

The Triangle

OCTOBER 1979



The Triangle

Editor,
Rudolph Kneer



On The Cover . . .

Some 6,700 Sudbury and District residents turned out for the Open House, recently held at the Canadian Alloys Rolling Mill in Walden. In addition to touring the modern facilities, visitors viewed a display of the world's most complete selection of pure nickel coins.

Cover photo by the author

October 1979 Volume 39, No. 4

Published by the Public Affairs
Department for employees of
the Ontario Division of Inco
Metals Company, Copper Cliff,
Ontario, P0M 1N0.
Phone 705-682-0631.

Inco Limited:

Nine-Month Earnings At \$72.5 Million Third-Quarter Earnings Up At \$55.9 Million

Earnings of Inco Limited for the first nine months of 1979 were \$72.5 million, or 74 cents a common share, compared with earnings of \$67.7 million, or 70 cents a share, for the corresponding period last year. The increase reflects improved prices for nickel, copper, precious metals, cobalt and formed metal products, and a \$30.7 million credit resulting from a tax change in the United Kingdom. These benefits were largely offset, however, by charges applicable to the company's Guatemalan and Indonesian projects, costs and expenses attributable to the Sudbury strike, and the adverse effect of currency translation adjustments. Earnings per share are after allowances for preferred dividends which totalled \$17.4 million in the first nine months of 1979 and \$15.3 million in the first nine months of 1978.

Earnings for the third quarter of 1979 were \$55.9 million, or 67 cents a common share, compared with earnings of 9.8 million, or six cents a share, for the third quarter of 1978. A credit of \$24.1 million relative to the tax change in the United Kingdom is included in the third-quarter 1979 results, while costs and expenses in the third quarter of 1978 included \$18.6 million of abnormal start-up costs and strike expenses attributable to the Sudbury strike. Earnings for the third quarter of 1979, compared to the corresponding period last year, also benefitted from sharply improved metals prices, but were adversely affected by charges applicable to the Guatemalan and Indonesian projects and currency translation adjustments.

Net sales for the third quarter totalled \$604 million, compared with \$488 million for the third quarter of 1978. Sales for the first nine months amounted to \$1,734 million, compared with \$1,544 million for the corresponding period last year. Sales to customers in these periods were as follows (in millions of dollars):

Note: All dollar figures are expressed in U.S. currency.

	Third Quarter		Nine Months	
	1979	1978	1979	1978
Inco Metals Company	\$271	\$200	\$737	\$630
ESE Ray-O-Vac®	211	190	607	557
Formed Metal Products Group	122	98	390	307
	<u>\$604</u>	<u>\$488</u>	<u>\$1,734</u>	<u>\$1,544</u>

Includes sales to and from customers, + some minor income from sale of waste material, under the product.

Visitors From Far and Wide:

Inco Surface Tours Attracted 6,950 Visitors Regularly Conducted Tours To Commence in May

Some 6,950 people toured Inco's surface operations from July 16 to September 14, during the Company's summer tour program. The four daily tours were available to persons 12 years of age and older.

Of the 6,950 visitors, some 1,300 were local residents, Ontario residents living outside of Sudbury totalled 2,415, while 1,400 of the tourists lived outside of the Province of Ontario. There were 1,360 visitors from the United States and 425 with addresses in Europe. The remainder of the tourists had addresses in other countries including Australia, New Zealand and Japan.

The 90 minute tour included visits to the Copper Cliff South Mine Holstroom, the Clarabelle Mill grinding aisle and control room and the Copper Cliff Smelter furnaces and converter aisle. Before and after the tours, visitors viewed films and displays at the tour centre on mining and refining operations.

Regularly conducted tours of Inco's surface operations at Sudbury will resume in May, 1980.



Bob Surridge is a foreman with the products handling group in the foundry additives plant at the Port Colborne Nickel Refinery. A 14-year veteran at Inco, Bob enjoys fixing up and remodelling his home. With his wife Sheila are daughters Rhonda, 17, Glenda, 16, and son Robbie, 6.

Family Album



Sheldon McCartney has been with Inco for the past 28 years and is an electrical foreman in the Copper Cliff smelter. In his spare time, Sheldon enjoys playing bridge. He also finds time to hunt and bowl with his sons. Shown with his wife Glen are, from left, Stuart, 19, Scott, 17, and Vickie, 21.



Representing Levack West mine is Rene Bujold. A loaderman with 32 years of service, Rene enjoys fishing and working around the house. Rene is pictured here with his wife Gaetan, his daughter Susanne, 23, and son-in-law Bruce Rhude. The grandchildren are, from left, Ben, 1½, Sarah, 2, and Chad, 4.



This is the Bill Luciw family. Bill, an Incoite for over 15 years, is a maintenance foreman in the Copper Cliff smelter. During his spare time he coaches girls' junior softball and also finds time to referee N.O.H.A. hockey. With his wife, Marlene, are, from left, daughters Lynn, 14, Shelley, 11, and Renata, 7.



Feed operator Bill Bayley introduces Roscoe the Robot to receptionist Benita MacKinnon.



Addressing an enthusiastic audience, Roscoe regales a cost control meeting with incredible tales of overextended budgets and impossible deadlines that were part of his creation.

Roscoe tours the Nickel Refinery

He's a television star, a radio personality, an accomplished entertainer, and definitely a rising star. He travels extensively, accepting engagements at schools and performing at libraries, drawing capacity crowds wherever he goes. And no wonder! He's debonair, solidly-built, well-groomed, mild-mannered, and has personality Plus! Not bad for a six-month-old who stands just under four feet tall and



Roscoe undergoes a complete physical by first aid attendant Hubert Dekever.



Roscoe joins the boys for lunch and a hand of cards - from left, Paul Cote, assistant feed operator, Ed Lukie, process laborer, and Dale Van Horn, feed foreman.



Supervisor Steve Lemega, left, and second class maintenance mechanic Gino Gregorini help Roscoe master the controls.



Time for a serious discussion - Roscoe accepts an invitation from Peter Ryan, plant manager, for an indepth conversation dealing with the basic operation of the nickel refinery.

tips the scales at 75 pounds.

His name is Roscoe. And he's a walking, talking robot who recently decided that a tour of the Copper Cliff nickel refinery was in order. Things just haven't been the same since!

In just one short day, Roscoe charmed the receptionist, captivated the cost control group, astounded the medics, mastered the converter building's complex control room, beat the lunchroom boys at cards, and

participated in heavy discussions with the plant manager. In all, a unique visit that will be long remembered . . . by everyone!

To find out more about Roscoe the Robot, the Triangle talked with its creator, Bill Bayley, a feed operator in the converter department.

Seems like the project had been on Bill's mind for a couple of years - ever since he'd whipped out a cartoon featuring robots. Creative,

and always handy with his hands, Bill put the robot together, using parts from vending machines.

Intended as a Christmas present for his six-year-old daughter Linda, it took Bill some two months to assemble Roscoe - approximately 150 man-hours. Five small motors, a 50-foot extension cord and a control box all help make the remote-controlled Roscoe function. His body is made of wood, and his arms are hoses taken from an electric dryer. He moves on wooden wheels, and his oversize "running-shoes" are crafted from aluminum. Pre-programmed tapes enable him to talk and explain to youngsters just how he operates.

Built mainly for entertainment, Roscoe has so far cost Bill about \$100, and will ultimately represent an expenditure of over \$1,000 by the time the robot is refined to Bill's satisfaction.

Says Bill, "the project was enjoyable and frustrating", and he laughingly adds that he's trying to teach Roscoe how to mow his lawn. When asked, naturally, if he's contemplating a female robot, Bill says, "Well it's been requested - from whom, we wonder - so yes, I'm thinking about it. Hmm. What do you think of the name 'Roscella'?"

Guess if that ever happens, we'll have to be on the lookout for a whole bunch of "little Rascals"!



Thoroughly satisfied with his plant tour, Roscoe heads for home - a special ramp built by creator Bill Bayley allows Roscoe to enter his mode of transportation easily and quickly.

It all started innocently enough, with a quick browse through a music store display of record albums featuring such titles as "Our Miss Brooks", "The Shadow", "Inner Sanctum", "Dragnet", "The Lone Ranger", and, in particular, an original version of H.G. Wells' "War of the Worlds".

One listen, and he was hooked! For Reg Hubert, scooptram operator at Copper Cliff South mine, the hobby of collecting and trading oldtime radio shows has, in just two short years, already provided him with over 4,500 programs.

When first introduced to the fascinating world of "oldies but goodies", Reg wondered if perhaps other Sudburians with similar recordings might be interested in trading. He aired his thoughts on a local open-line radio show and received immediate response from an area resident willing to swap copies. By doing so, they realized they'd each doubled their own collections!

Reg then learned about other collectors through a newsletter issued by North American Radio Archives. Contact was made with an American, and the shows Reg obtained were

then traded for copies of shows owned by a collector in Ottawa. These were traded to a lady in Dowling, and the shows obtained from her were in turn traded to a chap in St. Catharines. These shows went into Reg's collection library, to be later traded with collectors in Portland and Maryland. And on . . . and on . . .

