



The Triangle

NOVEMBER 1976

The Triangle

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Editor,
Rudolph Kneer, Copper Cliff



On the cover . . .

It's that magical time of year, when
leaves bow to the first bite of frost and,
in a final bid for power, burst into
flaming golds and reds!

Perhaps there's still time for you to
take that drive down your favorite
country road to take in the annual
spectacle.

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A famous Copper Cliff landmark, the Stanley Stadium, which has served the community for over 40 years, has finally met the wrecking ball. Opened in 1935, and named after past Inco Chairman Robert C. Stanley, it has hosted numerous activities in addition to hockey over the years; there were the amateur contests of the late 1930's, curling bonspiels, band concerts, community festivals, skating shows and figure skating competitions. Inco Limited has donated the property and equipment to the Regional Municipality of Sudbury, and a new stadium on the same site is scheduled for completion in 1977.

Appointments

Bob Ballantyne, senior industrial
evaluator, industrial engineering,
Copper Cliff.

Blair Buchanan, programmer,
computer systems, Copper Cliff.

Bruno Cenedese, survey party leader,
Shebandowan mine.

Bernard Coyne, programmer, computer
systems, Copper Cliff.

William Fisher, technician,
engineering, Creighton mine.

Tom Flynn, supervising industrial
evaluator, Copper Cliff.

Fred Gillett, superintendent, Clarabelle
mill, Copper Cliff.

Donald Gilpin, senior chemist, process
technology, Copper Cliff.

John Hawes, senior industrial evaluator,
industrial engineering, Copper Cliff.

Janice Heikkila, senior purchasing
clerk, Copper Cliff.

Elisabeth Kenny, accounts payable
clerk, Copper Cliff.

Terrance MacGibbon, district
geologist, field exploration, Copper Cliff.

Dorothy Machum, time keeper,
Creighton mine.

Marty McAllister, senior industrial
evaluator, industrial engineering,
Copper Cliff.

Adolf Markwart, chemist, process
technology, Copper Cliff.

Lawrence Mochizuki, shift foreman,
matte processing, Copper Cliff.

John Perry, project geologist, field
exploration, Copper Cliff.

Nell St. Amant, industrial evaluator,
industrial engineering, Copper Cliff.

Dave Stacey, industrial evaluator
analyst, industrial engineering, Copper
Cliff.

Delmar Suckow, chemist, process
technology, Copper Cliff.

John Tappenden, industrial evaluator,
industrial engineering, Copper Cliff.

Alan Walker, programmer, computer
systems, Copper Cliff.

Brian Zinck, industrial evaluator,
industrial engineering, Copper Cliff.

Inco Limited:

Dr. Elizabeth Bond, senior public affairs
adviser, Toronto.

Britton Mockridge, public affairs
adviser, Toronto.

In Flanders Fields

In Flanders fields the poppies blow
Between the crosses, row on row,
That mark our place, and in the sky
The larks, still bravely singing, fly,
Scarce heard amid the guns below.

We are the dead; short days ago
We lived, felt dawn, saw sunset glow,
Loved and were loved, and now we lie
In Flanders fields.

Take up our quarrel with the foe!
To you from failing hands we throw
The torch; be yours to hold it high!
If ye break faith with us who die,
We shall not sleep, though poppies grow
In Flanders fields.

John McCrae



The Flanders Poppy

How does it happen that the poppy, a flower usually associated with sleep and forgetfulness, has become the symbol of remembrance?

Any veteran of the trench warfare of 1914-18 will recall the coming of spring on the battlefields of France and Flanders. As the sun warmed the earth, and the plants and seeds responded, every waste place, and every grain field was suddenly red with beauty. This was the bloom of the common corn poppy, a wild cousin of our many-coloured Shirley poppy, which grows in flower beds across Canada. The scarlet carpet reminded the soldiers of the warm young blood their comrades had shed on those very fields and meadows, and must have seemed like a natural tribute to the dead.

Inevitably, a Canadian poet and physician, John McCrae, used the corn poppy in his rondeau, "In Flanders Fields", which was printed in *Punch*, the English magazine, on December 8th, 1915. The poem, and the poppy, were soon known and appreciated all over the English-speaking world, and before long the scarlet blossom had become the

emblem of the dead, and Poppy Day an annual occasion.

In Britain the first poppies sold were made by women and children from the war-torn areas of France where real poppies bloomed. Then the American Legion adopted the flower as its remembrance symbol. The Canadian Legion took up the idea in 1921, and the yearly distribution of poppies for November 11 is now a feature of our Remembrance ceremonies.

Disabled war veterans make the poppies for Canada, and through this light industry the Canadian Legion is able to give help and encouragement to many men and women who might otherwise be unemployed, and offer comfort and support to the dependants of such veterans.

Thus, although the poppy is an emblem of death and remembrance, it is even more a symbol of life today, and of bright hope for the future. We should wear it with pride at this time of the year, to honour our heroic dead, and to emphasize Canada's devotion to peace and goodwill in the world.



*Illustrations by
Amy Lynn Knott*



Denis Lapage, coordinator of Inco's Suggestion Plan, along with his assistant, Diane Chartrand, of industrial engineering, are trying their very best to hold \$400,000. The amount represents monies paid to Ontario Division employees since the suggestion plan's inception back in 1943.

Why not submit your ideas today? Who knows, you may join the 6,725 Inco employees who have cashed in on the suggestion plan awards.

(We appreciate the cooperation of the Toronto-Dominion Bank, Copper Cliff.)



From the general engineering department in Copper Cliff we have Inderjeet Riar, a senior estimator. He and his wife, Baljeet, have four children, Reeti, 1, Anju, 5, Joti, 9, and Mini, 14. Inderjeet is looking forward to building his own house in LoEllen Park within the near future.



An agricultural technician with Inco's agriculture department, meet Fred Burnham and his wife, Bonnie. That's daughter Pamela, 3, on Fred's knee, while Bonnie holds young Clifton, not quite a year old. Besides playing the guitar, Fred enjoys the great outdoors and, of course, farming.

Family Album



A raise driller at Copper Cliff South mine, meet Blain Gauthier and his wife, Rita. Their two boys are, Kenneth, 7, and Philip, 4. Blain is an outdoorsman at heart and enjoys hunting and fishing. The family has two snowmobiles which they use constantly right from the first snow to spring breakup.



From the Port Colborne nickel refinery, meet the Tony D'Uva family. Tony is a welder in the mechanical department. With Tony and his wife, Maria, are Salvatore, 12, Mario, 13, and Ann, 11. The children's sporting and musical activities keep them busy summer and winter.

End of an Era at Coniston

The wrecker's ball is putting an end to an era of Coniston's history. The Coniston plant, idle since 1970, has been turned over to the wrecking crews in order to enhance the area for other potential users.

The smelter building, sinter plant, trestle and ore bins have been slated for demolition. Long outdated and beyond repair, what was once the new smelting works of the Mond Nickel Company, will now become landfill.

The Coniston smelter dates back to the days of the Mond Nickel Company, a London-based nickel firm, acquired by Inco on January 1, 1929. Originally the Mond Nickel Company carried on its smelting operations at the Victoria mine smelter, which had to be remodelled in 1909 to accommodate a new development, electric power. Even with the arrival of electricity, the increase in the tonnage of ore to be smelted was so rapid that steps had to be taken for the development of a broader scheme.

In 1911 it was decided to abandon the Victoria mine smelter altogether and erect a new smelting works at Coniston, a site which, both geographically and topographically, was almost ideal. It was close to the main line of both the Canadian Pacific and Canadian Northern Railways. The site was comprised of 3,700 acres, which now forms the greater part of the complex and village.

The 1,000-ton capacity Coniston plant commenced smelting May 15, 1913. It boasted two blast furnaces, with space for a third furnace, and two Pierce-Smith basic converters, similar to those in use at Copper Cliff at that time. Electricity for the plant was supplied by two nearby plants of the Wahnapiatae Power Company. Towering above the complex was the 175-foot stack.

