President, Ontario Division
INCO METALS COMPANY