Reg's own catalogue shows a current listing of over 236 reels and more than 300 cassettes, and he's taken his collection to such places as Pioneer Manor and the chronic-care section of Laurentian Hospital, where his shows provide welcome entertainment for the older set.

Reg admits to receiving as many as 15 seven-inch reels in one day, with each reel capable of accommodating twelve half-hour shows. Which means he can easily fall behind in the listening and copying of them. And while the recent strike gave him time to catch up on things, he points out that it just takes one visit from the mailman with a bigger-than-usual offering of tapes, and he's behind again!

The equipment he's accumulated includes two reel-to-reel tape decks,

stereo cassette tape decks, two 8-track recorders, and 35-watt "dubbing" amplifier. Not to mention all the odds 'n' ends!

Along with his original trading partner, Reg has now formed a local collector's club known as the Oldtime Radio Show Collectors Association, or "ORCA", for short. It's a non-profit organization that has as its goal the "promotion of the widest possible use of, collection of, and trading of, Old Time Radio Shows at the lowest possible cost to members, consistent with maintaining the highest possible standards of quality in the "dubbing", or copying, of these shows".

The club maintains a library from which members can rent tapes, and the monies received are applied toward the purchase of blank tapes and the replacement of lost or damaged tapes. Reg adds that membership in the club will be revoked if a person is found to be taking commercial advantage of the library service; no one is allowed to rent tapes out for resale at a profit.

More information about the hobby, and membership, can be obtained by writing to Reg at 45 Barry Street in Sudbury . . . postal code P3B 3H6.

An unusual hobby — collecting those

Oldies but Goodies!



Scooptram operator Reg Hubert checks through cassette recordings of oldtime radio shows.



With over 4500 vintage programs in his collection, and a host of electronic recording equipment at his fingertips, Reg's spare time is fully occupied with listening, taping, and cataloguing.

Azilda Lions Club Members Lend Helping Hand

When it comes to lending a helping hand, leave it up to members of the Azilda Lions Club. For the third year in a row, Azilda Lions have generously responded to a call for help from St. Lucia, an island in the West Indies.

According to Chuck McGaughey, a mine foreman at Levack mine, it all started three years ago when Bob McAllister, a fellow Lion, visited the island, talked to members of the St. Lucia Lions Club and decided something should be done to help alleviate some of the poor living conditions of St. Lucia's citizens.

Whereas clothing and other materials were forwarded to the St. Lucia Lions Club for distribution in previous years, the latest shipment to the poverty-stricken island consisted of hospital and allied equipment, ranging from incubators, oxygen tents, operating tables and lights, surgical equipment to generators, sterilizing units, bedside tables and stretchers. As well, the recent shipment included thousands of dollars worth of much needed medicines, with most of the supplies donated by hospitals, clinics and pharmaceutical firms throughout Ontario.

Members of the Azilda Lions Club, along with many Inco employees, gathered recently for the tiresome task of getting the material ready for shipment.

Inco's Levack mine helped out by supplying some \$7,000 worth of crating materials in the form of plywood, nails, tape and strapping. Tilden Rent-a-Truck and Dellelce Construction and Equipment each donated the services of a large truck for the pickup and final delivery of the equipment to the Canadian Air Force Base in Trenton from where the goods were flown non-stop to St. Lucia.



Getting the equipment ready for shipment was a formidable task and took many hours of hard work and expertise. Loading one of the operating lights are, from left, Chuck McGaughey, mine foreman at Levack mine, Esko Laakso, a machinist in Copper Cliff, Claude Landry, an employee with the instrumentation department in Copper Cliff, and Marcel Landry, a mechanic with Falconbridge Nickel Mines.



Checking this load of badly needed hospital equipment are, from left, Ken Blacklock, president of the Azilda Lions Club, Eugene Sivret, Azilda's town foreman, and Esko Laakso. This transport carried an x-ray unit, oxygen tent, incubator and operating light. Value of the total shipment to St. Lucia is estimated at nearly \$1 million.

Power Bill Cut By \$1 Million Annually:

Ontario Division Receives "Electric Energy Efficiency Award" From Ontario Hydro

The Ontario Division of Inco Metals Company was recently presented with Ontario Hydro's "Electric Energy Efficiency Award" for major achievements in the field of energy conservation. Accepting the coveted award for Inco was Gerry Cullain, manager of Central Utilities in Copper Cliff.

On presenting the award at the Copper Cliff Club, Hal Wright, Ontario Hydro's Northeastern Ontario regional director, stated that the award is presented in recognition of outstanding achievement in the field of electric energy conservation.

"Inco Metals Company's Ontario Division, directed by senior management and its utilities department, has demonstrated commendable leadership by setting an example to others of the elimination of waste and the efficient use of electricity," he said.

According to Gerry Cullain, energy management has been a priority at Inco since the early 1930's when facilities were installed to recover heat from the smelting and refining processes at Copper Cliff and from the nickel refinery at Port Colborne.

A concern over dwindling energy resources and their increasing costs made it necessary for Inco's Ontario Division to review its energy use even more closely several years ago. This resulted in an Inco policy to ensure adequate supplies of energy at the least possible cost.

Since 1976, the energy conservation program has cut the company's electric power bill by approximately \$1 million annually, mostly by improvements in its electric load factor. Peaks were reduced by cutting back operations, such as skip hoisting, when a pre-determined peak was reached, and permission was required to start all motors over 500 h.p.

Further savings were achieved by

using digital pulse metering, installing waste heat boilers at the Iron Ore Recovery Plant to recover heat from fluid bed roasters and utilizing process heat exhaust for space heating. In addition, compressed air use was reduced, with leaks repaired and shut-off valves installed to isolate loads and shut down the system; fresh air mine ventilation was reduced on weekends; building insulation was upgraded; heaters were efficiency tested, and unused doors and windows were covered.

award

ELECTRIC ENERGY EFFICIENCY

Inco Metals Company (Ontario Division)

This award is presented in recognition of outstanding achievement in the field of electric energy conservation. Inco Metals Company (Ontario Division), directed by senior management and its Utilities Department, has demonstrated commendable leadership by setting an example to others of the elimination of waste and the efficient use of electricity.

Aside from numerous other energy-saving programs initiated at all mines and plants, major energy savings were realized by insulating oil tanks and the general upgrading of steam pipe insulation. Most of all, according to Gerry Cullain, employee participation to reduce energy consumption throughout the Ontario Division has been most encouraging. Furthermore, he believes that the ongoing educational program will contribute to yet a further reduction in energy consumption.



Accepting the "Electric Energy Efficiency Award" on behalf of the Ontario Division of Inco Metals Company were John Lemay, left, superintendent of power, and Gerry Cullain, second from left, manager of Central Utilities. The presentation was made by Hal Wright, second from right, Ontario Hydro's Northeastern Regional Director, and Ed Snook, Ontario Hydro's Manager of Marketing, Northeastern Ontario.

Inco Employees As Teachers

The lights have been turned off, the doors locked and the day's work forgotten. Most of us are on our way home from work, glad that the day is finished and looking forward to relaxing. But there is another community that is just starting to come alive.

All across the country - schools, community colleges and universities are gearing up for the rush of students. The students may be a bit older than those during the day but they are no less interested. This is the world of night classes. The classes attract thousands of people to a variety of courses ranging from auto mechanics to zoology.

Sudbury is no exception to this new trend. Many Inco employees spend their evenings taking courses. But this article is about a special breed of people who teach courses at night and also work at Inco. They enrich the lives of many people and without them our community would be much less interesting.



Paul Stahl, left, an electrician at Garson mine, teaches a course on Edible Wild Plants. Students Linda Grylls and Dave Medford get some pointers during class.

"I've been teaching the course at Cambrian College for about five years," said Paul, "and find the students to be very enthusiastic and interested in learning about plants."

Paul learned about edible wild plants when he was growing up in his native Germany and brought this knowledge with him when he came to Canada.

Evening Classes A Whole New World For Inco Employees

Guido "Chick" Cecchetto, a leader in the welding department in the Copper Cliff smelter with student Wayne Taylor. Chick teaches welding at Cambrian College. "I've been teaching welding for about 10 years," said Chick. "The course is primarily arc welding and runs continuously throughout the year." Chick has been with Inco for about 40 years and has been in the welding department for almost 38 years.



Continued on Next Page



Interest High in Evening Classes

Al Este, centre, with students Claire Brousseau and Gary Lefebvre in the Human Relations course at Cambrian College. Al is operations training co-ordinator for smelting and refining and just started teaching this year. "I find teaching to be very interesting and the people are great," he said. "It's something that I really look forward to every week."



Gerold Heinze is a senior mechanical specialist in the central maintenance department and teaches Heavy Duty Equipment Mechanics at Cambrian. "I've been teaching at Cambrian for about eight years," said Gerold. "I was also mines training co-ordinator for Inco before that, so I've been involved in training for quite a while. I enjoy teaching and I like the people at Cambrian." In the photo, Gerold, centre, demonstrates the proper way to set the valves on an ST-4 scooptram engine to John Laronde, left, and Brian DeKuyper.