It was the start of nearly a half century of productivity. Despite numerous innovations, the smelter was closed in 1970. Workers from the plant were absorbed into other areas of Inco operations, creating minimum problems with loss of work.

Recently the demolition team started pulling down most of the complex, with the exception of a modern changehouse, machine shop and office building facilities, which will prove beneficial to other industrial users.

Several industrial firms have indicated interest in the Inco property, which has the proper zoning, water, heat and available power for manufacturing development.



The main converter aisle in the Coniston smelter sits idle, awaiting the wrecking crews. The four converters poured out their product around the clock until 1970, when the smelter was closed. Rails along both sides of the structure supported the overhead crane, which ran the full length of the building.



Inco personnel involved in the demolition of the smelter are, from left, Chris Dixon, contract administrator; Ken Langille, field co-ordinator; and Pierre MacDonald, engineering clerk.



The wrecking contractor's bulldozer clears rubble from the ore bins. These wooden structures are hundreds of feet long and were used for bulk ore storage.



This is a view of the charge trestle from the inside, showing part of the locomotive repair area. The major portion of the structure was composed of huge timbers.



Another view of the ore bins, this time taken from topside. Although the structure looks in shambles right now, it will be completely levelled by next year.



With the big crane in action, it doesn't take long to rip apart steel siding from the converter building. The structure, built in 1912, was originally owned by the Mond Nickel Company.

Inco Mets Capture Coveted Trophy

The Inco Trophy has finally come home to roost. Donated by Inco Limited in 1968 for the champions of the Sheridan Park Softball Association, it was captured this year by the team from the J. Roy Gordon Research Lab, the "Inco Mets".

Using a late season drive to carry them into the playoffs and through the championship, the Mets won seven of their last eight games. After a somewhat erratic start, the team came together under the managing expertise of Bruce Conrad and pulled up to finish in a three-way tie for third place with teams from Diversey (Canada) Ltd., and Atomic Energy of Canada Ltd. The Mets were awarded third place on the best runs for/against ratio, and went on in the

semi-finals to eliminate last year's champions, the "Hawks" from the Canada Systems Group, in two straight games.

The final series, however, was to be played against the team from Gulf Oil R&D, a team that Inco had never beaten. Gulf continued its domination through the first game with a 12-3 win, but the Mets were not down yet. With everything on the line, they came through in the second game, with an extra innings 10-9 victory that was delayed by darkness and took two nights to finish. Then, in the crucial third game, before a large contingent of very vocal supporters from the lab, the Mets took the championship in decisive fashion, with a 13-5 win.

The third game featured some exciting

moments, including a two home-run, six RBI performance by Wayne Mason at the plate, and some clutch work by the battery of Mike Allair, (pitcher), and Steve Barringer, (catcher). The excellent fielding of the Mets left many Gulf base-runners stranded, and snuffed out a dangerous rally in the sixth inning when Gulf had the bases loaded, with only one out, but failed to score.

The championship was especially sweet for Gary Bradley, a key member of Inco's team from its beginning, because the final win came on his birthday.

Needless to say the Inco Trophy is now prominently displayed in the lab, and team members are anxious to keep it around for many years to come.



Members of the winning "Mets" team. Front row, from left, Norm Nissen, hydrometallurgy; Marius Alparaque, Pat Lamarino, Gary Bradley, all of analytical chemistry; Mike Allair, mineral processing; Steve Barringer, Extramet Digest, and Al Clark, exploration. Back row, Randy Shaubel, hydrometallurgy; Gerry Culig, electro-chemistry; Wayne Mason, analytical chemistry; Frank Gagne, library; Bruce Conrad, pyrometallurgy; Ken Morrow, exploration; Larry Roach, purchasing, and Bill Kipkie, mineral processing.



If further proof of the high returns paid by Inco's intensive safety program were needed, this group of Copper Cliff South mine employees proves it. Sporting pretty broad grins, this crew, a cross-section of operations and maintenance staff, worked the entire month of September without any dressings. "The Triangle" takes great pride in adding its congratulations for the men's exemplary safety work.



Looking over the shoulder of Gary Simmons gives you an idea of an archer's eye view of the target. Gary is with Inco's agriculture department in Copper Cliff.

Nickel



Bob Brawley marks the score, while Ernie Rocheleau pulls his arrows from the target. John Kimpotich keeps a close eye on things. This target is part of the field course.

The metallic shaft glistened in the glow of the late evening sun. After a brief hesitation, it was catapulted on its way with all the energy the 40-pound bow could muster. It found its mark some 40 metres later striking the target with a hollow "thump".

Since time was recorded, this action has been repeated by man. First as a necessity, and then as a sport. The sport, of course, is archery, and over the years it has developed into a highly demanding activity, requiring skill, patience and a sharp eye. "The Triangle" paid a recent visit to the Nickel Belt Bowmen, an archery club in Sudbury, to gain some insight into this novel past-time.

The president of the Nickel Belt



Drawing a bead on a field target are, from left, Ernie Rocheleau, a maintenance mechanic at the Clarabelle mill, John Krmpotich, a surveying draftsman with the engineering department, and Bob Brawley, a diesel mechanic at Little Stobie mine. Archery ranges are located near Garson.



Manfred Baader, an estimator with the general engineering department, sights in a target. Note the large chrome stabilizers at the top and bottom of his bow.

Belt Bowmen on Target

Bowmen is Bob Brawley, a diesel mechanic at Little Stobie mine. He has been active in archery for a number of years and knows just about all there is to know about the equipment and technique. "To the beginner," Bob said, "competition archery equipment is vastly different from the old long-bow that you see on television.

"For one thing, the bow itself is composed of laminated wood and fibre-glass. It is fitted with an open sight for aiming, and provision is made to attach stabilizers. Each bow and arrows are custom fitted to the individual archer and form a matched set."

One of the most noticeable items on competition bows are the stabilizers

which stick out from the front of the bow. Their function is to help keep the bow straight when the arrow is released so that the recoil from the string doesn't cause the arrow to move off course.

The arrows are generally made from aluminum tubing and are fitted with plastic veins or feathers. Some arrows have screw-on tips to accommodate a variety of heads. In competition archery a nose-cone head is used, usually made of metal.

The Nickel Belt Bowmen have two types of archery ranges, both located near Garson. There is the standard archery range which consists of a large target in an open field. The archers shoot from designated distances, marked

off in metres from 30 to 90 in 5 metre intervals.

The second type of shooting carried out in the field range is a series of targets set up in the woods. It is similar to a golf course in that the archers follow trails to each target group before shooting. The targets for each of the 15 areas are of different size and set up at different distances.

In archery, as in all other types of sports, it takes a great deal of practise and experience to remain competitive. "It would take three to four hours of daily practise to become an Olympic-style archer," said Bob. "We may not be the best archers in the world, but we sure enjoy what we're doing. And in the long run, that's all that counts!"



No more little fold-up ballot slips.



**AFTER VOTING
INSERT BALLOT CARD
WITH STUB EXPOSED
INTO ENVELOPE POCKET
AND CLOSE FLAP**



The new computerized reader card (ballot).

The

On December 6, thousands of Sudbury area voters will be casting their ballots — in an entirely different way!

For purposes of economy and voter convenience, the City is introducing a totally new voting procedure, one that will be used for this and for subsequent municipal elections. Because this change will affect so many Inco people as voters, The Triangle thought an explanation of the new system might be appropriate . . .

This year, instead of pencils and fold-up ballots, you'll be indicating your choice by means of a modern "vote recorder", used in conjunction with computerized reader cards, which now become the new version of the old ballot. These new ballot cards, by the way, look like the "do not bend, staple, or mutilate" cards that appear every month with your phone bill.

**City of Sudbury
introduces new
voting procedure
for this year's
municipal election.**



City records clerk, Colleen O'Reilly, left, receives a briefing on the new vote recorders from city clerk, Ellen Kerr. Colleen's husband, Charly, is a maintenance electrician with Inco's central utilities and has been with the company for 28 years.

