

# The Triangle

SEPTEMBER 1976



# The Triangle

Editor,  
Rudolph Kneer, Copper Cliff



## ON THE COVER . . .

Bert Lapointe, a charter member of the Sudbury Experimental Aircraft Association, with his recently-completed flying machine. "Fly Baby", a five-year project, was finished just in time for the recent Youth in Aviation Show. An electrician with the construction group at Murray mine, Bert's aircraft climbs 1,000 feet per minute and cruises at 100 miles per hour.



Looking for a job at the top? It's easy to get there, according to these four employees of Custodis Chimney Limited, of Montreal, who recently carried out minor repairs on this 637-foot chimney at the Iron Ore Recovery Plant. Built in 1955, the stack measures 60 feet in diameter at its base and 30 feet at the top. And just in case you're wondering, it'll take you some 45 minutes to climb the rungs to the structure's uppermost section. Needless to say you'll have to be in perfect shape!

## Appointments

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**Pat Bolger**, senior environmental control analyst, Copper Cliff.

**George Brake**, superintendent of operations, Copper Cliff smelter.

**Michael Carr**, environmental control analyst, Copper Cliff.

**Stephen Cleary**, design engineer, Copper Cliff.

**George Czigarenko**, buyer, purchasing-warehousing, Copper Cliff.

**Bill Gaboury**, painter foreman, Port Colborne nickel refinery.

**Al Jordan**, pipefitter foreman, Port Colborne nickel refinery.

**Denis Lepage**, industrial evaluator, Copper Cliff.

**Kevin Longard**, university graduate, industrial engineering, Copper Cliff.

**Pirkko McCauley**, monthly payroll clerk, Copper Cliff.

**Don Millett**, university graduate, industrial engineering, Copper Cliff.

**Clyde Rohn**, safety foreman, Shebandowan mine.

**Ellwood Wilson**, transportation foreman, Copper Cliff.

# "Fly Baby"

ready for take-off



*Bert Lapointe, aircraft builder and electrician with Inco's construction group.*



*Joan and Bert Lapointe at their Naughton home, with recently-finished "Fly Baby".*

It's a five-year dream come true for aircraft builder, Bert Lapointe, an electrician with the construction group at Murray mine, and his wife, Joan, executive secretary to the assistant to the president, Ontario Division.

"Fly Baby", a sleek, canary-yellow flying machine, received the finishing touches just in time for the highly-successful three-day Youth in Aviation Air Show, which was held at the Sudbury Airport during the latter part of August.

The Lapointes' lakeside Naughton home provided an ideal setting for such a project and, while the bulk of the work was done by Bert, Joan pitched right in whenever necessary, and was particularly helpful during the final days of construction.

A charter member of the local Experimental Aircraft Association, Bert's been with Inco for 15 years. His "Fly Baby" is constructed of wood and fabric, and features a 65-horsepower continental engine; the aircraft is capable of taking off in 200 feet, climbs at the rate of 1,000 feet per minute, and cruises comfortably at 100 miles per hour.

# Copper Cliff Museum



*The cairn that marks the location of the first house built in Copper Cliff.*

Attracting over 200 visitors weekly, the three-year-old Copper Cliff Museum continues to provide visitors and local residents with an interesting and comprehensive cross-section of the area's history.

Now located on the site of the first house built in Copper Cliff back in 1885, during the era of the Canadian Copper Company, one of Inco's predecessor companies, the building housing the museum is, in itself an integral part of local history.

The log cabin was constructed around 1891, at the top of Clarabelle Road, and was inhabited 'til 1969. Then, in 1972, a group of six Copper Cliff High School students, intrigued with the idea of a local museum, approached the town and the company with their idea and their wish to use the vacant log cabin to house

museum artifacts. With all systems "go", the youngsters completely refurbished the cabin and gathered local articles that would be appropriate for inclusion in the museum's display.

One of the original founding group can be found daily at the museum, welcoming visitors and explaining the background of the museum's contents. Brenda Longfellow, a Copper Cliff girl and fourth-year student at Carleton University in Ottawa — majoring in history, naturally! — has spent all but one of her past four summers as a guide at the museum. She asked if "The Triangle" might possibly remind its readers that the museum still welcomes donations — so, folks, if you've anything tucked away in the attic or basement that's from 'way back when, why not consider adding it to the collection now on display at the Copper Cliff Museum?

Three-year-old museum attracts over 200 visitors weekly to view history of Copper Cliff area.



*Brenda Longfellow, one of the founders of the museum, still acts as guide during summer vacation.*



Six Over Par 78:

## Al Massey Winner Of This Year's Inco Golf Tourney

In mid August, 264 avid and ardent golf addicts teed off at the Idylwyde Golf and Country Club, pitting their canny wiles and skills against the challenges of rock, lake, tree and fen.

It was the Inco annual golf tournament.

Some were jubilant, others mouthed imprecations as the turf flew and scores mounted, and when the last putt was holed, Al Massey was the low gross winner with a six over par 78. Henry Lewandoski was runner-up with 79.

Jeanette Ayotte, the tournament's only woman participant, was declared the most honest golfer for recording 160 blows. Appropriately, she was awarded a couple of free golf lessons from the club pro.

There was a good morning and afternoon draw with shotgun starts; the weather was fine, food was good, and the tournament committee of Vern Johnston, Bert Meredith, Walter Chornenky, Mike Mitchell and John Spec kept the action under control.

The four low gross winners were Al Massey, Henry Lewandoski, Tom Marcolini and Roy Maud who went on to play in the President's Cup tournament in Port Colborne on August 28.



Ron Taylor, president of Inco's Ontario Division, goes over the starting positions with tournament chairman John Spec. Good weather reflected in the scores for the tourney.



Checking their scorecard, from left, are Ego Bertuzzi, Albert Rebellato, Walter Chornenky and Vic Bachmeier.



Doug Bonden, left, swaps stories with Frank Sorochinsky before starting around the course.

# sshhh! Artist at work!



Arnold Sinkis claims that every time he paints, he feels like a brand new man. "Bringing natural things together in a painting makes me feel good", he explains. And judging by the number of paintings he has created, Arnold spends most of his time feeling good. Numbering well over 10,000, the paintings hang in homes throughout the area and in foreign countries, either purchased at one of the displays Arnold holds in Toronto or bought at the basement studio of his Walford Road home. The paintings have sold for as much as \$500 at the Toronto exhibitions.

Aside from the great interest he applies to his painting, Arnold is also an accomplished author of two books, with a third on the way. Based on Albert's

memoirs concerning the Latvian involvement in World War II, the books deal with the country's attempts to retain its western areas in the post-war shake-up. The third book concerns itself with the advance of the Russians after the war.

But it seems that painting and writing don't keep Arnold busy enough for his liking. When he's off shift from Creighton number nine shaft and doesn't feel like taking up the brush or the pen, he may go to work in his spacious garden, or take time out to sample the home-made wine!