Ernie Soucek, centre, with students Jane Townend and Glen Tocholke. Ernie teaches a four-day Hunter Safety course with Cambrian College and has instructed since 1966. A powderman at Frood mine, Ernie is very interested in proper gun handling. "The reason that I started teaching was to be sure it's safe when I go into the bush," he said. "If enough people are conscious of gun safety then there will be less accidents and since I go hunting I don't want to wind up getting shot. It's for my own protection too."

Roy Benoit is a trackman at Creighton mine but enjoys spending one night a week teaching Karate for Children at Hanmer Secondary School. "The kids bring a lot of interest and enthusiasm with them," said Roy. "It's an enjoyable experience to teach them." In photo Roy shows Mike Kilby proper form while Stephen Taylor looks on.



John Zimmer, an instructor with the training and development department, teaches Communications and Interpersonal Relations at Cambrian College.

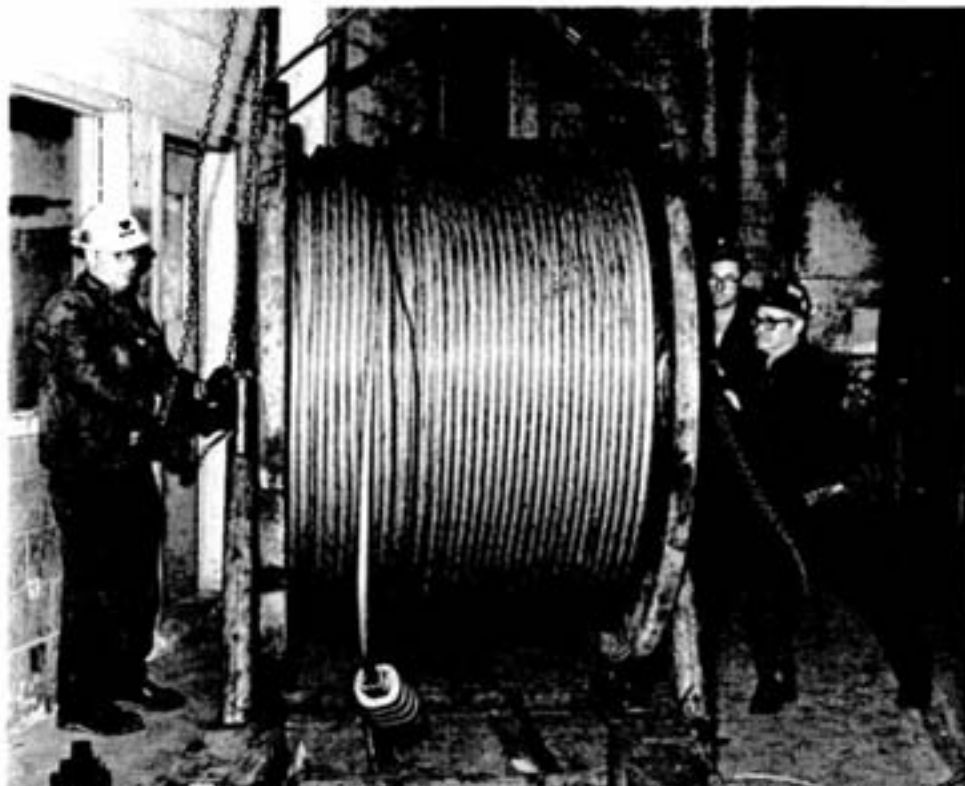
"I just started teaching this year," said John. "I enjoy it very much and am able to meet a good cross-section of people. It's a very challenging job."

Bob Nerpin teaches Hunter Safety at LaSalle Secondary School. He's a stope leader at Levack mine and is an avid hunter and outdoorsman. "I've always been interested in guns," said Bob. "The only way we're going to control hunting accidents is by proper safety training. That's why this course is important." Getting a few pointers on proper gun handling are Diane Bonin and Mark Palkovits.



Crack Crews Replace Hoist

The expertise and efficiency of Levack area maintenance and operating crews came under test during a recent hoist rope change at Coleman mine. As predicted, the complex undertaking was carried out flawlessly and in less than five shifts!



With the help of an overhead crane, this new reel of rope with new attachment is being positioned into the cable stand by, from left, Marty Nowoselsky, rigger first class, Sinclair MacKenzie, rigger first class, and Bob Langstaff, rigger second class.

Preparing to cut the old rope to remove the attachment that connects to the cage are, from left, Armand Brideau, rigger first class, and Jerry Perrin, a rigger helper.



Changing hoisting ropes is no easy undertaking, considering that excellent communication and good co-ordination between members of the crews are essential prerequisites in performing a rope change of this type.

It was the first time that the cage and counterweight suspension ropes were changed at Coleman mine. The four ropes, originally supplied by Wire Rope Industries, measure 1-3/16 inches in diameter, with a length of 2,400 feet each and a breaking strength of 186,000 pounds. It is interesting to note that the old ropes had been in service since 1970, thanks to a rigid rope maintenance program carried out throughout the years.

Prior to the rope change, a detailed procedure, outlining each job step, was reviewed with the crews. Once the final job steps had been established, the actual rope change was carried out, with deviation allowed only after a careful review of any problems that could develop.

The technique employed at Coleman mine involved the changing of one rope at a time from the collar elevation, thereby negating the need for costly rope changing stations in the shaft. Since the major portion of the job was carried out over an open shaft, all safety procedures were followed to the "nth" degree to ensure the safety of men and equipment.

According to mine superintendent Jim Ashcroft, the crews, along with their respective supervisor and support staff, are to be commended for completing a complex job safely and in record time.

Ropes in Record Time



Ron Benoit, rigger first class, signals the winder operator to begin winding the old rope onto the reel as it is being removed from the shaft. Looking on is Donald Pierce, general foreman, operating and maintenance.



These are the members of the crack maintenance crew who carried out the rope change in record time. Front row, from left, Jerry Perrin, Roger Brideau, Al Croteau and Fred Monette. Second row, Lou Lebel, Larry Bertrand, Armand Brideau, Joe Kuhle, Eric Vachon and Dan Sherrington. Third row, Cliff Vandebrook, Red Faubert, Bob Langstaff, Ron Benoit, Ray Cormier and Sink MacKenzie. Fourth row, Ron Rafuse, Henry Burton, Marty Nowoselsky and John Komar.

Joe Farmer is shown at the controls of the hoist as he responds to a signal from the riggers.



After connecting the new rope to the cage, John Komar, rigger first class, signals the hoistman to tighten the rope.



Suggestion Plan Awards Over \$17,000

\$8,640 Suggestion Award To Levack West Mine's Jesse MacTaggart - Stobie Contributor Collects \$2,090

Suggestion plan awards totalling more than \$17,000 were paid to Sudbury area employees over the past two months, with Jesse MacTaggart, a jumbo driller at Levack West mine, picking up the top award of \$8,640. He suggested that a teletram be converted for a more efficient slimes removal system underground.



A smiling Jesse MacTaggart, jumbo driller at Levack West mine, accepts his \$8,640 suggestion plan award from Eric Kossatz, manager of the Levack complex. Jesse's successful idea to modify a teletram for slimes disposal underground is but one of numerous suggestions he has submitted over the past many years.

Emile Langlois, a drill fitter at Stobie mine, was the proud recipient of a \$2,090 award. Emile suggested that shell slides for Simba drills be manufactured in Inco shops.

Gerard Rancourt, of matte processing, picked up \$1,310 for his idea that a removable nut be placed on Denver shaft pumps.

Another big winner was **Joseph Krukas**, of the Copper Cliff divisional shops. He was awarded \$1,210 for suggesting that oil from hydraulic cylinders be salvaged, cleaned and recycled.

Fernand Aubin, of the Copper Cliff copper refinery, was awarded \$340 for his idea to install a timer in the E. W. centrifuge motors.

Two Frood mine employees, **John Kruk** and **Jack Armstrong**, split a \$340 award for suggesting revisions to the locomotive brake cylinders.

Another Frood mine employee, **William Smith**, collected \$185 for his suggestion, outlining an improved method of removing slimes from Traylor jaw crushers.

Armand Fiset, of matte processing, was awarded \$185. He suggested that Garlock packing be used on Marcy ball mill grates.

Gino Pigozzo, of the Copper Cliff smelter, collected \$145 for suggesting that the converter punching platform be raised.

Dieter Blaffert and **Joe Johnson**, of the Copper Cliff smelter, split a \$125 award for their idea to install a dust seal between D-floor filters and bin.

Another smelter employee, **Tracy Hobden**, collected \$105 for suggesting the installation of flow meters in the control room for the converter hood cooling system.

Romeo Morin, of Stobie mine, was handed \$105 for his idea to install rubber under the box of scissor trucks to keep dirt from entering the brake cylinders.

Robert Fournier, of the Copper Cliff copper refinery, picked up \$95 for suggesting a method to eliminate the machining of mud syphon expander tubes.

An \$80 award was given to **Jim McLaren**, of the iron recovery plant. He suggested the installation of air valves for the draining of feed tanks.