Vote Recorder

The recorder itself is really nothing more than a receptacle for the ballot cards; attached to it by a chain is, for lack of a better word, a little "gizmo" that looks like the nib of a sawed-off ballpoint pen. This "gizmo" is used to punch holes in your ballot card, thereby indicating your voting preferences.

At the top of the recorder is a slot, into which you fit your computerized ballot card, print side up since the machine won't accept it any other way. When you slide the card in, you'll notice that it's well hidden inside the machine, except for what shows under a vertical column of small holes. The names of all election candidates are printed on sheets attached to the recorder. And beside each name is one of those little holes in the recorder. When you press the "gizmo" into the

hole, you're actually making a hole in the computerized ballot card. Simple, yes! Just read down the list of candidates and punch a hole in the card beside the names of your choice. Instructions are on the sheets, explaining how many candidates you may vote for, etc.

Then, when you're finished, you simply remove the card, slip it back into its envelope, and, in the accustomed manner, leave it with a deputy returning officer. That's all there is to it!

From the various polling stations, the ballot cards will be delivered in transfer cases to the City's data processing room, now located at the new Civic Square. There, a computer has been programmed to read the cards, and quickly tabulate the information; in fact, according to city clerk, Ellen Kerr, "the final results are

expected to be available in approximately half the time it previously took".

The idea of computerized voting is really quite new for Canada. Apparently, there'll only be three municipalities in Ontario using the recorder this election — East York, Ottawa, and, of course, Sudbury. Mind you, Ottawa used the system for their last election and found it to be very effective, so it's got a proven track record. And as far as cost goes, which was approximately \$35,000, Ellen mentioned that "we anticipate the machines will have paid for themselves by the 1978 election".

So be prepared for the new voting procedure . . . looks like Sudbury's right up there in the lead again, as far as progressiveness is concerned!

INCO

WATER POLLUTION CONTROL CENTR

WASTE WATER TREATMENT PLANT SEWAGE TREATMENT PLANT



Taking part in the official opening ceremonies were, from left, Ron Taylor, president of Inco's Ontario Division, The Hon. George Kerr, minister of the environment for Ontario, John McCreedy, senior vice-president of Inco Limited, and Gerry Cullain, manager of Central Utilities.

Built at a Cost of \$6 Million

The Honourable C Inco's New Water

The Honorable George Kerr, Minister of the Environment for Ontario, officially opened two new industrial water treatment plants at Inco's operations in Copper Cliff recently. One treats water in the Copper Cliff watershed; the other water in Sudbury's Nolin Creek watershed.

The plants, built at a cost of \$6 million, ensure that waste water is returned to the natural watercourse at quality levels that are as high as when it was taken out for industrial use. The quality of the returned water exceeds the guidelines laid down by the Ontario Ministry of Environment for mining and milling effluent. Eighty-seven per cent of the water used in Inco's Ontario Division operations is recycled water. The new plants treat the remainder, as well as surface runoff.

The plants are part of a \$36 million environmental protection program associated with the expansion of the tailings disposal area by the Ontario Division of Inco Limited. The project involves building new impoundment dams, pumping facilities and seepage stations, landscaping and new service roads.

On opening the new water treatment plants, Mr. Kerr declared, "The Copper Cliff Creek plant and the Nolin Creek plant represent a \$6 million investment in environmental protection and in the future of Inco and the Sudbury area, but it is just the tip of the iceberg, the most visible part of a \$36 million environmental program which has eliminated some



Bob Butler, centre, superintendent of environmental control, Ontario Division, explains the workings of the new water treatment plants to Dr. Barney Cook, Medical Officer of Health, left, and his son Bill Cook, legal officer for Inco's Ontario Division.

Charlie Ferguson, left, director of environmental control, Ontario Division, explains Inco's tailings project to Ron Christie, of the Ministry of Natural Resources. Mayor Ray Plourde, of Valley-East, is pictured in the background.



George Kerr Opens Treatment Plant

outstanding problems and has provided for the sound development of a new tailings area which will serve the company well into the next century."

John McCreedy, senior vice-president of Inco Limited, commented on the need for business to have a stable political and economic environment, conducive to growth and supportive of investment, in order to generate the pool of savings needed to develop new mines and meet such social responsibilities as protection of the environment. Mr. McCreedy explained that the main source of these savings were the profits generated by the company itself.

"Profits are the basis of any company's investment in the future, an investment that ensures that there will be jobs 25 years from now, that northern communities will survive and prosper with all that is valuable about their style of life."

The two plants operate in the same manner. Raw water is fed into clarifier tanks where lime is added in one or two stages to adjust the pH and a poly-electrolyte is added to precipitate dissolved solids. The operation is highly automated, and both plants are monitored from a control console at the Copper Cliff plant.

In planning and developing the new tailings disposal area and the two water treatment plans, Inco worked closely with the Ontario Ministry of the Environment and its predecessor agency, the Ontario Water Resources Commission.



This is the new Copper Cliff Creek Industrial water treatment plant. This plant and another on Sudbury's Nolin Creek, were built at a cost of \$6 million. The plants treat industrial waste water before it is returned to the natural watercourse.

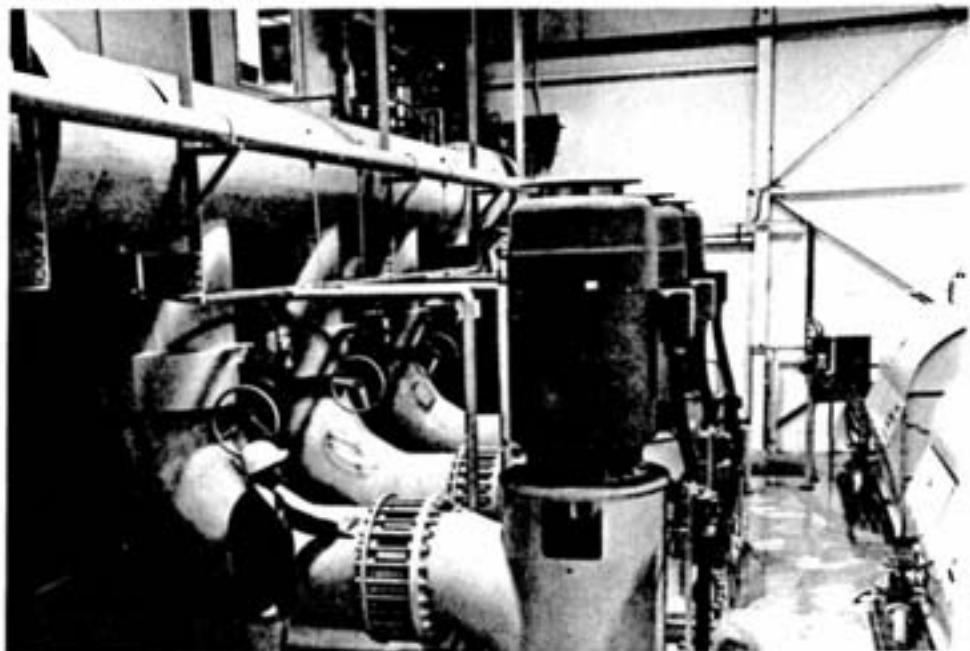


Sudbury's Mayor Jim Gordon, left, in discussion with Gar Green, Inco Limited vice-president, Ontario Division, responsible for mining and milling.



The control console at the new water treatment plant, which also monitors operations at the Nolin Creek plant in Sudbury.

The three 15,000-gallon pumps which deliver water to the clarifier tanks of the Copper Cliff Creek water treatment plant.





Proper operation of a mucking machine is explained by instructor, Placide Martel, left, to student, Laurent Choquette.



Students Roger Poulin, left, and Joan Gagnon learn the precision setup of a transit from instructor, Gary Turcotte.

Mining as a

Peter Schumacher, left, instructor at the Big Nickel Mining Laboratory, demonstrates correct handling and positioning of the jackleg drill to students, Kevin Livingstone and Marcel Legault.