After the war, Arnold came into contact with the wealthy and famous of Europe, and claims to have discussed art with Pablo Picasso and Winston Churchill. He further claims that Picasso would whip off a painting in an afternoon for the wealthy tourists to purchase at an outrageous price. "One day I asked him if what he was doing was really art", said Arnold. "Picasso replied that as long as they were paying money, it was!"

While Arnold's landscapes have no trouble finding buyers, some of the deals he makes are a little unconventional. An entire set of Encyclopedia Britannica sits in his basement studio, the result of an even trade with a salesman who had seen and wanted some of his works.

The paintings will keep on coming for a long time, according to Arnold, whose talent and vigor seem endless. Perhaps he'll write another book. And maybe some day, the encyclopedia that will sit in the home of his grandchildren will include his name and a few of his paintings!



# In the "swim" of things



Assistant coach, Margaret Campbell, demonstrates strokes to Jimmy Shields, Michelle Geregthy and Alison Taylor during one of the Northern Ontario Aquatic Club's early morning sessions. The young swimmers go through their paces daily in order to improve their swimming form. Many of the club members' parents are employed with Inco in the Sudbury district.

While most of the world is looking back on the 1976 Olympics, young hopefuls are already setting their sights on the future, and Moscow, in 1980. Not far from Inco's Copper Cliff operations, young swimmers are striving to improve their racing times, with hopes of making the Canadian Olympic Swimming Team.

The dream is not an impossibility; in fact, some members of the Northern Ontario Aquatic Club, based at the R. G. Dow Pool in Copper Cliff, came close to making Canada's team this year.

"Racing isn't the only thing we do", says club treasurer, Fay Poff. "We also teach the children how to work towards a goal. They don't have to race against others if they choose not to, but they must try to improve themselves by racing faster and faster to beat their own time".

Participation in club activities is a must, according to Fay, who accompanies her two daughters to the pool each morning before heading for the Iron Ore Recovery Plant, where she works as a secretary.

Parents play an active role in the club, organizing activities and officiating at swim meets in the area. The Canadian Amateur Swimming Association has strict rules regarding competitions, and in order to meet specifications, there must be at least 30 parents on hand to act as timers, judges and referees at meets.

When not in competition, the Northern Ontario Aquatic Club is busy raising funds to pay for pool rental costs; the club relies on fund-raising campaigns and donations to help keep its head above water.

The club's coach, John Wojakowski, has the swimmers in the water bright and early every morning, which serves as a refreshing way to start the day, and also gets the paces out of the way so the swimmers can concentrate on school or other activities.

Competition classification is divided into three groups: gold, silver and bronze. The more capable swimmers

fit into the gold category, with the promising hopefuls in the silver, and the struggling learners in the bronze. These categories enable a very good ten-year-old to compete with an 18-year-old on the basis of ability, rather than age.

With four years in the offing until the next Olympics, chances are very good that the Northern Ontario Aquatic Club will have produced a number of youthful competitors capable of ranking among the Canadian contingent in the swimming events.



Fay Poff, secretary at the Iron Ore Recovery Plant, towels off daughter, Rachel, after her morning swim at the R. G. Dow Pool. Fay is one of many parents who take an active part in the Northern Ontario Aquatic Club.



Swimming coach, John Wojakowski, demonstrates the key points of a proper racing dive to Sharon Flindall, daughter of Herman, a shift foreman in matte processing. Coach Wojakowski has been instructing in Sudbury for ten years.

Sudbury SPCA:

## Dog Catcher No Merciless Kidnapper

Protectors of animals, SPCA employees are performing vital service for Sudbury and area's animal world.



Bob Tosato, an instrumentman with Inco's meter department, and son, Greg, bring "Arthur the Basset" to the Regional Animal Shelter for registration. Some 80 percent of the area's animals have been tagged to date.

"Run into a guy's car and he'll talk sensibly about getting it repaired," says Bill Woodliffe, general manager of Sudbury's Society for the Prevention of Cruelty to Animals. "But just hit his dog and see what kind of problem you have on your hands. People tend to get very emotional about their pets."

Mr. Woodliffe says that since tempers become so easily ignited when someone's dog is involved, it is no wonder that the dog catcher is misunderstood to be a merciless kidnapper instead of a protector.

The SPCA staff, which is comprised of eleven full-time and six part-time workers, see themselves as protectors of the animals and enforce the laws to the fullest. "The more stringently we enforce the laws, the less injured animal cases come in," Mr. Woodliffe says. "Even though it seems out of character for the dog catcher, we're performing a service for the animal world."

In order to familiarize others with the protective role of the staff, representatives are involved in a program geared to show the importance of keeping

animals in a firm and yet comfortable restraint. In the month of May, SPCA representative Albert Croke spoke to 1,675 primary school students on the care of young pets.

While much of the work undertaken takes place in the urban centres, the six vehicles used by the SPCA patrol 100 miles of Highway 17, an area from Espanola to St. Charles and Capreol.

The investigation of cruelty to animals also comes under the jurisdiction of the SPCA. Some two to three calls are reported daily, and there are about a dozen cases reported from local farming areas each month. "I've never had to lay any charges in these cases," Mr. Woodliffe says. "The abuse is usually the result of ignorance and not wilful neglect."

But while the Humane Society grapples with the immense job of educating the public, they must also fight the open cruelty which occurs. Staff members point out open traps found in the cities and baited to snap and maim wandering cats and dogs.

"This is the sort of thing we have to fight," Mr. Woodliffe says. "Some traps sold today are built to starve the animals to death, or, before they starve, their screaming attracts predatory owls or wolves. The furs are useless after an attack of that type. It's a wasted life and a waste of the trapper's time."

The Animal Hospital - SPCA complex, located on the Kingsway in Sudbury, is known as the best housed shelter in the province of Ontario and further investments are planned which will include the purchase of 'Noah's Farm', a project to house larger animals whose size keeps them out of the Kingsway facility.

Money to build the animal farm has come from donations made by school children whose interest was awakened through Humane Society visits to the local schools. Special savings banks are distributed at the schools to give the youngsters the added reminder that every penny donated will be used toward supplying proper housing facilities for the lost, homeless and needy animals in this area.





Animal control officer, Rick Koury, left, and operations manager, Roger Leblanc, go over the day's schedule.



Local school children take a major interest in the role of the Humane Society and express their concern for animals by participating in the SPCA's poster contest. Roger Leblanc, left, and Albert Croke look over some of the entries.

Albert Croke takes time out from his busy schedule to say hello to one of the many animals available for adoption.

A welcome visitor at area schools, Albert Croke describes one of his many adventures with animals to a captive audience. An informative talk is available to any school wishing to learn more about the Humane Society.





*Albert Ouellet, left, an employee at Copper Cliff North mine, helps his son, Ron, adjust his plane for a smooth, even flight. Albert is a familiar face to Triangle readers, having appeared many times in the Suggestions section for his helpful recommendations.*

Bert Potvin, president of the Sudbury Model Aircraft Club, hasn't yet won the distinction of being a world champion, but he is certainly highly acclaimed by his colleagues for both his flying ability and his skill in constructing remote-controlled planes.