Barry Way, of the Copper Cliff copper refinery, received a \$75 cheque for his idea to install an expansion joint in the three-inch line from the first-stage product tank to the copper removal reaction tank.

Two Copper Cliff copper refinery employees, **Gary Hunter** and **Richard Fortin**, split a \$70 award for suggesting the redesign of crane trolley wheel brackets. Another \$70 winner was **Armand Fiset**, of matte processing. He suggested that gas heater shafts be fabricated in two parts.

John Stos, of Copper Cliff South mine, collected \$60 for his idea that oil lubricators be installed on garage air lines which are used to operate impact tools. Also collecting \$60 awards were **Cosmo Tozzo** and **Camillo Parisotto**, both employees of the Copper Cliff copper refinery.

Awards of \$50 were handed to **Jean Dufour**, of Stobie mine; **Felix Folsy**, of the iron ore recovery plant; **Xavier Bouffard**, of the Copper Cliff smelter, and **Ronald Cecchetto**, of matte processing.

Collecting \$45 suggestion awards were **Jean Dumont**, of the Frood-Stobie mill; **Leo Vincent**, **Gerry Ouellette**, **Bob Burke** and **Tom Eastwood**, of the Copper Cliff refinery and **Marcel Bray**, of Little Stobie mine.

Stobie mine's Emile Langlois' idea to manufacture shells for Simba drills in our own shops paid off handsomely. Here Emile, a drill fitter, happily accepts his \$2,090 cheque from Frank Kelly, Stobie mine superintendent.



co in the mmunity

Inco, on behalf of all employees, supports a variety of community clubs, groups, organizations, institutions and projects by means of financial contributions and donations of goods and services. These worthy causes range from medical to recreational, and from educational to cultural, and are examples of Inco's commitment to the communities in which our employees and their families live, work, and play. Listed here are but a few of the many institutions and other service establishments who were assisted in numerous ways over the past few months:

St. John Ambulance • Telecare • Sudbury Regional Disaster Relief Fund • C.N.I.B. • St. Charles Agriculture Society • Sudbury Save The Boat Organization • Manitoulin Student Fund • Queen's University Scholarships • Laurentian University Scholarships • Laurentian University Mining School • Haileybury School of Mines Scholarship • Arthritis Society • Ontario Heart Foundation • New Sudbury Community Service Centre • Sudbury House • John Howard Society • Club 3me Age • Le Centre des Jeunes de Sudbury.



The recent YMCA Telethon netted some \$182,000 in pledges from community minded Sudbury and District residents. Ron Brown, right, assistant to the president Ontario Division, donated \$20,000 on behalf of Inco Metals Company early in the Telethon. This amount is over and above Inco's regular annual support payment to the Sudbury YMCA. Pictured with Ron is Marty Allen, well-known comedian, who spent the better part of two days in Sudbury to promote the successful event.



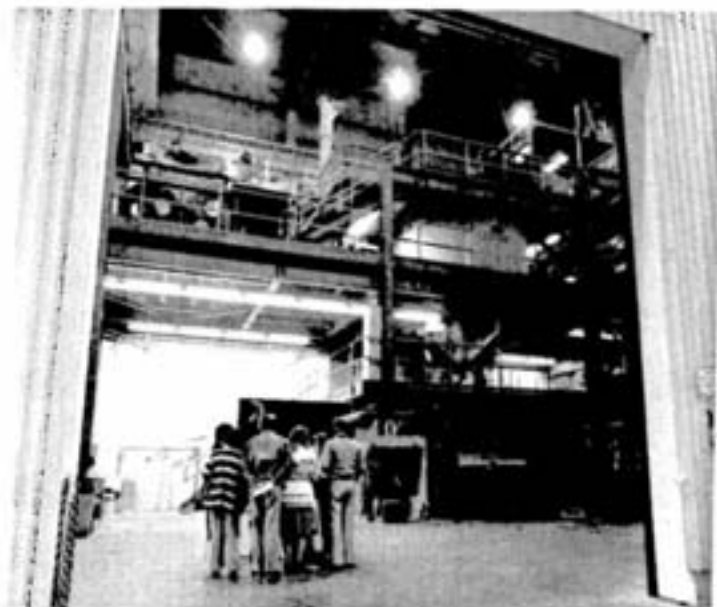
Open House at New \$25-Mill Attracts 6,700 Sudbury

Thousands of Sudbury and District residents and their families were guests of the new \$25-million Canadian Alloys rolling mill and its employees in Walden recently. The following day, the plant was officially opened by Douglas Frith, Chairman of the Regional Municipality of Sudbury.

In addition to touring the facilities, some 6,700 visitors viewed the various displays, including a display of the world's most complete selection of pure nickel coins. One of the coins was minted in Switzerland back in 1881. A Canadian coin, minted from Canadian Alloys' first shipment of strip, was handed to guests as a memento of their visit.

Following the tour of the modern facility, a puppet show was provided for the young fry. As well, a large assortment of refreshments was available throughout the day.

Canadian Alloys, a division of Inco Limited of Toronto, is part of Inco's Formed Metal Products Group. The decision to build the plant followed many years of research by Inco. From the research, processes for the production and





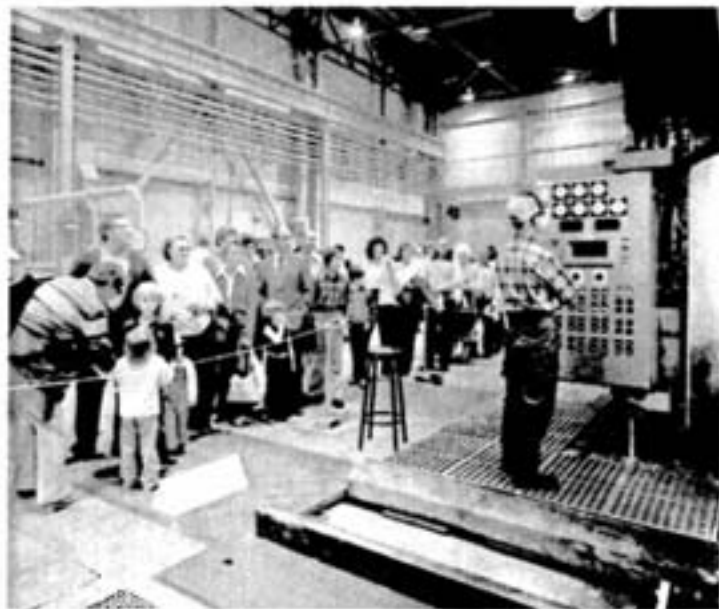
Million Canadian Alloys Rolling and District Residents

direct rolling of metal powders were developed. The plant at the Walden Industrial Park is the first commercial application of these developments.

The plant produces strip for coinage and other applications by two processing steps not commonly used in the industry. Nickel, or a combination of copper and nickel, is melted and atomized by high pressure water to form powder. In a continuous operation the powder is roll compacted into strip, heated, hot rolled, and coiled. The hot rolled coils are then reduced to required thickness by conventional cold rolling. All copper and nickel used in the process is mined and produced by Inco Metals Company in the Sudbury district.

The plant has been designed with a high degree of environmental awareness. Waste heat is recovered for heating and there is virtually no smoke or dust effluent due to highly efficient dust collection and filtering systems.

The Canadian Alloys rolling mill is the only commercial facility designed for the continuous production of strip, starting with powder and ending in a bright, commercial grade product.



Chief Executive Officer Guest of Regional Chairman:

J. Edwin Carter dispels gloomy forecasts on visit to Nickel Capital

Inco is the largest single employer in the Sudbury area and is likely to remain so for many years to come, according to Inco Limited Chairman and Chief Executive Officer J. Edwin Carter in a recent speech delivered at a special meeting of Sudbury Regional Council. Dispelling pessimistic and gloomy forecasts about the Sudbury area, Mr. Carter told members of council and a gallery of interested citizens that Inco's Sudbury operations will continue to represent the company's principal source of nickel production.

During his one-day visit to Sudbury as guest of Regional Chairman Doug Frith, Mr. Carter was accompanied by Inco Limited President Chuck Baird, Vice-Chairman John McCreedy, Inco Metals Company President and Chief Executive Officer Don Phillips, and Ontario Division President Wint Newman. The group also toured the Sudbury Basin and, along with Regional Chairman Doug Frith, co-hosted a press conference following Mr. Carter's address to council.

In his opening remarks to council, Mr. Carter said: "It has been disturbing to us during the past two years or so to hear pessimistic and gloomy forecasts being made about this area, based at least in part on erroneous statements or beliefs about the future plans and policies of Inco. If nothing else is accomplished by our visit today, I hope we can dispel some of these worries by sharing with you our candid and realistic assessment of Inco's operations in Sudbury.

Before getting into that discussion, however, I want to announce that we are in the process of examining our requirements for office facilities in downtown Sudbury. Wint Newman and his staff have made a preliminary analysis of Division functions that appropriately can be carried out in a new location downtown. We do not believe it would be practical or desirable for us to construct a large office building. It is more likely that we will lease, in an existing or planned project, facilities that would be suitable for a number of significant activities associated with our Sudbury operations. In due course, we will be pleased to discuss these plans with the Council and other interested

groups with a view to meeting our mutual interests and needs.