With today's increased emphasis on mining as a profession, college curriculums now provide recognized mining-related programs that offer credits towards the student's diploma.

Such is the case at Cambrian College's Sudbury campus. We learned that a graduate from either the mining technology or technician programs is able to immediately enter a pre-supervisory training program; his knowledge of regulations, safety practices, mining methods and equipment, both in underground and open pit operations, should enable him to enter a supervisory position within a year or two from graduation. He's trained in such areas as mine planning and surveying, claim staking and assessment work, mine ventilation and environment, industrial engineering, grade control and sampling.

The graduate geological technologist studies mapping, diamond drilling, grade control and determination of ore reserves,



At the mineral identification laboratory, first-year mining students, Bruce Lang, left, Phil Bellefeuille and Brian Ludgate learn to recognize and identify minerals with the help of instructor, Gary Turcotte.

Profession

geophysical and geochemical surveys, while the curriculum for the geology technician is more specific — the graduate could work under supervision as a diamond driller or driller supervisor; he could function in work areas of sampling and grade control, both in underground and open pit operations; he'd be valuable as a geophysical instrument operator, and would have a good working knowledge of field camp management, claim staking, assessment work, and prospecting.

And to round out the mining student's education, the College features a rather unique mining laboratory that uses the Big Nickel Mine in Sudbury as a working area, where drilling, blasting, mucking, surveying, ventilation and environmental studies and geological mapping are all carried out on location.

It is interesting to note that well over 90 per cent of the graduates of these programs have been able to obtain positions with the minerals industry.

Underground surveying is another facet of the instruction provided by mining-related programs at Cambrian College. Peter Schumacher, left, explains the delicate techniques to student, Dale Lynds.



Largest Group Port's Quarter

One of the largest groups ever, some 101 new members were recently welcomed into the Port Colborne Chapter of the Inco Quarter Century Club. For the first time in the 27-year history of the Chapter, wives of the new members were also honored at the celebration, which took the form of a dinner-dance at Port Colborne's Club Rheingold.

Guest speaker for the evening was Ontario Division president, Ron Taylor who greeted the new members individually and handled the distribution of pins. He was assisted by Ontario Division vice-president Gordon Machum, who presented gifts to the ladies.

In his address, Mr. Taylor commented that new members should be justifiably proud of their contribution to Inco's growth over the past many years.

"You have gained a great deal of experience and knowledge in your particular field of work," he said, "and I'm



Mechanical department superintendent, Russ Butler introduces Mr. and Mrs. Alex Balog to Gordon Machum, while Ontario Division President Ron Taylor and Charles Ott greet another couple.



A total of 101 new members were inducted into the Port Colborne Quarter Century Club. For the first time in the 27-year history of the Chapter, members' wives took part in the celebration.



New Quarter Century Club member, William DeVoe receives congratulations from Bert Lindenau, superintendent of operations of the Port Colborne Nickel Refinery.

Ever Joins Century Club

sure that by passing your knowledge of proper and safe working habits along to our younger workmen, they, too, may some day be honored at a Quarter Century gathering."

Gordon Machum also addressed the group briefly, commenting on the high quality product which has always been produced at the Port Colborne nickel refinery. He thanked the men for their continuing efforts.

Warner Woodley, newly appointed manager of the refinery, spoke of the fine character of the refinery workers and thanked them for their recent efforts in helping to ship a record amount of nickel for the month of September.

Dinner music was provided by Reg Steeves on the organ; an after-dinner sing-along was led by "Reg and Friends", a quartet of Inco pensioners.

Following the dinner and presentations, Master of Ceremonies, Charles Ott introduced "The Chivaliers", who provided dancing music for the remainder of the evening.



Henry MacDonald, left, receives a warm handshake from his superintendent, Jan Van Dillen, while Mrs. MacDonald, seated, is being congratulated by Mrs. Van Dillen.



Ontario Division President, Ron Taylor told the gathering of the great satisfaction new Quarter Century members can derive from passing their safe work habits along to the younger workers.



An evening of dancing followed the dinner and presentations. Here Mr. and Mrs. Henry Nan, left, and Mr. and Mrs. Tony Mastrangelo, right, seem to be enjoying themselves on the dance floor.





Autumn splendor in Northern Ontario



Del Guitard \$695

The cash register rang out loud and clear for a number of Inco employees this month for their wide variety of economical and practical ideas.

Del Guitard, of Stobie mine, picked up a cash reward of \$695 for his practical suggestion to change the sprockets on diesel locomotives from 13 teeth to 12 teeth.

From the Port Colborne nickel refinery, **Charles Sannut**, of the mechanical department, picked up an award of \$420 for

suggesting replacing assorted pipe fittings used to connect the water supply to the anode mills with one piece of hose.

A suggestion to turn the main brass bearings on the pointing machine at the Copper Cliff copper refinery resulted in a prize of \$355 for **Charles Furchner**.

Walter Pierce, of the Port Colborne nickel refinery, pocketed an award of \$255 for suggesting the repositioning of the dead-

end on the closing cable of the number one building clam.

Ronald Tranchemontagne, of Levack mine, came up with a suggestion to fabricate plate and shock absorbers for the bottom of a Wilden water pump to protect the inlet housing. That suggestion was worth \$190.

From the Copper Cliff copper refinery, **William Qulgey** suggested fabricating tapered holding rings. A cheque for \$180 was awarded for that suggestion.

Also from the Copper Cliff copper refinery, **Marlon Nosic** picked up \$150 for a suggestion to relocate four inspection tables away from a saw operator. Thinking safety pays off!

In the \$75 category there were a number of winners. **Glen Butcher**, of the Copper Cliff smelter, picked up an award for suggesting round corners for matte mould forms. **Richard Condie**, of Creighton mine, was another winner for recommending the installation of screen doors over a hole in the block wall between the hoist room and boiler room, for better access to equipment and heat dispersal. **Talsto Waine** teamed up with **William Gagnon**, of Creighton mine, to suggest fabricating mild steel hand guards to replace tubing on loaders. **Peter Gentile**, of the Copper Cliff mill, teamed up with **Carl Tuttle**, to recommend a new type of locking-type tagging procedure.

Harold Dewar, of the Copper Cliff copper refinery, won \$70 for a suggestion to install

Stobie Min Picks Up \$

e Employee 695 Award



Charles Furchner \$355



Walter Pierce \$255

flanges in steam spargers in first stage autoclaves.

Roger Martin, of the maintenance field force, pocketed \$65 for suggesting a method to eliminate mortise and tennon style slabs on large shop doors.

Harry Haddow, of Creighton mine, won \$60 for suggesting the installation of a hinged door in the headframe to eliminate removing brattice on cage and skip decks.

There were seven winners in the \$50 category: **Johannes Goedhard** suggested running a line from the number five pump to the number two separator in the magnetic line and adding a short piece of pipe on the number four separator from the number six pump; **Devalne Gorrell**, of Shebandowan mine, teamed up with **Thomas Rogers** to suggest placing a section of belting under a muck ledge for the primary screen; **Louis Grzeslo**, of the Iron Ore Recovery Plant, suggested replacing toothed sprockets at the tail end of the pallet changer with a drum-type sprocket; **Alphonse Pilon**, of the Iron Ore Recovery Plant, suggested installing an adjustable chain tightener on the number two pallet changing station; **Harry Walton**, of the Copper Cliff central shops designed a clamp for putting holes in copper bars; **Rene Rankin**, of the Port Colborne nickel refinery's electro-nickel refining department, won \$50 for suggesting the installation of a valved by-pass between the filtrate tank and the underflow of the mix tank on the Dorco filter.

J. E. Hanson, of Little Stobie mine, pocketed \$40 for suggesting installation of air valves and headers on air tanks for towing 416 Unimogs.

Bert Behenna, of Creighton mine, suggested the use of turnbuckle adjustment "C" on number nine cage lower deck door, and picked up \$35 for his effort.