A process chemist at Inco's electro-winning lab, Bert recently won second prize for scale flying at the Upper Great Lakes Radio Control Club in Sault Ste. Marie. His entry, a twin-engine scale model Cessna 310G, is the first twin-engine type constructed in Sudbury, and is equipped with retractable landing gear.

"The plane weighs nine pounds and can fly close to 80 miles per hour", says Bert. "You can fly it as high as you want, but it's a good idea to keep it in sight; if the plane's upside-down instead of right-side-up, you can fly it into the ground when it should be climbing." Bert has been constructing planes for over 35 years, and figures his creations number somewhere in the hundreds.

The hobby is attracting a lot of area residents. Club membership has climbed to 40 fliers, all of whom build their own planes. One such flier is Albert Ouellet, from Copper Cliff North mine, who claims that Bert is a successful flier because of his co-ordination. "If you can play the organ, chances are you can fly one of these models", says Albert. "The ability organ players have to do three things at once is essential to being a good flier. I think Bert can probably do about 15 things at one time!"

Albert didn't always have as much faith in Bert's ability at the controls, and once bet a case of beer that one of Bert's models, a Taylorcraft, wouldn't take off

# Radio Planes



*Bert Potvin, process chemist at the electrowinning lab, checks the controls of one of the many planes he flies with the Sudbury Model Airplane Club.*

in snow. The nine-foot plane swept skyward without a hitch, and Albert was out a case of suds!

Other Inco employees flying at the club include Bob O'Daiskey, a chemist at the Iron Ore Recovery Plant, Cedric Longman, with instrumentation, and Don Lacoste, of Inco security.

Radio controls aren't confined to planes, though. Club members have installed remote controls in miniature boats and let them go on the French River. "There was this one fellow, sitting on the bank fishing, when he saw the

boat go by with no one in it", recalls Albert. "It really shook him up when the boat came back and started circling in front of him!"

Enthusiasts don't draw the line at boats, either. Club members have even constructed a remote-controlled duck decoy! So be wary! If your next duck hunt brings home a dinner that tastes like metal and smells slightly of gasoline, chances are, there's a frustrated hunter diddling with controls in a duck blind somewhere, watching the sky and muttering under his breath!



*This large happy family belongs to John and Joyce Robson. John is superintendent of the oxygen plant in Copper Cliff. The children are, back, from left, Ken, 23, Susan, 21, Judy, 18, Sandra, 21, Dave, 15, and Dan, 24. Tim, 10, sits in front between his parents.*

## Family Album



*From the Port Colborne nickel refinery we have Gaetan Marquis and his wife, Madone, with children Ryan, one, and Marc, five. Gaetan is a plant personnel officer in the shearing department and umpires fastball in his spare time.*

*From the construction department in Copper Cliff we bring you the Julien Savage family. Julien and his wife, Linda, reside in Val Caron with son Gilles, four, on his dad's lap, and daughter, Lynne, two. Julien is an antique collector and an avid sportsman.*



*Gary Filoon is a drill foreman in the exploration diamond drill department. He and his wife Sadie have two fine children. That's son Derick, one, and daughter Lee-Ann, four. One of Gary's favorite hobbies is going on fishing trips to Quebec.*



# Family Day At Shebandowan



*The balloon-blowing contest turned out to be one of the major attractions for both young and old.*



*Winners of the race for girls, three and four years old. From left, Rosemary Kavanaugh, Dawn Croteau, and Jenny Jean "J.J." Hogan.*

... And a great time was had by all, despite inclement weather!

The Shebandowan employees' family day was held recently, attracting more than 250 to the varied activities, which were centred at the YW-YMCA Camp Carson-Cross on Lake Shebandowan.

The day's events included canoe jousting, arm wrestling, shotput, children's races, balloon-blowing contests, boat rides, pony rides — by far the most popular event with the kiddies — and, of course, swimming.

Getting into the who-won-what's, the shotput event for men was won by miner, John Croteau, with his 41-foot throw; for ladies, by Karl Smith, with a 20½-foot throw. The balloon-blowing contest was won by Horst Bogensberger, son of mine foreman, Tony Bogensberger. The boys' race for seven and eight-year-olds was won by Warren Schaffer, son of Lou Schaffer, superintendent of administration; Jamie Young took second place, and Archie Hogan, son of industrial tradesman, Archie Hogan, came in third.

The girls' race for three and four-year-olds was taken by Rosemary Kavanaugh, daughter of miner, Roy Kavanaugh, who organized the various competitions; second place went to Dawn Croteau, daughter of miner, John Croteau and Eveline Croteau of the Shebandowan yard crew; third place was





*There was lots of action during the shotput event. John Croteau was the winner with his 41-foot throw.*



*Eveline Croteau, of the Shebandowan yard crew, with daughter, Dawn.*

taken by Jenny Jean "J.J." Hogan, daughter of industrial tradesman, Archie.

In addition, more than 100 people were transported by bus from the lakesite to the Shebandowan mine/mill complex for underground tours. A working stope was visited during a drilling and scooptramping demonstration; the crusher station on the 2160 level was toured, and ore samples and literature were made available.

In all, a highly successful family day, with thoughts already turning to next year's program.



*Winners of the boys' race for seven and eight-year-olds. From left, Warren Schaffer, Jamie Young, and Archie Hogan.*



*More than 100 people toured the Shebandowan facilities, viewing mining operations on the 2160 level.*



A bus load of customers coming off shift.



George Begley checks the oil on his bus before going on duty.



Bill Kelly gives his bus the once-over with soap and water.

## Many Happy Customers:

# Inco Employ Own Shift E

One item most employees at the Copper Cliff smelter have in common is their use of the internal shift bus service. Until this past May, the service was operated by an outside contractor; now it's being run by our own employees from the cleaning services department, each of whom has a permanent partial disability.

The bus drivers pick up and deliver employees from the three changehouses within the smelter complex during shift change, which amounts to about two-and-a-half hours per shift. Each driver also has his cleaning duties to attend to after he has completed his smelter run.

The bus drivers review their runs daily, trying to pinpoint any problem areas before they arise. Employees trying to flag down buses along the road between dries is one of the problems that must be overcome. The drivers are not allowed to pick up passengers unless they're at the designated bus stops at the three dries. This is for safety reasons as well as for an efficient overall operation.



Buses lined up at the beginning of their rounds.

## ees Operate us Service

After a daily meeting, each driver performs safety checks on his particular bus. For example, tire pressures and oil levels must be checked. And once a week the buses are washed inside and out.

At the beginning of each shift change, the buses assemble in front of number three dry and then spread out to their various destinations. The trick is to keep all four buses at different areas and have them all move at the same time. It's much like musical chairs — one driver will keep a sharp eye out for the next bus. As soon as he spots it, it's time to move on to the next stop. In this way, a continuous service is provided.

A total of 18 men, working three shifts around the clock, are responsible for driving the buses, and they all try their best to give the finest service available.