"Looking to the future of Sudbury and our operations here, two economic realities should be noted. Firstly, Sudbury is less dependent on Inco than in the past because the economic base of the Sudbury area

has broadened and diversified. Indeed, Sudbury is the regional centre of northeastern Ontario. We commend this council and others who have demonstrated leadership in these developments. Secondly, despite this change and economic growth, Inco is still the largest single



J. Edwin Carter, centre, Chairman and Chief Executive Officer of Inco Limited, responds to questions fielded by members of the news media following his address to members of Regional Council. Pictured from left, are Don Phillips, Chairman and Chief Executive Officer, Inco Metals Company; John McCreedy, Vice-Chairman, Inco Limited; Doug Frith, Chairman, Regional Municipality of Sudbury, and Charles Baird, President, Inco Limited.



Addressing members of Regional Council, Mr. Carter told the gathering that Inco is prepared to work with council and others to ensure that Inco's policies, plans and actions are co-ordinated with those of the community.

employer and is likely to remain so for many years to come. Our operations will continue, therefore, to have a direct and significant impact on this area.

We believe it is important and in our mutual interests for Inco and this community to recognize these economic realities. We are prepared to work with you and others to insure that our policies, plans and actions are coordinated with those of the community, and we pledge our continued general support of significant diversification efforts that will strengthen the economic base of Sudbury.

Against this background, I will address first the long-term future of our operations here and then discuss more immediate operational plans. Essentially, I will be talking about our intentions and a series of factors that will affect our ability to carry out those intentions.

First, let me say loud and clear that we intend to stay in the nickel business, and our Sudbury operations will continue to be our principal source of production. We have more than \$2 billion invested here, almost one-half of which was spent from 1965 through 1974 to modernize and

expand our facilities, and the current replacement cost would be more than \$4 billion. Our Sudbury complex not only is Inco's largest primary metals operation, it is by far the largest nickel-producing facility in the world. And, in addition, it is a cost-competitive operation and should be able to remain so for many years. How anyone would think that a private enterprise would abandon such a facility is beyond my comprehension. Suggestions that we are planning to do so are not worthy of belief.

Of our total Canadian reserves, by far the larger portion is in the Sudbury District. Here we have approximately 325 million tons of ore, containing 4.8 million tons of nickel and 4.0 million tons of copper. If we were to reach and maintain an average rate of production of 300 million pounds of nickel per year, which is somewhat higher than we currently are producing, simple arithmetic indicates that our proven reserves would carry us well into the next century. But this does not mean that 25 or 30 years from now our Sudbury operations will cease, because we continue to prove up new reserves. Our current plans

contemplate continuing expenditures in the Sudbury District of between \$7 million and \$8 million a year in this ongoing exploration program. Our objective is to keep finding and proving more ore as we extract the tons from today's proven reserves.

Continued on page 20



Mr. Carter assured members of Regional Council that Inco's Sudbury operations will continue to be the company's major source of production in years to come.

I can summarize by saying that our Sudbury operations, so long as they remain cost-competitive, are assured of sufficient ore reserves to support production beyond the year 2000. We all hope and expect that our extensive exploration will generate additional ore reserves and add more decades to Sudbury's future as a major producer of nickel, copper and precious metals.

It is often said that ocean mining is a serious threat to the future of Inco's Sudbury operations. We strongly disagree, and I want to discuss briefly this much-misunderstood subject.

Our judgement at this time is that ocean mining will not be cost-competitive with existing land-based operations, certainly not with our Sudbury production, for many years. Thus, so long as investment decisions are made on the basis of economic and market factors, Sudbury should not be concerned about ocean mining.

Another type of disaster is envisioned by some who see our Sudbury operations threatened by other Inco production facilities. If the Ontario Division were a small, high-cost operation such fears might have credibility. As I have already noted,

this is not the case. Still, the speculation persists, so let us look briefly at some facts and figures.

First of all, I want to repeat and emphasize the reasons for developing our Guatemalan and Indonesian sources of nickel. The ore in any deposit is not unlimited, and if mined, ultimately will be depleted. It was clear to us as long as 40 years ago that it was not practical or responsible to expand production at Sudbury to the extent required to meet the growing demand for nickel. Thus, we would have to develop additional resources outside of Sudbury if we were to maintain our position as a leading producer.

Since a mining company must go where the ore is and since the Indonesian and Guatemalan deposits were available to us, we decided in 1973 and 1974, respectively, to develop those projects to supplement our Canadian production and thus enable us to supply a part of the projected long-term growth in nickel consumption — particularly in certain markets such as Japan. These projects should be viewed in this context and not as threats to Sudbury; a brief review of their capacity and production will clearly demonstrate this.

The Sudbury District remains our single largest source of nickel, and we believe it will continue to be our most efficient mining and processing operation in the foreseeable future. Our foreign projects in Guatemala and Indonesia were designed to supplement, not replace, our Canadian production, and we are not about to "abandon" Sudbury as some people like to suggest. No one should mistake our intentions."



Along with the many Sudbury residents crowding the council chambers was this unidentified youngster, here attentively listening to Mr. Carter's address. Inco Limited President Charles Baird smiles his approval at the youngster's keen interest.



During his recent visit to Sudbury, Don Phillips, left, Chairman and Chief Executive Officer of Inco Metals Company, toured the Copper Cliff Nickel Refinery. Above, he is pictured greeting Rocco Bozzo, centre, a first class maintenance mechanic, and Stan Smith, a second class maintenance mechanic.



As well, Vice-Chairman John McCreedy, Inco Limited, visited the Levack complex during his stay in Sudbury. In the Levack mine warm room, he enjoyed some light banter with level boss Gordon Hurley, left, drill fitter Joe Dupuis, and stope leader Louie van Dyke.

Kirkwood Salvage Depot

Three years ago this month, the Kirkwood Salvage Depot set up shop to restore surplus equipment received from several Inco Ontario Division mining operations. Today, the depot is a humming, well-organized workshop that concentrates on returning surplus air equipment, particularly slushers and cylinders, to active duty in the mines.

The unique rehab project is manned by a handful of

permanent light-duty employees who, according to shop leader Bill Glogger, thoroughly enjoy their work and appreciate the opportunity to maintain an active role in the work force.

Hats off to the "unsung heroes" who quietly, yet effectively, provide the company with a much-needed service.



In the fully-equipped workshop, Bill Edkins repairs the muffler on a jackleg drill.



Raymond Poulin, left, and shop leader Bill Glogger fit a bearing in a slusher drum.



Bernard Cribbs packs an air cylinder before it is returned to the mining operations.



Norm Buchy repairs a chest valve for a slusher motor.

Yours Free For The Asking:

Computerized Analysis of Home Insulation Requirements Will Cut Your Heating Bill

Canada's energy demand growth rate is one of the highest in the World. At the current rate of consumption, our use of energy will double every 18 years, with consumption of electrical energy doubling every ten years. There are only two ways to meet the need: energy conservation and development of new energy sources.

In order to conserve energy, the Conservation and Renewable Energy Branch offers Canadian homeowners an opportunity to find out exactly where home insulation is required and how much money can be saved. The program is called ENER\$AVE, and the Utilities Department of Inco Metals Company in Copper Cliff is co-operating with the government to make this service more easily accessible to homeowners in the Sudbury area.

As a primary service, ENER\$AVE offers Sudbury and District householders a free, computerized analysis of their home insulation requirements. Householders fill out

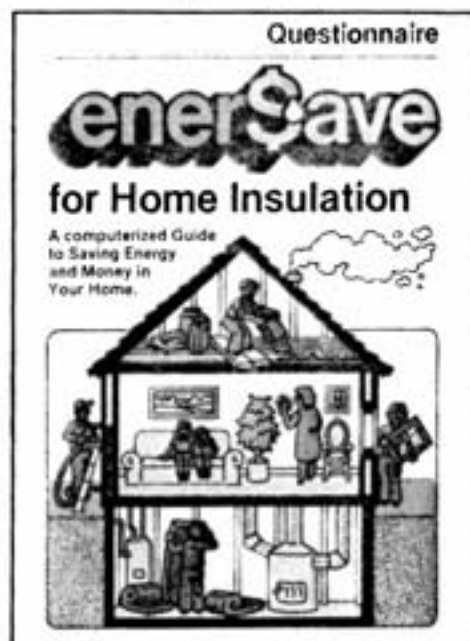
the Ener\$ave questionnaire, send it to ENER\$AVE in Ottawa, and in return receive a set of recommended home insulation procedures.

Since the decision to insulate hinges on economic considerations, a full cost-benefit is provided with each recommendation. The service is applicable to all detached and row houses up to a maximum of three stories.

As a complement to the computer analysis service, ENER\$AVE also operates the Heatline, a telephone advisory service on all aspects of home insulation which can be reached toll-free from anywhere in the country.

ENER\$AVE'S toll-free Heatline is open Monday to Friday from 0830 to 1730 hours. The Heatline's bilingual personnel provide technical advice on home insulation, details on Federal and Provincial Grant and Loan programs and general household energy conservation information.