Donald Benoit, of the Iron Ore Recovery Plant, won \$30 for suggesting that cylinder air valves be tagged out before putting plastic in copper sludge boxes. Other \$30 winners included **Roy Bresford**, of Creighton mine, for a recommendation of installing screen doors at the back of the dry for better ventilation. **John Dingwall** and **Vasilie Dumencu** also picked up \$30 for suggesting modifications to mine air-chute cylinders; **Leonard Landry**, of the Iron Ore Recovery Plant, suggested extending an adjuster bolt past the end of a sinter belt beam; **John Miron**, also of the Iron Ore Recovery Plant, recommended fabricating a tin shield to deflect spillage from the copper filters; **E. J. O'Brien**, of Creighton mine, recommended installation of bushings in baghouse hangers; **Albert Rivard**, of the Iron Ore Recovery Plant, suggested installation of ladders on overhead crane columns; **Joe Smith**, of Creighton mine, recommended fabrication of a standard wheel wrench for removing scooptram wheels; **Vince Vienneau**, also of Creighton mine, suggested rewiring, with installation of separate junction boxes, in the number five shaft basement switchroom.

Winners in the \$25 category included:

Ken Basset, of the Iron Ore Recovery Plant, for suggesting the relocation of a magnetic flow -meter and installation of a plug valve on the main repulp line; **Bert Behenna**, of Creighton mine, won an additional award for suggesting the installation of drop latches on shaft compartment doors; **Joseph Blinn**, of the Copper Cliff copper refinery, recommended installation of guard rails to protect the number four cooling tower supply water lines; **Gary Dupont**, **John Miron** and **Steve Dublen** of the Iron Ore Recovery Plant, shared an award for recommending fastening a small stand with stairs to the top of a splitter box; **Arthur Espinza**, of the Copper Cliff copper refinery, suggested the installation of switches at each motor for easy brake adjustment on anode ladle lifters; **Irvin Essensa**, of Creighton mine, suggested installation of a phone on the gangway in the main haulage drift at the 6600 level; **Arthur Flavel**, of Shebandowan mine, suggested placing a walkway by the coarse ore-bin. He won an additional \$25 for his recommendation to run a line off the tailings line with a blank flange for draining the tailing tanks; **Harold Glasby**, of the Iron Ore Recovery Plant, suggested protecting electrical wires to the pump motors and levelling off the cement floor in the pump room; **Tom Kennedy**, of Creighton mine, recommended placing a cover over switches on the radial arm saw in the carpenter shop; **David O'Brien**, of the



Ronald Tranchemontagne \$190



William Quigley \$180



Marion Nasic \$150

Copper Cliff copper refinery, suggested the installation of strainers on the cooling line of the intercooler on compressors; **Jack Tupling**, of matte processing, suggested reverse placement of the scrap metal and garbage boxes; **Robert Turner**, of the Iron Ore Recovery Plant, recommended replacing the push/hold switch on the car puller at the soda ash silo with an off/on switch; **Dave White**, of Shebandowan mine, recommended separate control for ear muff valves on mixing tanks; a Safety Award of \$25 was presented to Adelard Morin of the Port Colborne Nickel Refinery.

In the \$20 category, there were five winners: **Dan Carrol**, of the Copper Cliff smelter, recommended installation of a square "D" switch near the palm button station for the number sixteen transfer car; **Arthur Flavell**, Shebandowan mine, suggested relocation of a feeder push button on a cement pillar beside the coarse ore gate lever. Another suggestion plan regular, **Archie Hogan**, of Shebandowan mine, recommended construction of a removable guard around the converter take-up pulley; **Everett Kingston**, of Creighton mine, suggested the installation of a combination oil separator and water trap on the existing drainage piping from the compressed air receivers; **Richard MacLeod**, of Shebandowan mine, recommended the installation of a guard over the drive belts and pulley on the Chicago blower.

There were 17 awards given in the \$15

category this month. **Gene Auger** and **Harold Dewar**, of the Copper Cliff copper refinery, came up with the idea to install guards with a fastening device to the frame of repump filters; **Roy Beresford**, of Creighton mine, recommended installing screen doors at the back of the dry for better ventilation; **Charles Camus**, of the Iron Ore Recovery Plant, had the idea to add a strip of rubber on the end of the metatarsal guard; **J. A. Croteau**, of Creighton mine, suggested a sign to indicate danger at the Northeast corner of the number nine shaft collarhouse; **Keith Ferris**, also of Creighton mine, recommended fabricating boxes for transporting drill machines; **Doug Gifford**, of the transportation department, suggested placing bicycle racks near the number one dry; **Arthur Larabie**, also of the transportation department, suggested extending the tail pipes to the rear of Hiab and Pitman trucks; **Richard Lemieux**, of Creighton mine, teamed up with **Reg Lemieux**, to suggest cutting a hole in the JS-500 operator compartment for better ventilation; **Paul Moulaison**, of Garson mine, suggested redirection of air inlets on Clayton locomotives; **Gerard Piche**, of the transportation department, suggested relocation of a signal at the west end of the furnaces when moving slag cars; **George Sabat**, of Creighton mine, had the idea to implement a new type of spray nozzle for mine air headers; **Ricky Schikor**, of the Iron Ore Recovery Plant, suggested replacing the interface nose on the first nickel

thickener with a steel pipe; **Kelly Stutt**, teamed up with **Brian Shaw**, at the Copper Cliff copper refinery, to suggest providing an eyewash bottle by the slime box on number five floor in the tankhouse; **Vince Vienneau**, of Creighton mine, suggested the installation of a disconnect switch; **Dave White**, of Shebandowan mine, suggested separate control for ear muff valves on mixing tanks; **Jerald Young**, of the Copper Cliff copper refinery, recommended installation of an eyewash station in the trestle between the acid plant and the silver refinery; **Norman Young**, of the Iron Ore Recovery Plant, suggested installing a window in the dry washroom door.

Fraser Dunlop, and **Jack Kosmerly**, of Stobie mine, won \$10 for a suggestion to install air filters in switchrooms. Also at Stobie mine, **George Jolicoeur**, picked up a \$10 award for his idea to install windows in the collarhouse door; **David Krakana**, of Crean Hill mine, suggested the elimination of plastic signs and painting powder and fuse magazine signs on the walls. Another Crean Hill mine employee, **Ric Magaulay**, picked up a similar sum for recommending a safety chain be placed at the top of the stairs by the platform at the shuttle. Frood mine central repair depot's **Vic Pregelj**, suggested replacing "O" ring fittings on FL714 engines with bango fittings and pocketed \$10. **Joe Wilson**, of Creighton mine, won \$10 for his suggestion to replace the parking lot plug-ins with the three prong type.

Educators Are Told of Many Challenging Opportunities in Canada's Mineral Industry

Southern Ontario geography teachers were informed that the mineral industry is alive and well when they were recent guests of the education committee of the Sudbury Branch of the Canadian Institute of Mining and Metallurgy.

The dinner meeting and discussion seminar, held at the Barrydowne Campus of Cambrian College, was sponsored by Inco Limited and Falconbridge Nickel Mines, in cooperation with the Sudbury Branch of the CIM.

Guest speaker for the evening, Bill Rodger, information officer of the CIM, Montreal, told educators of the many challenging job opportunities available to young people in Canada's vast mineral industry. He also pointed out that the major function of the CIM education committee was to make educators at all levels more familiar with mining and its related industries.

A lively discussion period followed the speaker's address. According to George Johnston, committee chairman, the encouraging attitude demonstrated throughout the meeting speaks well for the education committee's overall objective.



Tom Parris, right, executive assistant to the vice-president, responsible for mines and mills, Inco Limited, Ontario Division, in discussion with, from left, Gordon Machum, Ontario Division vice-president, responsible for smelting and refining, and teachers Ron Lee and Bob Heney.



Sudbury Branch CIM secretary-treasurer Monty White, left, takes time out for a friendly chat with teachers Trisha Anderson and Roy Alderdice following the lively discussion period. Monty is the industrial engineering representative at Crean Hill mine.