Judging from the response, the cleaning services' shuttle service is highly successful — they've had virtually no complaints since they took it over!



Al Leach briefs his men before shift change. Clockwise, from left, George Begley, Claude Quennville, Ted Pierini, Bill Kelly, Bob Gainer, Andre Belleheumer and Ellard Brandt.



Ellard Brandt applies the bus drivers' method to ensure proper tire inflation.



School stope instructor, Henry Perry, teaches drilling and undercut-and-fill mining procedures used at Levack mine. Diagrams and models are used to clarify the operations for new employees.



Brian Woods, Ken Wickham and Bernard Richard look on as training supervisor, Mike McNulty, right, explains the need to check instrument panels before operating machinery. The Levack area school stope utilizes many audio/visual aids in order to clarify any questions the miners may have concerning their role underground. Experienced miners are also given refresher courses.

# School Stope

Simulation of actual working conditions is nothing new to industry, but safety instructors at the Levack area school stope have gone one step further. Feeling that new men should be completely familiar with the methods, equipment, and safety techniques used in Inco's modernized mines, training



Through the use of blocks, instructor John Chivers explains the drift timbering techniques used in modern mines. According to John, the use of these blocks has done much to simplify instructions.



Levack area school stope instructor, John Chivers, left, explains the use and application of drills to Brian Woods and Barry McKay, while training supervisor, Al Murphy, looks on. Careful instruction provides new mine employees with safety skills, as well as familiarization with the tools of the trade. The Levack area school stope is located at Levack mine's 1300 level.





*Instructor, Fred Burke, left, demonstrates cut-and-fill mining methods to Ken Wickham and Robert Tuomi through use of models and special displays constructed for easy and accurate description of mining methods. The men are also made familiar with the pipeline systems of the mine, and learn to determine the contents of a pipe through its size and flange type. Note the realistic display.*

supervisor, Mike McNulty and school stope instructor, John Chivers, devised a special program to fully acquaint new underground employees with the various aspects of underground mining.

Working at home, the two men constructed a number of realistic scale models to indicate the fundamentals of a mining operation and what each individual's role is in the overall scheme of things, from beginning to end.

Instruction with the models takes place in a converted hoistroom at the 1300 level of Levack mine, thus providing a realistic environment for the new men while they attend the school stope, which is instructed by Fred Burke, Henry Perry, John Chivers and training supervisor, Mike McNulty. The instructors, with over 100 years of mining experience between them, carefully plan the program to include any and every aspect of the job the men will come into contact with.

Particular attention is given to the safety equipment each man receives upon his arrival at the mine. The merits of safety glasses, hearing protection, hard hats and boots are discussed in depth, with briefings given in other safety equipment used in varying work situations.

Proper lifting methods are pointed out, as well as the use of the mine's various pipelines and their identification

by dimension and flange type.

Audio/visual equipment has proven to be of great benefit in stressing the need for safety. Projectors and slides effectively indicate those things the men should watch for, avoid, or report for correction.

Seeing the school stope in action

indicates the strong emphasis placed by the company on proper safety procedures. Constant awareness, coupled with the training gained at the school stope, provides all underground personnel with the knowledge necessary for maintaining a smooth, safe operation underground.



*Learning the principal rules of open face mucking, miners Bernard Richard, Barry McKay, and Robert Tuomi watch as training supervisor, Mike McNulty, right, explains the use of a Scoop tram. Besides mining techniques, they learn the proper use of safety equipment, as well as methods of accident prevention. Expert instructors answer any questions the men may have about their jobs.*



The "Algoway", docked and ready for loading, at Little Current on beautiful Manitoulin Island.

Another view of the "Algoway" from topside. Note the large-capacity conveyor loading the holds.



Average Shipload Is 14,000 Tons

## Inco's Iron Ore Shipped To Des In Canada And

In this day and age of limited energy resources, Inco's Iron Ore Recovery Plant stands out like an oasis in a desert. Not only does the plant recover a previously-discarded product, but, as an added bonus, it also generates most of its own electrical power requirements.

Nickel-bearing iron sulphide, the main product of the company's mines, is processed in the reverberatory furnaces at the Copper Cliff smelter. Up 'til 20 years ago, when the I.O.R.P. came on stream, the waste product from smelting operations — a complex iron silicate — was discarded. But by eliminating the sulphur content and recovering most of the other metals contained in the iron sulphide, the I.O.R.P. now produces some 1,900 tons of iron pellets daily, for use in the steel industry. The heat released in the process generates steam, which is used to meet part of the plant's energy requirements.

The majority of the iron ore pellets are transported by rail to docks at Little Current, on Manitoulin Island. There they're stockpiled until the shipping season, which usually runs from April to December. It is estimated that 250,000 tons of pellets are stored at Little Current, in huge piles about the height of a four-storey apartment building.

When the pellets leave the Iron Ore

# Pellets tinations United States

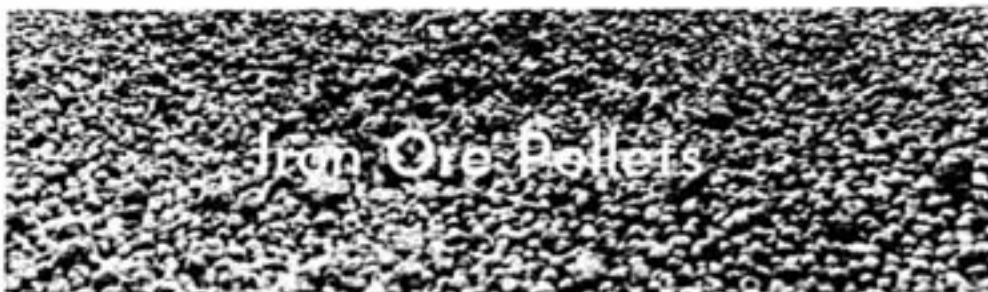


*Iron ore pellets at the Little Current dock are transported by conveyor system, left and right, to the main conveyor in centre. This in turn carries them into the ship's hold.*

Recovery Plant by rail car, they are weighed and undergo standard quality control tests. Upon their arrival at Little Current, the cars are winched across a "grizzly", which is like a railway bridge, except the rails are set on a metal grid which allows the pellets to pour out the bottom.

Huge front-end loaders shove the pellets into stockpiles and, when a ship arrives, the pellets are loaded into its holds by a conveyor belt system. Two small belts transport the pellets from two main piles onto one large conveyor belt, which, in turn, conveys the pellets up an incline and into the ship. A hinged boom at the end of the belt directs the stream of pellets into the proper holds, which have to be filled in a specific order, predetermined by the ship's captain. In addition, an automatic balance system, utilizing different coloured lights, helps the conveyor operator to keep the ship on an even keel. An average load for a ship is approximately 14,000 tons.

Inco's iron ore pellets are shipped to destinations in Canada and the United States, and are known in the industry as a premium quality iron ore pellet, containing 67 per cent iron... a real credit to the men responsible for producing our iron ore pellets.