The Heatline can be reached by calling TOLL-FREE 1-800-267-9563.



There are also excellent booklets available from the Federal Government. Homeowners and anyone else interested in energy conservation can obtain them from the Utilities Department, Inco Metals Company, Copper Cliff.



Checking a computer printout on projected energy savings in front of the Energy Audit Bus at the Copper Cliff Refinery are, from left, Rick Fortin, electrician first class, Gordon Machum, vice-president, smelting and refining, Ontario Division, Inco Metals Company, Pat Carter, electrician apprentice, and Ray Maskalyk, Copper Cliff Copper Refinery plant engineer. The bus, operated by the Department of Energy, Mines and Resources, recently toured Inco mines and plants. It is equipped with a microcomputer, including a video display, demonstration equipment and sophisticated energy measuring equipment. The unit can analyse energy consumption and cost trends and highlights priorities for potential savings.

Cut out this request and give it to your supervisor, who will forward it to the Utilities Department, Inco Metals Company, Copper Cliff.

Please send me the following information
in English ☐ French: ☐

- ☐ Ener\$ave questionnaire
- ☐ 100 ways to save energy and money in the home
- ☐ Keeping the heat in
- ☐ The car mileage book
- ☐ The 1979 fuel consumption guide
- ☐ The billpayer's guide to furnace servicing
- ☐ The garbage book
- ☐ Answers to your energy questions

Name: _____

Address: _____

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



Beni Wahju, manager, public affairs, and technical assistant to the president, P.T. International Nickel Indonesia, bottom right, recently spent time touring Inco facilities in the Sudbury area. Of special interest was his visit to the tailings area, following by an informative exchange of ideas with members of the agricultural and environmental departments. Reviewing a brochure on Inco operations in Indonesia are horticulturist **Ellen Heale**; **Charlie Ferguson**, top left, director of environmental control, Inco Metals, and **Jack Noonan**, manager of environmental control, Ontario Division, Inco Metals Company.



Herb Pons, right, programmer analyst, computer services, Copper Cliff, was the guest speaker at a recent meeting of the Northern Ontario Chapter of the Data Processing Management Association. Following the evening's activities, Herb, along with **Paul Crossan**, centre, MP for the Scarborough riding, took time out for some light banter with **Don Harron**, known throughout Canada as Charlie Farquharson, who had been invited to attend the gala affair as a special dinner guest.



Fred Kowalenko, centre, had the surprise of his life when he was presented with this 20-pound rabbit following his last shift underground at Creighton No. 5 shaft. Affectionately called "Freddie the Rabbit" by his fellow workmen, he recently retired as a motorman after 27 years of service, all spent at Creighton mine. According to his fellow workmen who chipped in to buy the rabbit, Fred had always displayed fondness for rabbits. Says Fred, pictured here with mine foreman **Gerry Lloyd**, left, and his partner, switchman **Darcy Romain**, "it's one of the most novel parting gifts I've seen to date."



Graham Squirell, second from left, of the Stobie mine engineering department, took top honors with a score of 74 in the Froid-Stobie complex golf tournament, recently staged at the Lively Golf and Country Club. As in past years, the event was most successful, with a fine assortment of sunshine, good food and good cheer on hand throughout the day. Presenting the first prize to Graham is **Walter Chornenky**, left, past president of the Lively Golf Club. Mine foreman **John Lennie**, of Froid mine, third from left, tied with **Larry Chasse**, a rigger at Stobie mine, with a score of 83.

Put Your Ideas To Work For You!

The company's suggestion plan program continues to produce numerous economical and practical ideas for improvements in operations, maintenance, safety, and working conditions. Needless to say the suggestion plan is also a good source for some extra "found" dollars for the award winners.

Submit your ideas today. Who knows, you may qualify for the maximum \$10,000 award!

NEWSMAKERS . . . NEWSMAKERS . . . NEWSMAKERS . .



Members of the Nickel Riders Motorcycle Club turned out in force recently for their annual "Poker Run" where decks of cards are placed at hidden checkpoints along a 150-mile route. Participants pick one card at each location, with the driver holding the best poker hand at the end of the run declared the winner. Pictured prior to the run are, from left, **Yvon St. Jean**, of Levack mine, **Bob Watson**, **Ken Gauley** and his son, **Phillip**, **Bill Wallace**, **Marg Watson** and her son, **Robbie**, and **Jim Robinson**, of the division comptroller's office, Copper Cliff.



The Copper Cliff general office fastball team recently captured the Nickel Refinery's fastball championship trophy for 1979. Five teams were entered in this year's competition: Industrial Engineering, Iron Ore Recovery Plant, two Nickel Refinery teams, N.R.C. and I.P.C., and the General Office team. Members of the winning team are, front row, from left, **Ben Higgins**, **Don Keegan** and **Gerry Surtees**. Second row, **Ray Newman**, **Tom Hywarren** and **Bob Lusk**. Back row, **Al Bertuzzi**, **Harvey Larson** and **Murray Edward**. Absent when the photograph was taken were team members **Ken Bedard** and **Bill Baker**.



Employees of the Copper Cliff copper refinery's silver building turned out in force to bid a fond farewell to "Mr. Tellurium", **Nick Chopee**, who recently retired after 37 years of service. On hand for the occasion were Copper Cliff copper refinery manager **Dr. Michael Sopko** and **Bill Brown**, administrative assistant to the manager. It is interesting to note that the well-liked retiree spent all of his Inco service at the copper refinery, with the past 33 years working in the Selenium and Tellurium plant. The photograph shows Dr. Sopko presenting Nick with a plaque attesting to the fact that he chalked up an accident-free record throughout his career with Inco. As well, fellow employees presented Nick with a beautiful watch.

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



The Lively Golf and Country Club was this year's setting for the annual Foot-and-Hangingwall Society's golf tournament. Blessed with wonderful weather, the day's event saw an excellent turnout and better than average scores. Above, checking the final scores are, from left, **Barry Crouse** and **John Mulloch**, of field exploration, and **Art Wiebe**, of the exploration department's assay lab. Below, posing for the Triangle photographer are, from left, winners **Wayne Rodney**, of field exploration (80), **Joe Church**, of field exploration (80), and **Jim Savage**, of Heath and Sherwood (84). At far right is **Frank Gibson**, a member of Inco's field exploration group. He acted as tournament chairman for the day's event.



Call For Assistance

The employee benefits department is here to answer your inquiries regarding the many company-sponsored benefit programs. From time to time, employees experience situations which are difficult to explain. Assistance will be provided by calling 662-4438.



Stewart Roland, a first-class machinist in charge of scale maintenance at the Port Colborne nickel refinery, talks to **Val Palocz**, a test unit operator with the Department of Consumer and Corporate Affairs, as he prepares to check the 100,000-pound truck scale. All scales used in business are tested on an annual basis by the government agency and this particular one proved to be right on.

Logo Writer



This month's logo writer is **Aurel Paquette**, a shaft inspector leader at Stobie mine. With over 36 years of service to his credit, Aurel is in excellent health and enjoys Northern Ontario's great outdoors, with Manitoulin Island classed as his favorite fishing spot. The proud father of seven children, Aurel's future plans call for some extensive travelling.



Proudly displaying their individual safety award, a beautiful copper plate bearing an **R.D. Wilson** drawing of the Copper Cliff complex, are these members of the Copper Cliff matte processing department, winners of the All-Plants Safety Award for 1978. Front row, from left, **Yvon Gareau**, **Tony Silvestri**, **John Sikora**, **Jim Harper**, **Moe Gauthier** and **Syd Kosiw**. Back row, from left, **Leo Brunet**, **Rolly St. Germain**, **Rolly Demers**, **Tony Delsole**, **Cec Bailey**, **Sam Raymond**, **Joe Collison Jr.**, **Marcel Lapointe**, **Pete Lachowskyj**, **Gerry Paquette**, **Ken Mokrzycki**, **Jack Bennett** and **Stan Zahorouski**.

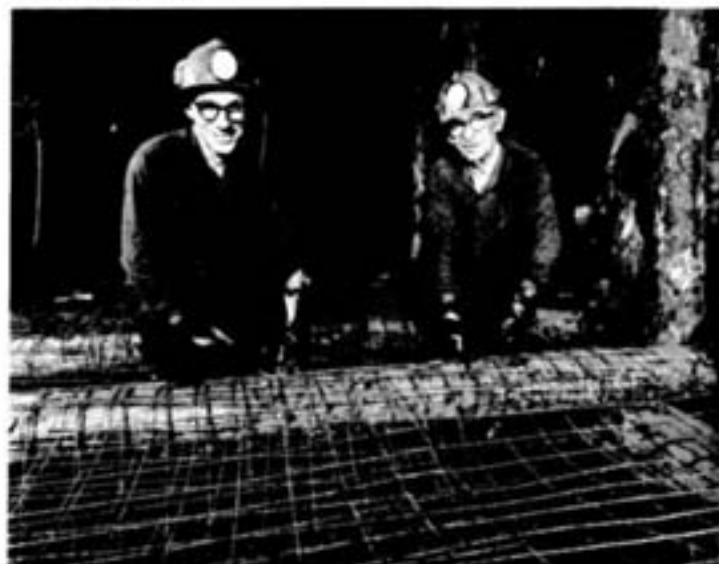


The MTS system of teaching employees more about their duties and how to relate to the entire operation is still going strong at the Port Colborne nickel refinery. Here **Robert Leveille**, an instructor in the electrolytic nickel refining department, teaches **Bryan Sewell**, **Steve Horovicz**, **Don Torok** and **Harold Minor** about fuel and air flow in the cobalt calciner.