Milt Jowsey, Sudbury Branch CIM chairman, left, exchanging niceties with Bill Rodger, CIM, Montreal, right, and Gordon Slade, assistant vice-president, Falconbridge Nickel Mines, and a past chairman of The Sudbury CIM Branch.

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Six Cambrian College students were awarded \$150 Inco engineering technology bursaries recently to assist and encourage furthering their education. **Rudolph Kneer**, editor of "The Triangle", made the presentations on behalf of the company. Receiving the awards are, front row, from left, **Nicholas Dominelli** and **Wanda Nyysola**. Back row, from left, **Frank Chiappetta**, **Dennis Trevisiol**, **Stephen Murphy**, with **Tom Semadeni**, dean of Cambrian College, looking on. Second year geology technology student, **Brenda Blais**, was another Inco bursary winner.



In tribute to the early prospectors who played an active part in Northern Ontario's development, **Hans Wiemer** of North Bay recently completed a stone statue depicting an explorer studying a sizeable ore sample. In addition to being well known for his stone-cutting abilities Mr. Wiemer has also acted as a consultant for the provincial government's study into the development of Northeastern Ontario.



One of the modern aids to engineers and designers of the general engineering department in Copper Cliff is no bigger than a breadbox: a calculator that can be programmed and used for design calculations and other mathematical problems. Programmed by magnetic cards, the "mini computer" automatically executes calculations on pre-fed data, arranging the questions to be asked in the proper sequence, and eliminating any unnecessary calculations. The unit does in a matter of seconds what would normally take hours to do by hand. Senior designer **John Somerset** is at the controls of the calculator, while mechanical designer **Tom Ryan** adds some technical advice.



Employees of Inco's transportation department, along with their wives and friends, are viewing the tailings disposal area. The tour, which included a visit to the Clarabelle mill and a trip to the slag dump, formed part of the transportation department's "Open House", held annually to acquaint employees and their close friends and relatives with its vast operation.

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



In order to gain first-hand experience of the mineral industry, 35 geography teachers from Metro Toronto High Schools were recently taken on an extensive tour of Inco operations in the Sudbury area. The teachers viewed operations at the Copper Cliff North mine, the Clarabelle mill and the Copper Cliff copper refinery. In the copper refinery's silver building, tour guide **Robert Fleming**, right, points out that the inconspicuous bricks lining the floor are actually solid silver bars.



Rom Sowa, centre, a bulldozer operator at Copper Cliff North mine, was a recent winner in that mine's safety, health and environment committee's contest which asked employees "Why do safe attitudes reduce injuries?" Answers had to be suitable for a three-minute safety talk, and Rom tied with driller **Scotty Ferrans** for top spot in the contest. Rom was presented with an electric drill set and congratulated by **Emil Goudreau**, left, co-chairman of the safety, health and environment committee, and Copper Cliff North mine general foreman **Don MacKelgan**.



Working safely has become second nature to this crew from Copper Cliff North mine who have successfully worked over seven months without a dressing of any kind. Members of the crew include, front row, from left, **Larry Bradley**, **Ron Teeter**, **Norm Arsenault**, **Martin Dion**, **Willie Hankimaki**, **Bob Gauthier**, and **Emil Goudreau**. Centre row, from left, **Don MacKelgan**, **Ron Livingstone**, **Rob Rochon**, **John St. Pierre**, **Flin Charlemagne**, **John Pilon**, **Ken Silver**, **Dennis Robidas**, and **Paul Blais**. Back row, from left, **Rom Sowa**, **Serge Battiston**, **Serge BoisGrassont**, **John MacDonald**, **Jim Robinson**, **Charlie Randell**, **Karl Kolasa** and **Vince Losler**.

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



Soccer is one sport that is growing with leaps and bounds in the Sudbury area. Inco Limited recently donated trophies to the Walden Minor Soccer League for presentation to the winners. Here, the "Lively Crusaders" listen to a pre-game pep talk from coach Hans Gramann, a bucket shop foreman at Creighton mine. Team members include, front, from left, **Ronald Menard, Mark Grant, Robby Godden, Ward Warren and Scott Kudla**, with team mascot, "Lady." Standing, from left, **Randy Godden, Brent Kudla, Perry Sherbanuk, Ted Robb, Mike Vagnini, Glen Roy, Robert Vanort, Todd Burden** and coach, **Hans Gramann**. Below, the "Naughton Rams" get a few helpful hints from **Alan Cameron**, principal of Naughton Public School and secretary-treasurer of the Walden Minor Soccer League. Team members are, front, from left, **Jo-Anne Egli, Lroi Hall, Cathy Walker, Patricia Land, Sandra Widder, Diane McKay, Marilyn McKay and Karen Augustin**. Standing, from left, **Alan Cameron, Debbie Shell, Kelly Scott, Gail Penny, Tania Hallikainen, Marianne Neuman, Kathy Taus, Linda Augustin, Ingrid Delamorandiere, Paula Schnelder, Tina Salo, Pauline Landrlault** and coach, **Vic Baumruk**.



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Bernard Beck, of the electrical department at the Port Colborne nickel refinery, spends an average of three to four nights every month as director of the Niagara Regional Agricultural Society. One of the main responsibilities of the society is to arrange the Niagara regional exhibition, held annually in September. With a paid attendance of nearly 85,000, this year's exhibition was the most successful in the 124-year history of the society. After his 12 years as director, Bernard attributes his continuing interest to the opportunity of meeting many people involved in organizing and staging the exhibition. Here Bernard greets fellow Incoite, **Herman Charlebois**, of the pipe shop at the Port Colborne nickel refinery.

Copper Cliff Pay Scale Back In 1888

Mining captain	\$145 per month
Assistant captain	\$90 per month
Master mechanic	\$100 per month
Teamster	\$45 per month
Drill runners	\$2.10 per day
Miners	\$1.75 per day
Laborers	\$1.60 per day
Foreman	\$2.00 per day
Watchman	\$1.75 per day
Engineer	\$2.00 per day
Machinist	\$2.25 per day
Pumpman	\$2.00 per day
Fitter	\$2.00 per day
Fireman	\$1.50 per day
Blacksmith	\$2.50 per day
Assistant blacksmith	\$1.75 per day

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An excellent turnout was recorded for the sixth annual Inco Shebandowan mixed golf tournament, held at the Fort William Municipal Golf Club. Organized by **Avro Vinni**, of mines engineering, golfers came up with impressive scores. **Stan Souter** was the low net winner for men and **Shirley Gerrish** the low net winner for women. Getting ready to sink his putt in the above photograph is **Frank Reynolds**, of mines engineering. Below, **Frank Volt**, also of mines engineering, assists in keeping an accurate record of scores.



While on a recent tour of facilities at the Port Colborne nickel refinery, Inco president, **J. Edwin Carter**, and senior vice-president, **John McCreedy**, pause with plant manager, **Warner Woodley** to observe operations of the inspection conveyor of the Harperizer in the shearing department. "S" electrolytic nickel rounds are washed, polished and dried in the huge machine, and workmen remove unsuitable rounds as they move along the conveyor.



Ellen Heale, horticulturist, left, discusses the proper handling and care of temperate plants at Inco's Copper Cliff greenhouse with **Mrs. Kay Paton**, of Mississauga, centre, and **Jacqui Vesey**, a secretary with the public affairs department. Mrs. Paton, a recent visitor to Copper Cliff, was quite impressed with the colorful display of temperate and tropical plants. "Imagine, a banana tree right here in Copper Cliff," she said, while touring the tropical section of the greenhouse.