*Ron MacDonald, I.O.R.P. process chemist, takes samples for quality control.*



*Iron ore pellets pour into the holds of the "Algoway".*





*A proud Leigh Scott at the controls of his "homemade" G.L.S. Mark I airplane.*

## Those daring young men...

Leigh Scott, an engineer in the mechanical department at the Port Colborne nickel refinery, has been intrigued by airplanes since boyhood, when he built his first plastic model. Since then, his interest has grown steadily, as has the magnitude of the projects he has undertaken.

In July of 1973, after graduating from the University of Waterloo and working in Hamilton for three years, he purchased a set of plans and, in a shop in Smithville, began to build a full-size airplane, to be called "The Headwind".

When Leigh moved to Port Colborne in 1974, the nearly-finished airplane had to be dismantled and transported to the

Welland/Port Colborne airport, where it flew for the first time in October, 1975.

Airborne for only 20 minutes, it was quickly evident that the 65-horsepower Lycoming engine was not powerful enough and, over the winter months, a 100-horsepower Continental motor was installed. Other changes made were so diverse from original design that, when ownership papers were drawn up, the plane was listed as a G.L.S. Mark I — for Leigh's initials.

More than 5,000 hours of work and about \$5,000 worth of material have gone into the airplane. Leigh's done all of the work himself, including the welding, woodwork and machining. Painting was

one of the biggest jobs, with six coats going on the fabric covering of the plane and lots of muscle power used to wet-sand each layer. Leigh admits, "I've made a lot of mistakes that had to be re-worked, but, being a bachelor, I have lots of time. It's been a tremendous education for me."

To date, the G.L.S. Mark I has logged only two hours of flight time; but, after another three hours with a test pilot, Leigh will be able to fly it himself.

It pretty well goes without saying, that Leigh's pride and satisfaction at having completed a project of such magnitude are more than justified!





*Leigh gives his airplane the once-over before taking it up. Materials cost some \$5,000.*

who build their own!





CANADA

PRIME MINISTER · PREMIER MINISTRE

It gives me great pleasure to extend my sincere congratulations to the management and staff of THE TRIANGLE as you celebrate your fortieth anniversary of publication.

You provide an invaluable service to the employees of Inco Limited by keeping them informed of the progress of this important company and by providing them with a medium to maintain contact among themselves.

Aux lecteurs de cette excellente publication, j'envoie mes salutations cordiales. Puissiez-vous continuer à servir aussi bien les intérêts économiques de notre pays.



Pierre Elliott Trudeau

Ottawa,  
1 9 7 6.

# INCO

August 9, 1976



L. Edward Grubb  
Chairman and Chief Officer

Dear Rudolph:

The fortieth anniversary of The Triangle is an occasion of great pride, not only for the Ontario Division, but for the entire Inco organization. You and the editors who preceded you, especially Don Dunbar, who so ably edited The Triangle from its first edition on September 1, 1936 until his retirement in 1971, are to be congratulated for the high standard of journalism that has been this publication's hallmark over the years.

I am sure I express the sentiment of your many thousands of readers in wishing The Triangle continued success in the years ahead.

Sincerely,

A handwritten signature in dark ink, appearing to read "Edward Grubb". The signature is fluid and cursive, with a large, stylized "G" at the end.

Mr. Rudolph Kneer  
Editor  
The Triangle  
Ontario Division  
Inco Limited  
Copper Cliff, Ontario

LEG/jg

Within The



Published for all employees of The International Nickel Company of Canada, Limited.  
EDITORIAL OFFICE COPPER CLIFF, ONT.  
Don M. Dunbar, Editor

VOL. 1, No. 1 SEPTEMBER, 1936

## How Do You Do!

WE won't go into the pedigree part of it at all. Perhaps this new newspaper, Triangle, is by Crosscut out of Main Drift; or by Rod Mill out of Converter; or by Anode out of Tank House. We're not just sure. And anyway, it's not the pedigree that interests us, it's the form sheet.

Periodically the Triangle will try to pin to its pages glimpses of the fascinating panorama INCO paints across the industrial life of Canada and the world. It will print articles describing in layman language phases of operation and recent developments so that employees may be brought into closer touch with their company's far-flung activities. It will probe the reminiscences of veteran workers, whose record of faithful service is a matter of deep pride. It will tell what the Copper Cliff cousins, and the Port Colborne nephews, and all other branches of the big INCO family do with themselves in their leisure hours.

In short, we hope it will be a family journal in the truest sense of the word, chronicling what goes on from month to month "Within the INCO Triangle." And we hope you'll like it.

Within The



## Our Nameplate

TO the artistic talent of Mr. Fred Cowling, of the Copper Cliff engineering department, we make grateful acknowledgement for the nameplate adorning the front page and, in miniature, this column of Triangle.

His skilful pen has cleverly signified the three angles making up the big triangle of INCO production. In the left-hand corner there is the miner at work underground with his drill; at the top are the mill and smelter buildings; in the right-hand corner is a casting wheel at the refinery.

As he was putting the finishing touches to the drawing, an engineering wag looked over his shoulder, and after a quick glance, immediately took issue with Mr. Cowling. The smoke from the big chimney, he said, was blowing in the wrong direction! They argued, as engineers will, and probably haven't settled the point yet.

Ontario Division President:

## "Congratulations On Triangle's 40th Anniversary"



Any publication that looks back 40 years to its inaugural issue can be justly proud. The original mentor and editor, Don Dunbar, designed the magazine not only to distribute information on programs, processes and mining methods, but also to give credit for special achievements to employees and their families.

Other editors, namely Peter Marshall, Derek Wing and the incumbent, Rudolph Kneer, assisted by people such as Bert Meredith, have perpetuated the wonderful style established by Don and maintained its family appeal.

May I say to Rudolph Kneer and his staff, that the thousands of written congratulations we've received during this year from the readers, provided ample evidence that your efforts in producing 'The Triangle' are very much appreciated.

Congratulations on your 40th Anniversary Edition!

A. R. Taylor



Were it not for Don Dunbar, left, who knows, the "Triangle" you're holding may have never materialized. Fortunately, a Don Dunbar there was, and we are pleased to report that Don, pictured here with veteran scribe Bert Meredith, is in the best of spirits and enjoying his well-deserved retirement with his lovely wife, Gwen. The charming couple reside in Copper Cliff and are spending the summer months at their cozy camp on Lake Penage.





If further proof of the high returns paid by Inco's intensive safety program were needed, this group of Little Stobie mine employees provides it. Sporting pretty broad grins, these men worked the month of July without any dressings. "The Triangle" takes great pride in adding its congratulations for the men's exemplary safety work.

# Expertise to Indonesia

P. T. Inco Indonesia will be in production next year. For the start-up, the Ontario Division is offering its assistance in the form of employee expertise.

Approximately 20 of our personnel, from both the staff and hourly section, have been, are being, or will be temporarily transferred to Indonesia, to offer their knowledge and experience in the areas which relate to the Indonesian plant process and equipment requirements; for example, converter, kiln, crane and powerhouse operation, granulation, maintenance, and lubrication. Their roles vary from straight consultation service to actual hands-on involvement in the physical plant start-up.