NEWSMAKERS . . . NEWSMAKERS . . . NEWSMAKERS . .



The Triangle this month pays tribute to driller **Mike Majoch**, of Creighton mine, who, at age 64, successfully plys his trade in 48 pillar on 3600 level. He is pictured above, left, with his partner, stope leader **Guy Lamothe**, cutting a round log prior to placing it on the laminated stringer in this undercut-and-fill pillar. Mike came to Canada in 1950 from his native Poland, worked for a short time on a farm in the Alliston area and, after spending a short stint with the CPR, hired on at Inco where he has chalked up an enviable safety record over the past many years. Pictured below, Guy and Mike are in the process of installing screen on the completed log mat.



WALT DISNEY'S MAGIC KINGDOM CLUB®

To join, send a written request for your free membership card to: MKC Director, "The Triangle", Inco Metals, Copper Cliff, Ontario P0M 1N0.

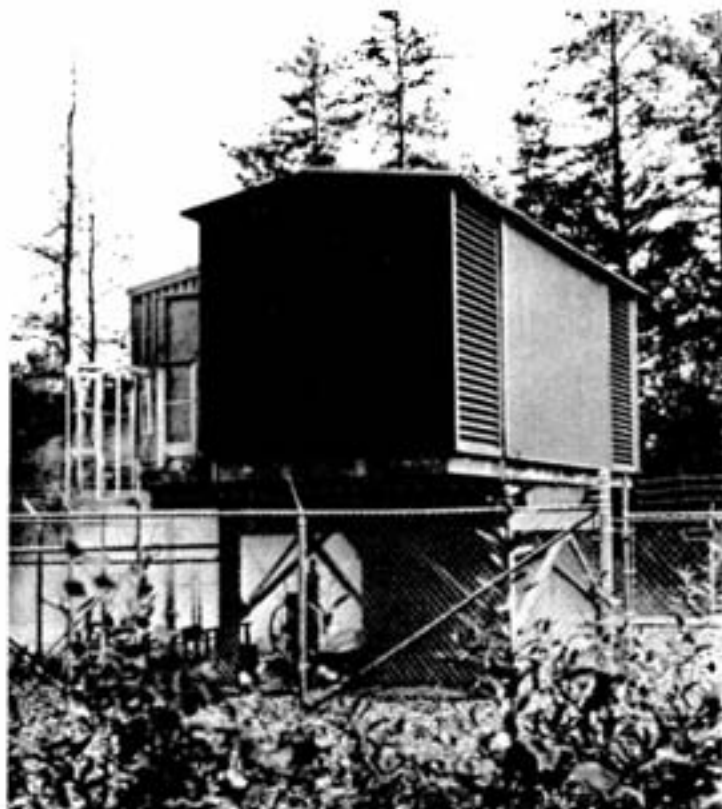


This large Chinook helicopter recently landed back of Inco's smelter complex in Copper Cliff, carrying members of the Permanent Board on Defense (NORAD). Members are representatives from senior levels of External Affairs and the State Department, in addition to senior military officers from both Canada and the United States. During their visit to Inco Metals Company's installations, the group was taken on an extensive tour of both the Copper Cliff Smelter and the Copper Refinery. Hosting the event were **Ron Brown**, assistant to the president, Ontario Division, and **Major Bruce Boggis**, commanding officer, Canadian Forces Station, Falconbridge.



Members of the Canadian subsidiary of Sumitomo (Japan) were recent visitors to underground workings at Stobie mine where they viewed mining operations as guests of **Johannes P. Schade**, senior vice-president, Inco Metals Company. Checking a section of the mine prior to their trip underground are, from left, **F. Hirota**, **T. Yajima**, **Y. Fukuda**, **Hans Schade**, and **K. Date**. According to Mr. Schade, the visitors were rather impressed with the fully mechanized mining operation.

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



This 100,000 cfm **fresh-air raise** intake was recently commissioned at Levack West mine to supplement existing ventilation to the 1080 level. Prior to being sent underground, the air is heated by propane gas and forced down an 8-foot diameter circular raise.



Students of the full time Ambulance and Emergency Care program at Cambrian College recently toured Inco operations, with particular emphasis placed on the first aid and safety aspects. Pictured above is the group with their instructor **Terry Walton**, Clarabelle Mill first aid attendant **Leo Frappier**, and chief first aid co-ordinator **Hank Derks**, examining some of the equipment used in the first aid room. As part of the program, Hank visited their classroom later in the day to explain Inco's first aid program. The students have now been tasked to write an essay on the tour as part of their training.

**Are You Putting
Me On?**



"I don't wear safety glasses because . . .
Whatever your excuse, you are only kidding
yourself. After all, it's your eyesight that's at
stake.
Your excuse won't provide much comfort if
you lose your eyes in an accident."

And That's No Put On!

APPOINTMENTS . . . APPOINTMENTS . . . APPOINTMENTS .

Gayle Akerman,
timekeeper, Division
Comptroller's office,
Copper Cliff.

Gail Assmann,
supervisor, office
services, Copper Cliff.

Jane Binnersley,
timekeeper, Division
Comptroller's office,
Copper Cliff.

William Brown, industrial
relations assistant,
employee relations,
Levack mine.

Irvin Burns, senior
utilities engineer, matte
processing, Copper Cliff.

Stan Cole, industrial
evaluator, industrial
engineering, Copper Cliff.

Evelyn Cook,
receptionist, engineering,
Copper Cliff.

Lino Corradini,
superintendent of utilities,
Iron Ore Recovery Plant.

Paul Donato, chemist,
process technology,
Copper Cliff.

Jim Kidd, industrial
evaluator, industrial
engineering, Copper Cliff.

Guy Mallette,
superintendent of utilities,
Copper Cliff smelter.

Ilmari Manninen, general
foreman safety, Creighton
No. 5 mine.

William McBride, mines
equipment co-ordinator,
mines engineering,
Copper Cliff.

Ken Middleton, first aid
attendant, safety and
plant protection, Copper
Cliff.

Robert O'Brien,
industrial relations

assistant, employee
relations, Copper Cliff.

Peter Pula, assistant to
the manager, central
utilities, Copper Cliff.

George Reed, mine
engineer, Stobie mine.

Clyde Rohn, mine
general foreman,
Shebandowan mine.

Bob Ryan, supervising
systems analyst,
computer services,
Copper Cliff.

Terry Sasseville, process
assistant, Iron Ore
Recovery Plant.

Wayne Smith,
administrative
assistant, Copper
Cliff smelter.

Robert Stover, chemist,
process technology,
Copper Cliff.

Maurice Taylor,
superintendent of utilities,
Frood-Stobie complex.

Doug Valentine, mine
engineer, Creighton mine.

Gale Villeneuve, clerk-
stenographer, employee
relations, Copper Cliff.

Brian White, equipment
rentals analyst,
transportation and traffic,
Copper Cliff.

Port Colborne Nickel Refinery:

Larry Foster,
maintenance planner,
maintenance-engineering
department.

Daniel Young, senior
project metallurgist.

NEWSMAKERS . . . NEWSMAKERS . . . NEWSMAKERS . .



Hiking enthusiasts were on hand for the official opening of the newly commissioned **Onaping Falls Nature Trail**, developed as a result of a Young Canada Works Program project, sponsored by the Civil, Mining and Geology department of Cambrian College. According to **Tom Semadeni**, dean of the Polytechnical and Health Sciences Division of Cambrian College, a year-round educational and recreational facility is now available for tourists and residents of the area. On hand for the official opening, above, were, from left, **Mayor Jim Coadie**, Town of Onaping Falls; **Mrs. Dolores Gratton**, an area property owner; **Tom Semadeni** and **Harley Strain**, of Cambrian College. Below, a view of the newly erected bridge, which spans the Onaping Falls. Inco Metals Company's Levack mine supplied the cribbing, bolts and associated lumber for its construction. In addition to the scenic beauty of the falls, the area has significant geological features and a unique variety of plant life. The hiking and nature trails cover some 12 kilometres.



Members of the Sudbury Lions Club, along with their wives, met recently to celebrate the 55th anniversary of the club's founding. Guest speaker for the gala affair was **Dalton J. Caswell**, well-known Sudbury hotelier and a charter member of the Sundridge Lions Club. Following his informative address, executive members of the Sudbury club presented him with a plaque, commemorating his contribution to Lionism throughout the past. Posing for the Triangle photographer are, from left, **Bill Cook**, legal officer for the Ontario Division, Inco Metals Company, and immediate past president of the Sudbury Lions Club, **Dr. Vern Welsh**, MC for the evening and local club secretary, **Dalton J. Caswell**, and **Gerry Albert**, president of the Sudbury Lions Club.