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



Winners in the Pee Wee division at the Port Colborne invitational soccer tournament were the Port Colborne Internationals. Team members are, front row, from left, **Paul Gerencser, Mike Mazzuto, Paul Frangescangeli, Tony Tavano, David Videchak, Chris Vukevich, Tony Chiavetti, Don Herrington and Peter DeLuca.** Back row, from left, coach **Frank Frangescangeli,** team trainer **Domenic Tavano, Richard Nan, Ronald Burger, Mike Schooley, Rick Pinelli, Joe Kutlesa, Roger Favero, Richard McCabe, Chris Punyl** and manager **Luciano Favero.**



Port Colborne Italo Canadians picked up the trophy for the Atoms Division at the Port Colborne invitational soccer tournament. The team consists of, front row from left, **Paul Babriad, John Groetlaars, Paul Favero, Kevin D'Onofrio, Willy Ostermaier, Pat Clantar, Steve Interisano, Robert Sergnese.** Back row, from left, trainer **Tony Trasatti,** manager, **Bruno Favero, Tom McGowan, Massimo Citrigno, Wayne Rae, John DiPasquale, Tony Citrigno, Tony Santarella, Dave Ferrara** and coach **Lino DiPasquale.**



It's a long way from Cicero, Illinois, to Copper Cliff, Ontario, but **James Buckley** feels the trip was well worthwhile to get a look at Inco's electric locomotives. A 25-year member of the Upper Canada Railway Society, Mr. Buckley spends his spare time riding and taking pictures of trains around the world. His hobby has become such an obsession that the train literature he has collected is now stored in a large filing cabinet, and his photographic slide collection of trains around the world now numbers 35,000. Here he discusses Inco trains, described in a 25-year-old brochure, with local train-fancier **George Bulmer,** of Inco's accounting department.



It's not often that you get three spanking-new Quarter Century Club members working together in the course of their duties. Reviewing a layout on a major capital project here are Quarter Century Club members, from left, **Mike Skirda,** a project coordinator with general engineering; **John Durjanik,** a designer, and **Al Cameron,** a conceptual design specialist.

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



Here's **Andy Morbin** with his 30-pound pike! Andy is our logo writer this month, and his story is told on the inside back cover of this issue of "The Triangle." Just for the record, Andy caught the lunker in Little Penage Lake on a "Silver Popeye" lure. He's having it mounted, and it will hang in a place of honor over his bed.



The Donations Committee of Inco Limited's Ontario Division recently presented a \$4,000 cheque to the Sudbury Branch of the Canadian Cancer Society as its contribution towards the 1976/77 campaign. Accepting the cheque from **Bill Taylor**, superintendent of drilling, Ontario Division, right, was **George Johnston**, president of the Sudbury Branch of the Cancer Society.



Many Inco vacationers to Florida return home with boxes of sea shells found along the beaches. While most of the shells wind up forgotten in dark corners, one Incoite, **Gunter Hinz**, a tipple operator at the Clarabelle mill, decided to do something with them. With a little imagination and a steady hand, Gunter and his wife, **Hildegard**, glued the shells together to form miniature creatures. With any luck, Gunter intends to start selling his creations next year.

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YOUR SOUTH MINE NEWS CENTRE



One of the most popular meeting places around any industrial establishment, the pop machine serves a double purpose for employees of Copper Cliff North, South and Murray mines. Part of the money collected from the machines is turned over to the Copper Cliff Mines Association who use it for annual Christmas and retirement parties and the promotion of area sporting activities. In addition, the Mines Association sponsors dinner for any retiring employee on his last day at work. Here, Copper Cliff South mine employees **Emil Cousineau**, **Ray Fortin** and **Bob Levac** treat themselves to a refreshing pause after a day's work.



Sudbury area hockey fans will have their radios tuned in to CKSO radio throughout the winter as **Joe Bowen** broadcasts the out-of-town games of the Sudbury Wolves, first rate contenders for the NOHA Jr. "A" championship. Part of the broadcast will be sponsored by Inco Limited.



Regular monthly meetings are held at all Inco Ontario Division plants to review past operations, with a special emphasis on costs. One such meeting was held at the Copper Cliff nickel refinery recently, coordinated by the budget and control department. Clockwise, from left, are **Gordon Machum**, vice-president, responsible for smelting and refining, Ontario Division; **Clive Lewis**, superintendent, NRC; **Don Nelson**, superintendent decomposers and packaging; **Allan Bale**, superintendent, power plant and utilities; **Weldon Thoburn**, superintendent, process technology, Copper Cliff nickel refinery; **John Malysh**, administrative assistant, smelting and refining; **Brian Closs**, cost analyst, budget and cost control; **Karen Curry**, office supervisor, Copper Cliff nickel refinery; **John Lafleur**, cost analyst, budget and cost control; **Chris Dunkley**, manager, Copper Cliff nickel refinery; **Brian Pearson**, operations superintendent, Copper Cliff nickel refinery, and **Rob Hall**, superintendent, maintenance, Copper Cliff nickel refinery.



The latest addition in Inco's war against blowing dust is this Go-Tract, a vehicle which is used to spread a dust suppressant over the tailings area. Tailings area superintendent, **Ralph Shore**, sits at the Go-Tract controls.

Attention Travellers!

Extended Health Benefits are available through Blue Cross. For more information about your protection, phone the Benefits Department at 682-4438 in Copper Cliff.

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



Replacing 13,000 feet of concentrate pipeline between the Frood-Stobie mill and the Copper Cliff mill is no minor task, but using a high-density polyethylene pipeline makes the job considerably easier. Tailings Damman **Yvan Nadeau** here fuses two sections of pipe with a plastic fusing machine which grips and squares the ends of pipe while heating them at the same time. At about 400° F. the ends are stuck together and become one section of pipe. That's the Clara-belle mill crushing plant in the background.



Keeping large drawings handy for quick reference used to present a problem, but employees of Inco's Ontario Division have solved it by putting their "Xerox Printer" to good use. The printer, the only one of its kind in northern Ontario, can reproduce drawings from full size to a 45% reduction, making desk files possible as well as scaling the drawings down to a more portable size for work in the field. Here blueprinter **Jack Anderson** scales down a drawing for the engineering department.



A recent blood donor clinic was held at the Inco recreation hall in Port Colborne. A total of 297 pints of blood were collected, and as usual Inco employees were well represented. **Ron Stricharuk**, a plant messenger at the Port Colborne nickel refinery, doesn't seem to mind donating his pint to this pretty Red Cross clinic assistant. Can you blame him?



Jack Frey, centre, Dean of the Haileybury School of Mines and chairman of the CIM National Education Committee, was a recent guest speaker at the monthly meeting of the Sudbury Branch of the Canadian Institute of Mining and Metallurgy. **Bob Ballantyne**, left, senior industrial evaluator with Inco's industrial engineering department and **George Reed**, right, vice-president of the Sudbury branch of the CIM, took time out for a friendly chat with the speaker following the well-attended meeting.

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



Now you see it — now you don't! These pictures graphically illustrate the destruction of Clarabelle station. C.P.R. work crews were on hand recently to tear down the old station. Known as the "biggest little station in Canada", it generated more railway revenue per station employee than any other centre. To quote from the February 1953 edition of the Inco "Triangle": "While Clarabelle may not be famous in the Nickel Belt, it is well known to mining equipment manufacturers in the United States and Great Britain, and frequently puzzles railwaymen all over the world. They see car after car bound for Clarabelle, Ontario, but they can't find Clarabelle on the map. It is not listed in the postal guide, and its population is zero." According to local C.P.R. officials, from 1971 to 1975 a total of 175,160 cars went in and out of Clarabelle, boasting a total tonnage of 13,152,800. In 1975, there were 52,893 cars loaded, with a gross tonnage of 3,908,000 and a total revenue of \$8 million.



Dorothy Walters has joined the Public Affairs Department of Inco Limited in the new position of director, economic affairs. Miss Walters, a native of Windsor, Ontario, has been a senior officer and economist with the United Nations Department of Economic and Social Affairs in New York since 1973. Miss Walters was a senior economist with the Economic Council of Canada from 1964 to 1972. She was chief of the special programmes division of the National Energy Board, Ottawa, from 1963 to 1964. Her wide experience in the economics field has included assignments as an adviser to the United Nations on economic matters in British Guiana, Ghana and the Federation of Malaya and positions with the Dominion Bureau of Statistics in Ottawa and the National Institute of Economics and Social Research in England. During the war, Miss Walters served in the RCAF. She has a B.A. degree in economics from the University of New Brunswick, and M.Sc. degree in economics from the London School of Economics, and is the author of a number of economic studies and reports.