"The Triangle" recently spoke with a few Indonesian-bound fellows the day before their departure . . .

Tex Davis, a first-class mechanic in the leaching and recovery department of the Iron Ore Plant, has been with the company since 1957 — St. Patrick's Day, to be exact, which, according to Tex (otherwise known as Patrick), "couldn't be better for an Irishman!" Of his imminent trip, he explained that "it'll give me a chance to see the old stomping grounds again. I was in the British Army around that area, so it won't be unfamiliar to me".

An interesting side-note here, is that Captain Alex Gray, commanding officer of the 765 Copper Cliff Highlanders, and Inco's agricultural technician, had a special request to make of Tex — to carry to the commanding officer of the Seventh Duke of Edinburgh's Own Gurkha Rifles, stationed in Hong Kong, Alex's invitation to attend next year's Diamond Jubilee, celebrating The Highlanders' 60th anniversary. The tie-in lies in the fact that the Highlanders wear the Douglas Tartan, and apparently there are only two other outfits wearing the same tartan, one of which is the above-mentioned Gurkhas regiment.

Travelling to Indonesia with Tex was Vic Turunen, maintenance foreman,

leaching and recovery, I.O.R.P. Vic originally joined the company in 1937, but left for about six years for a stint in the army and merchant marines. He rejoined the company in 1949 at the Copper Cliff machine shop. Vic, too, is no stranger to Indonesia — he'd been in the area previously, as a merchant marine.

Third member was Glen Johnston, first-class machinist at the Copper Cliff North mine. Glen's been with Inco since 1954, and this'll be his first taste of Indonesia. He's "looking forward to the challenge and the opportunity to help, by doing some installation work".

While the three took off the second week in August, John Killah, maintenance foreman, Frood-Stobie complex, and Bill Hudgins, senior industrial evaluator, left a week later.

The Triangle is sure a successful plant start-up will be effected, thanks to all of our people who are helping with the pre-operational testing of the P. T. International Nickel Indonesia facilities.



Johnny Killah, left, and John Spec, co-ordinator, staff opportunities, go over final details before Johnny leaves for Indonesia.



An informal get-together the day before they leave for Indonesia — from left, Tex Davis, Vic Turunen, and Glen Johnston. They'll assist in pre-operational testing of equipment and various plant facilities.

Excellent Weather, Hospitality:

## Fourth Annual CIM Golf Tournament Has Record Crowd

Excellent weather, outstanding food and refreshments, along with top-notch conditions at the Onaping Golf and Country Club all combined to make the 4th annual golf tournament of the Sudbury Branch of the Canadian Institute of Mining and Metallurgy an outstanding success.

The tourney saw 175 golfers play in morning and afternoon draws for numerous valuable prizes. Larry Wagner, of Falconbridge Nickel Mines, Onaping Area, was the low gross winner for the day with an enviable score of 73.



*This year's tournament saw a record entry of 175 golfers, here getting ready for tee-off. According to secretary-treasurer, Monty White, this was the largest crowd ever to turn out for the annual event.*

*Controlling golfers' thirsts on the fairways, hostesses Kim Clemenson and Kathy Serin are pictured with Milt Jowsey, left, Vic Reid, Ted Flanagan and ever present Jim Carrey.*



*No doubt about it; when it comes to preparing steaks, along with freshly baked bread and other delicious morsels, leave it up to the Judges brothers, ably assisted by No. 3 cook, Steve Judges. Here Hugh and Harvey carefully scrutinize the coloring of one of the nearly 300 steaks served to an appreciative crowd.*



*The first golfer to register, the first on the course, and the first to tee off, Tom Parris set a record by missing this "drive" altogether. Looking on are Connie Houle, Dick Myher and Mike Dixon.*

*Bartenders Clare Cyr and Bill Beauchamp took time out to lend a helping hand on "kitchen duty". The two veterans provided their usual excellent service to thirsty participants throughout the day.*







**Armand Savard \$1,050**

## Over \$4,000 Awarded to Employees

Keeping their eyes open and their minds working over the summer, many Inco employees came up with recommendations for this month's suggestion plan. For their participation, a total of \$4,135 was distributed among the winners.

The top award went to **Armand Savard**, of the Clarabelle mill. His suggestion for a new design for a tool to remove Denver cell agitator impeller keys was worth \$1,050.

**Glen Johnston** formerly of Stobie mine and recently of Clarabelle open pit, picked up \$500 for his suggestion to install a mechanical speed control device on double-drum cage hoists.

**Uno Riutta**, of the Copper Cliff mill, pocketed \$495 for his suggestion to replace the sleeves on Dresser couplings.

A recommendation to change the design of headers that distribute cement underground was good enough to win \$255 for **Leonard Deschamps** of the Frood-Stobie mill.

In Shebandowan, **Archie Hogan** picked up \$155 with a suggestion to install filters to filter agitator water.

At the Crean Hill mine, **Mark Koski** picked up \$75 for suggesting that ore jammed in rock chutes be loaded and shipped at a later date. **Robert John Miller**, of the Copper Cliff copper refinery, also





**Glen Johnston \$500**



**Leonard Deschamps \$255**



**Archie Hogan \$155**

picked up \$75 for his suggestion to return two complete sets of low speed and intermediate gearing for the Copper Leach autoclave agitators to the manufacturer. **Jean Quevillon**, of the Copper Cliff smelter, picked up \$75 for a suggestion to install wood planking to prevent wear on casting crane cable.

Copper Cliff Transportation department's **Renaud Renaud** won \$65 for suggesting the relocation of the air brake valve exhaust under the floor of the cab on Locomotive K14.

Two employees at Creighton mine won in the \$60 category. **Bert Behenna** was a winner for suggesting a change in material used for the rest bar and matching pads on skip dump doors from aluminum to standard stock. Bert picked up an additional \$30 for recommending raising the skip guide wheel mounting brackets for easier maintenance. The second \$60 prize winner from Creighton mine was **Melville Ferris** who also became a double winner for a suggestion to cut access holes in the side of M & R locos and an additional win of \$50 for suggesting the use of brake chambers from ST2A scoops on M&R locos.

Other winners in the \$50 category were **Lionel Lefrancols**, **Nino Narduzzi**, and **Douglas Peterson**, of matte processing;

**Walter Smorhay**, of Creighton mine, and **Murray Veno**, of the Copper Cliff smelter.

In the \$40 category all winners were from the Copper Cliff Copper refinery. They were **Anthony Fragomeni**, **Avinash Mujoondar** and **Frederick Klesh**.

From Stobie mine, **Paul Philippe** and **Lyle Sherson** picked up awards at the \$37.50 mark.