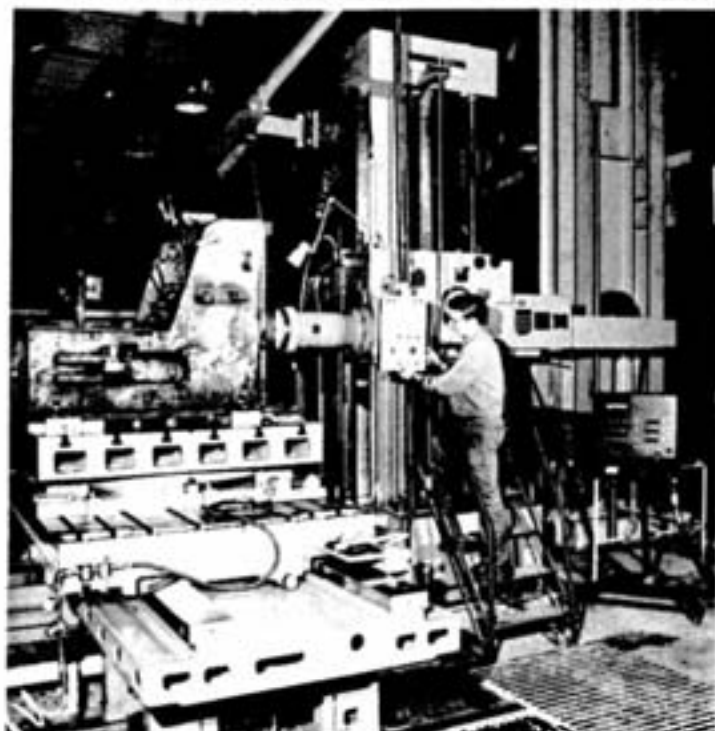


James Wasitis, recently retired welder with the Copper Cliff roasters department, proudly displays this electric watch he lost while planting his garden along Lynwood Drive early this spring. While harvesting his potato crop recently - lo and behold - up came his watch, still ticking, but some six hours behind time. It had been buried under some 10 inches of soil for the better part of five months!



Following in the footsteps of many other Incoites is **Wayne Tonelli**, plant protection officer in Copper Cliff. Doing his bit for energy conservation, Wayne recently motored back of Hanmer where he spent the day cutting logs for his Franklin fireplace. Says Wayne, pictured here sharpening his chain saw: "Not only does this exercise cut down on expensive fuel consumption, a day in the bush does wonders for the constitution and your general outlook on life."

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



Brian Thornton, a second-class machinist, is at the controls of this \$250,000 boring mill, recently commissioned at the new Divisional Shops in Copper Cliff. The unit is utilized primarily for heavy line boring work, associated with large scooptrams operating at Inco mines underground. According to shops coordinator **Bruce Warren**, the unit represents the latest advances in technology and boasts a digital readout to 1000th of an inch on three axis.



That's **Gerald Leduc**, of the packaging and shipping department at the Copper Cliff nickel refinery, negotiating a shipment of nickel pellets in these 2,000 pound capacity containers. While previous shipments of nickel pellets were made up in 500-pound drums, the latest larger-capacity containers were introduced following a survey of Inco's marketing department. Aside from drum packaging, nickel pellets are also shipped via tanker trucks and railroad tank cars.



When it comes to getting the job done, leave it up to these development crews at Stobie mine. Working in multiple headings between 1420 and 1600 levels, the men recorded a total of 534 feet of advance (14' x 12') in one month's period. Each crew consists of one jumbo driller, operating a Gardner-Denver 3-boom jumbo, two drillers, who are responsible for bolting and screening, and one scooptram operator. According to mine general foreman **Martin Marinow**, the crews have worked together for nearly 5 years and, obviously, are well co-ordinated in their work habits. The men average two blasts per shift, with a break of 11 feet per round. Proudly posing for the Triangle photographer are, front row, from left, **Jack Pellerin**, **Robert Desjardins**, **Harold Oram**, **Jean Paul Lefrancois**, and mine foreman **Bud Van Sant Voort**. Back row, from left, **Terry Short**, **Norm Tessier**, mine foreman **Pat Crossan**, **Marcel Lemieux**, and **Romeo Morin**.



Two representatives of Inco's refinery in Clydach were recent visitors to Copper Cliff where they observed maintenance operations at the fluid bed roaster plant. Highlight of their visit was an aerial tour of the Sudbury area. Boarding the helicopter for their informative flight are, from left, **Wynn Williams**, maintenance engineer, and **Terry Redmond**, manager, fluid bed roaster plant, Clydach; **Charlie Mitchell**, superintendent, operations, matte processing, Copper Cliff, and pilot **Len MacTaggart**.

NEWSMAKERS . . . NEWSMAKERS . . . NEWSMAKERS . .



Ontario's Lieutenant Governor **Pauline McGibbon** recently visited the newly commissioned Canadian Alloys Rolling Mill, located in the Walden Industrial Park where **Brian McQueen**, manager of the modern plant, took the distinguished visitor on an extensive tour of the facilities. Prior to her visit to the new rolling mill, the Lieutenant Governor motored to Lively where hundreds of local residents turned out to greet her and she met with members of the Walden council and the Royal Canadian Legion, Lively Branch. Above, she is greeted by **Mayor Tom Davies** in beautiful Lively Park. Accompanying her on the trip, at left, was her husband, **Donald McGibbon**, and her aide-de-camp, **John Fullerton**, superintendent, Ontario Provincial Police.



Dr. Ernest Mastromatteo

Dr. Ernest Mastromatteo, occupational health director, Inco Limited, and **Hugh Douglas**, recently retired, senior loss control coordinator, Imperial Oil Limited, were the recipients of Canada's Occupational Safety and Health Achievement Award. Announcement of the joint awards was made at the Canada Safety Council's annual conference in Quebec City. Certified as a specialist in occupational medicine by the American Board of preventive medicine, Dr. Mastromatteo has served on a large number of groups and committees. He has prepared dozens of publications relating to occupational health and safety, and before joining Inco Limited, his former experience included work with the International Labour Organization in Geneva, Switzerland, and the Department of Environmental Health, School of Hygiene, University of Toronto. The new award for achievement in occupational safety and health will become an annual presentation if judges feel nominees show sufficient merit. Judges appointed by the Canada Safety Council represented labor, industry and government.



After being on loan from the process research stations in Port Colborne for P.T. Inco Indonesia for more than four years, **John Rickard** has returned home. On leaving the process plant in Soroako, his fellow workers presented him with a beautifully hand-sculptured aluminum hard hat. It was custom-made by a silver smith shop in Jogjakarta and depicts religious figures, the P.T. Inco crest and a map of Indonesia, showing Sulawesi and pin-pointing Soroako, where the company plant is located.



Proudly displaying their Manager's Safety Award of \$400 each are Copper Cliff smelter employees **August Simson**, left, a casting building operator, and **Randy Dussiaume**, a crane operator in the casting building. **Arne Walli**, a copper puncher, also received a \$400 award but was not present when the photograph was taken. The award is presented annually to the department within the smelter that has shown the best improvement in its safety performance over the previous year. Although the \$1,200 award had been presented as one in past years, this is the first time that it was divided into three awards of \$400 each, with one draw held on each shift of the converter department group, this year's winner. Posing with August and Randy is **Bob Neal**, manager of the Copper Cliff smelter.



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\$10,000

by submitting your ideas on safety and operating improvements through the Ontario Division Suggestion Plan. Don't delay! Your idea may qualify for the maximum award!

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As an employee or personnel of Inco Metals, you are entitled, free of charge, to become a member of the "Magic Kingdom Club". The Membership plan will enable you and your family to enjoy the many Disney wonders at reduced prices. There are also reduced hotel rates and other exclusive year-round benefits for club members only. Interested? To join, send a written request for your free membership card to:

MKC Director, "The Triangle"
Inco Metals Company, Copper Cliff, Ontario P0M 1N0

Inco 1980 Reserved Scholarship Program for Children of Employees

Up to twenty-one scholarships will be awarded this year for university study. The awards have a possible tenure of up to four academic years and annually provide tuition and associated academic fees up to a maximum of \$1,500 and a grant of \$750 for other expenses.

ELIGIBILITY

Children of Inco employees enrolled in a program of studies required for university admission and who will graduate with a secondary school diploma in 1980.

SELECTION

An impartial scholarship committee will meet in May 1980 to select award winners on the basis of scholastic records, SAT/TSWE scores and personal qualifications. The names of the winners will be announced about June 1, 1980.

APPLICATION

Application forms should be requested early in the school year. Forms, instructions and conditions governing the awards may be obtained from local schools or from:

Scholarship Program
Inco Limited
P.O. Box 44, 1 First Canadian Place
Toronto, Ontario M5X 1C4

APPLICATION DEADLINE: MARCH 1, 1980

TEST DATES

Registration for December 1, 1979 SAT/TSWE must be completed by *October 26, 1979*.