CPP Benefits Available

Are there employees of Inco Limited who do not know that there are Canada Pension Plan disability benefits available? If you have been absent for more than 90 days, enquire at the CPP office in the Sudbury Post Office building for an application. Providing you meet the medical requirements, there is a benefit of \$157.59 per month at present available to contributors and their dependent children. The CPP telephone number in Sudbury is 674-7501.

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



Gathering technical drawings on specific operations in the Ontario Division is no problem for employees of the Copper Cliff general engineering department. A vault, complete with a vast storage area, contains the thousands of drawings, some of which date back to the turn of the century. Here **Dennis Dagg**, left, and **Roger Pednault** inspect originals for printing.

Andy McCullough, senior environmental control analyst and an officer with the Royal Canadian Sea Cadet Corps, Admiral Mountbatten, of Copper Cliff, informs readers that the Corps' annual recruiting drive is under way. Inco employees are reminded that their boys or girls are invited to join as long as they are 13 years of age by January 1, 1977, and have not as yet reached the age of 18. According to Andy, summer courses at Canadian Forces training establishments are scheduled for next year. Youngsters interested in learning to swim, sail, handling a rifle or in learning to save a life should call Andy at 682-0516, Copper Cliff.



That's veteran precious metals room operator **Frank Cook**, of the Copper Cliff copper refinery, as he pours his last bar of gold on the day of his recent retirement. The gold bar, with a weight of 400 Troy ounces and valued at \$46,000, is pure to 999.7 parts per thousand.



A faster method of supplying information to the main computer in Copper Cliff is now available to employees of the general engineering department, following the installation of new terminals, which will be used to transmit engineering specifications along with revisions and updates to information. The monthly status report, which gives a summary of all jobs and estimates within the Ontario Division, will also be submitted to Copper Cliff through the machines. Feeding information into the computer are, from left, terminal operators **Dawn Melin**, **Anna Brampton**, and **Sandy Muzia**.



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With the peak vacation period over for another year, the first aid training classes at the Port Colborne Nickel Refinery have accelerated to a much faster pace. Among recent graduates are, from left, front row, **Peter Kah, Odilio Turchetti, Magloire Seguin, Tony Sardella, Frank Igercic and Mike Rezo.** Back row, examiner **John Koval, Alfred Pekrul, Alderic Lacroix, Ross MacLean, Donald Peressotti, Ted Rogalsky** and instructor, **Orvil Martin.**



That's **Lino DiPasquale**, left, of the yard department, and **Lidia Favero**, wife of Luciano, of the mechanical department at the Port Colborne nickel refinery, completing the translation of St. John's Ambulance examination questions from English to Italian, in order to assist bilingual employees. **Joe Rossi**, safety supervisor at the refinery, looks on. According to **Jim Kingdom**, regional manager of the St. John's Ambulance, this is the first time the exam has been translated into Italian.



Peter Grondin, of the Port Colborne nickel refinery pipe shop, dispenses soft drinks from the Humberstone Lions Club food booth at the Niagara Regional Exhibition. The booth, a trailer, is brought to many fairs, carnivals and sporting events throughout the year and manned by volunteers such as Peter. All profits from sales are used to help blind people, crippled children and to sponsor minor soccer in the area. Peter has been a member of the Humberstone Lions Club for eight years and is past president of the organization.



Ed Balogh, a pouring drum repairman at the Port Colborne nickel refinery, proudly displays his catch of a 14 pound 2 ounce Coho salmon. Ed says he caught the fish at the mouth of the Credit River, near Toronto, in some 30 feet of water. Ed has also entered his catch in the Great Salmon Hunt Fishing Contest, sponsored by "Out of Doors" magazine.

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



John King, editor of "The Daily Express", of London, England, recently toured Inco facilities in the Copper Cliff area, accompanied by his cousin, **Dr. Anthony Lee**, of Sudbury. With a typical newspaperman's curiosity, Mr. King asked plenty of questions about Inco operations in the Sudbury area. During the tour of Clarabelle mill, conveyorman **Howard Ryan**, right, explained the safety procedures used in tagging Denver flotation cells to Mr. King, left, and Dr. Lee.



The Copper Cliff Minor Baseball League held its annual awards presentation recently at the Copper Cliff Legion, complete with hot dogs and pop for players in the T-ball and Little League divisions. Trophies were presented to winning teams and individuals. Little leaguers celebrating are, from left, **Graham Symington**, **Tommy Matheson**, **Tony Vande-Weghe**, **Brent Phillips**, **Keith Bertrand**, **Shawn Hodgins**, and **Steve Mason**.

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Sudbury	682-0626
Port Colborne	835-2454



The safety department at Levack West mine recently simulated an underground scooptram fire in order to familiarize employees with available firefighting equipment. Fog nozzles, dry chemicals and different types of foam were used to extinguish the blaze which centered around a "scooptram," made up of two oil-soaked tires and a pan filled with diesel fuel. The mine rescue team from Levack West, accompanied by participants from the maintenance department and the Onaping Falls fire department, had little trouble bringing the fire under quick control with the new equipment.



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



Operations in the Clarabelle Open Pit are becoming an international attraction for young engineers in the mining industry. **Ken Zeltz**, right, survey party leader with Inco's engineering department, points out pit operations to trainees, from left, **Sum Arwoto** and **Bambang Susanto**, graduate mining engineers from the Bandung Institute of Technology in Indonesia, and **Bengt Lindquist**, of Sweden.



Golfers taking part in the annual Foot and Hangingwall Society's golf tournament at the Lively Golf and Country Club were blessed with great weather, coupled with the colorful surroundings of autumn. New champion of the tournament was **Joe Cook**, who shot 73 and picked up the Jack Holloway Memorial Trophy. Runner-up in the championship flight was **Bob Bennet**, with a score of 81. Checking their scores are, from left, **Andre Chamberland**, of mines exploration, **John Perry**, of field exploration, **Leon Oulmet**, and **Dennis Potvin**, of mines exploration. Below, **Walter Saffic**, of field exploration, reads scores to **Frank Truskoski**, of mines exploration, who jots them down on the scoreboard.



Dr. Manuel Serra, Director of International Nickel Iberica, an Inco subsidiary in Spain, and wife, left, recently toured operations in the Sudbury District with Mr. and Mrs. **Victoriano Munoz**, centre. Mr. Munoz is the managing director of Acerinox, Spain's largest steel manufacturer. The group is pictured with **Sandra** and **George MacMillan** prior to their trip underground at the Copper Cliff South mine. George is the Ontario Division's special functions coordinator.





Logo Writer — Andy Morbin

This month's logo writer — Andy Morbin. Andy is the 10-year-old son of George Morbin, a job analyst in the industrial relations department, at Copper Cliff.

Andy was asked to pen this month's cover because he was lucky enough to hook and land a 30-pound pike, one of the biggest such fish caught in this area for a long time. It's no mean feat when you consider that Andy himself only weighs 85 pounds!

All the action happened on Little Penage Lake and, according to Andy, he did everything wrong: he was using only 60 feet of badly worn six-pound test line on a spin casting-reel and was trolling to boot.

"The fish grabbed my hook and headed for bottom," said Andy. "We had no idea of how big he was until he broke surface after a 15-minute battle. My dad was so excited, he just about fell into the water!"

As it turned out, when it came time to land the fish, the small net couldn't hold it. Consequently, Andy's dad had to almost bat the fish out of the water and into the boat. According to Andy, the pike put up such a tough battle that the hooks on his lure were straightened out completely and the old line was frayed so badly that it had to be thrown out.

All in all, quite a battle and quite a logo writer.