**Frank Clnel** of central shops won \$35. **Henry Eden**, of the Levack mill won \$25, as did the team of **Francis Keath Godin** and **Denis Santerre**, of Little Stobie mine. Another team from the Copper Cliff copper refinery, **Patrick Frantfield** and **George McNamara**, won \$25. Other winners in this category included **Raymond Guerlin**, of the Copper Cliff copper refinery; **Frank Kirwan** of the Copper Cliff copper refinery; **Robert Kujala** and **Dan O'Reilly**, of central shops; **Kazimierz Kulczycki**, of the Copper Cliff copper refinery; **Richard Lonnen**, of transportation; **Jorma Nordman**, of the Copper Cliff copper refinery; **Lawrence J. O'Connor**, of the Copper Cliff copper refinery; **Abram Olfert**, of Crean Hill mine; **Doug Oliver** and **John Duggan**, of Froid Stobie mine; **Don Plotto**, of the Froid Stobie mill, **William Ryan** of central shops; and **Albert Simard**, of the Levack mill.

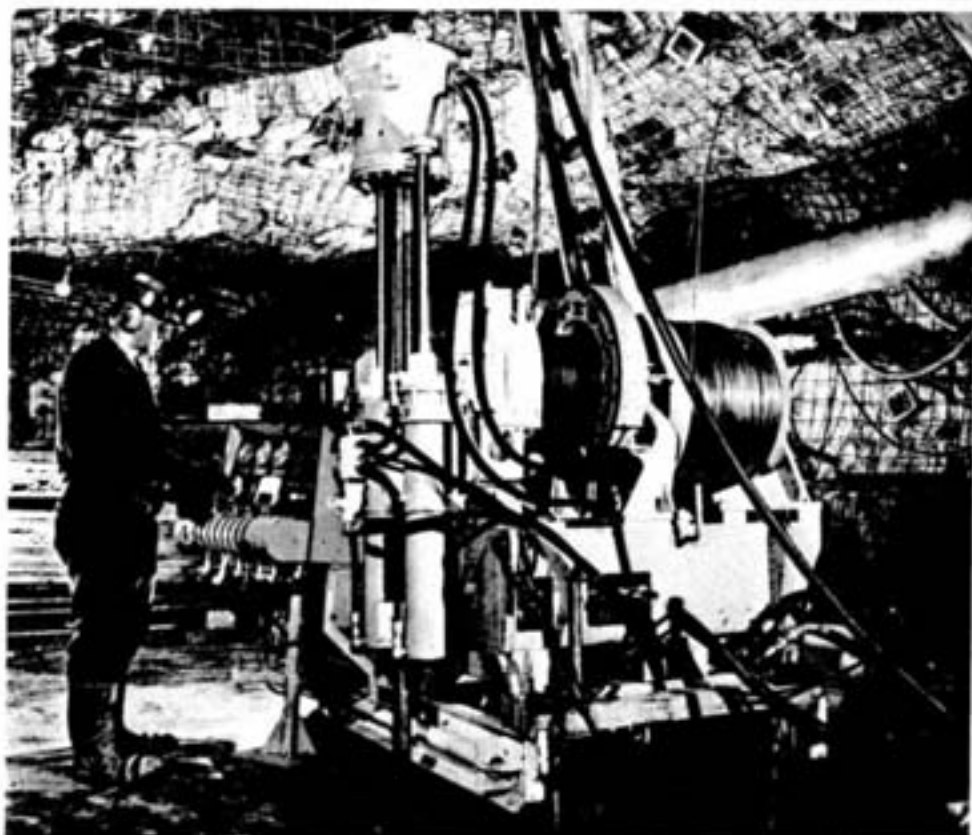
In the \$20 category the winners were:

**Lloyd Denault**, of transportation; **Melvin Moss** of Creighton mine; **Allen Neely**, of the Copper Cliff copper refinery; **Allen Oliver**, of the Copper Cliff copper refinery; and **Theodorus Ouwens**, of Stobie mine.

Winners in the \$15 category included **Gordon Austin**, **Charles Briggs** and **Lionel Cormier**, of Creighton mine; **Richard Currie**, of Stobie mine; **Monty Duff**, of the Iron Ore Recovery Plant; **Yvon Gareau** and **Sid Koslw**, of matte processing; **David Liefso**, of the Copper Cliff copper refinery; **Richard Lonnen**, of matte processing; **Norman O'Connor**, of the Copper Cliff smelter; **Harold Phillips**, of transportation; **Robert Schwentner**, of Crean Hill mine; **Geoff Short**, of the Copper Cliff copper refinery; and **Jack Tupling**, of matte processing.

This month's \$10 winners were: **Bernard Beaudry**, of Stobie mine; **Thomas Bellmore**, of Crean Hill mine; **Gordon Golden**, of Creighton mine; **Phillip Green**, of Crean Hill mine; **Elwood Kellett**, of Creighton mine; **George Kennedy**, of utilities; **John Kenny**, of Crean Hill mine; **Moe LeBlanc**, of Crean Hill mine; **Kauko Manninen**, of Crean Hill mine; **Ken McLennan**, of Crean Hill mine; and **Albert Thiel** and **Waldo Stonehouse**, of the Copper Cliff smelter.

# NEWSMAKERS . . . NEWSMAKERS . . . NEWSMAKERS . . .



This is the new electric-hydrostatic diamond drill which recently made its appearance on the 4,000-foot level of the Copper Cliff North mine. According to **Clare Cyr**, Inco's diamond drilling specialist, the unit is the first one of its type and capacity world-wide and will be utilized for exploration diamond drilling from underground workings to extreme depths. The unit is capable of drilling to a depth of 6,000 feet, using 2 1/4-inch rods. Shown at the controls is **Alphonse Turgeon**, an exploration diamond driller with over 25-years of experience to his credit. It is interesting to note that Inco's diamond drilling personnel contributed its expertise in the development of this new drill.



Thousands of interested tourists and local residents so far this year have passed through Inco's Copper Cliff operations under the informative guidance of Inco tour guides. Those taking the tours have visited the Copper Cliff North mine hoist room, the Clarabelle mill, and the Copper Cliff smelter. This year's tour guides are, from left, **Allan Cecchetto, Mike Hurley, Gord Melleur, George Cochrane, Rob Fleming, Steve Maville, Dale Brown** and **Vic Henderson**.



Instrument men **Ray Nurmi** and **Jim Brown**, of the Copper Cliff instrument shop, test and calibrate house meters for Copper Cliff, Lively, Creighton and Levack homes. The Inco meter department is responsible for cleaning and repairing the meters which are tested by government inspectors before their reinstallation. Below, instrumentman **Sid Yates** checks a small electrical test meter.



## Winter Session Planned For Pre-Pension Counselling

The Employee Benefits group have been conducting pre-pension counselling meetings since March of 1975. Many employees between the ages of 55 to 65 have taken advantage of these sessions to become familiar with the changes which occur at retirement. For those employees who were unable to attend for one reason or another when invited, arrangements will be made to include them during the coming winter session by phoning 682-4438 in Copper Cliff. This number will also provide information concerning all of your Company benefits.

## NEWSMAKERS . . . NEWSMAKERS . . . NEWSMAKERS . . .



### "The Triangle" Judged Best Employee Magazine For All Of Canada

The Canadian Public Relations Society's 1976 "Awards of Excellence" competition was particularly kind to the Ontario Division of Inco Limited.

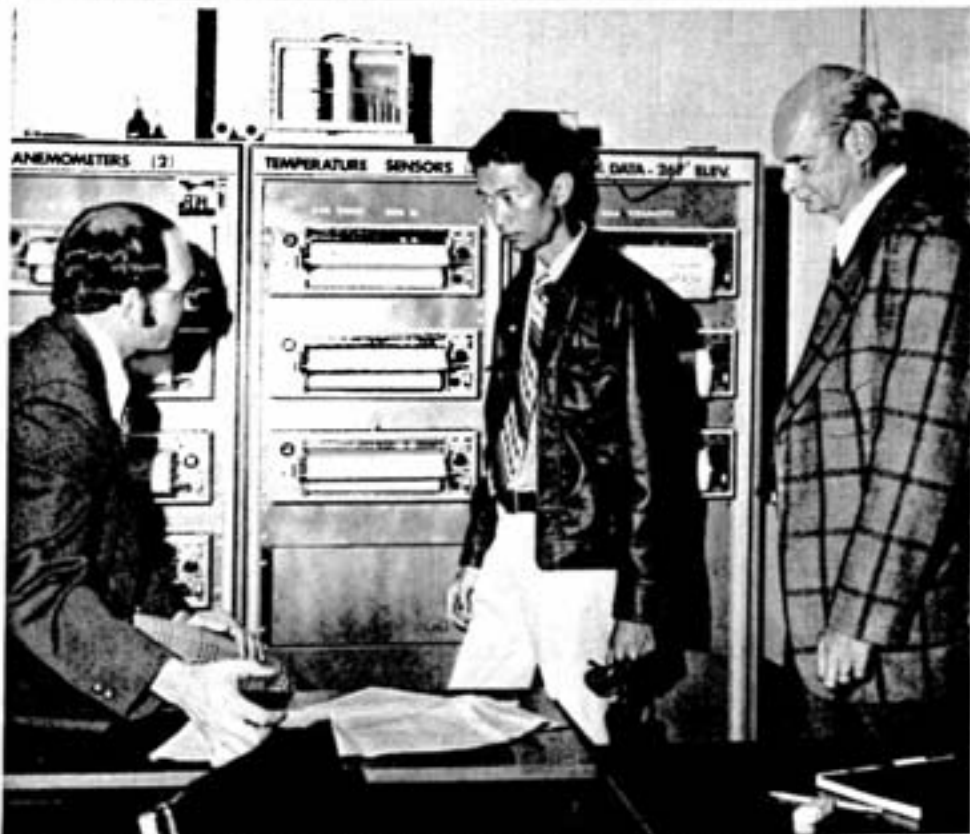
Four awards of excellence were won by the Division's Public Affairs Department. "The Triangle" came out number one among entries from all across Canada in the employee magazine category. Magazine content, layout, writing, picture quality and presentation were judged.

Three other awards of excellence were received. The Inco sponsored radio show "Kaleidoscope", aired on CHNO Radio, won an award for the best Institutional Radio Programming. The "Be Careful for Them" safety campaign, which included the "Be Careful" television commercials, won an award for The Best Public Service Advertising Program. The "Be Careful" campaign was produced by Cockfield Brown Limited, the Division's advertising agency, in consultation with the safety and plant protection department.

The fourth award was for the best television programming among entries in the Institutional Television Programming category. Programs produced by CKNC television in the "Inco Presents" series and "Inco Specials", produced by CKSO television, were judged the best in Canada. The award is a credit to the production and imaginative capabilities of the television stations in Sudbury.

The Canadian Public Relations Society annually presents "Awards of Excellence" for public relations programs which, in the view of the panel of judges, made up of agency, media and industry people, are outstanding.

In 1975, the Division won an "Award of Excellence" for institutional television programming and two honourable mentions, one for "The Triangle", and one for institutional radio programming. In 1974, the Inco Cup Ski Races won an honourable mention in the "Awards of Excellence" competition.



An orientation tour of Inco environmental control facilities was in store for **Ahmad Djani**, centre, prior to his return to Indonesia where he will work in the environmental department of P.T. Inco Indonesia. Supervisors of environmental control, **Bill Elliott**, left, and **Bruce Dreisinger**, right, demonstrated some of the sophisticated equipment used in Inco's voluntary emission reduction program. Ahmad also visited Inco operations in Port Colborne and Thompson, Manitoba.



The Shebandowan mining and milling complex now has its own electrical apprenticeship program. **Alex Skelly**, of Inco's Training and Development Centre, was at Shebandowan recently to conduct aptitude tests. Taking preliminary instructions from Alex are, from left, industrial tradesman **Jim McLeod**, hoistman **Terry Hyatt** and compressor operator **Andre Groulx**.



# NEWSMAKERS . . . NEWSMAKERS . . . NEWSMAKERS . . .



Inco's lineman apprentice program had its first graduate recently when **Wallace Taylor** received his diploma. The program, started in 1974, consists of on-the-job instruction with Inco's utilities department and formal training at the "Hydro School," operated by the association of municipal electrical utilities in Orangeville. Presenting the certificate to Wallace, centre, are **John LeMay**, left, superintendent of power utilities, and **Syd Stone**, right, apprentice program coordinator.



As part of the 10th Annual Port Colborne International Week activities, a frisbee tournament was held at the Port Colborne High School. Three basic skills were tested by judge **Tom Lannan**, of the Port Colborne recreational department. Testing their skill in the accuracy throw are **Peter DeLuca**, left, son of **Lawrence DeLuca**, a forklift operator with the mechanical department, and **Bruno Ottaviano**, son of **John Ottaviano**, an operator in the shearing department. Winners of the tournament were members of the team which won the Canadian frisbee throwing championship at the Canadian National Exhibition in Toronto last summer.



**Pierre Latour**, a third-year plater apprentice at the Levack plate shop, recently constructed a rolling machine to round out flat sheets of metal which are used for numerous purposes at the Levack mining complex. Pierre designed and built the machine, the only one of its kind at the Levack operation. The new unit now allows workers to accomplish in five minutes what would normally take a few hours of vigorous hammering. Pierre, left, demonstrates his rolling machine to first class plater, **Elzlar Roy**.



**Bob Browne**, left, then Port Colborne Nickel Refinery manager, assisted by **Charles Ott**, assistant to the manager, recently raised the new flag of the City of Port Colborne above Inco's main office building. Designed and produced by the city, the flag is bright blue and white in color. The ceremony marking Port Colborne "International Week" was among the last official duties performed by **Bob Browne** in Port Colborne before assuming his new duties in Copper Cliff as assistant to **Charlie Hews**, vice-president, responsible for administrative and engineering services, Ontario Division.



## NEWSMAKERS . . . NEWSMAKERS . . . NEWSMAKERS . . .



**David Corrado** is becoming a good judge of grapes with a little instruction from his father, **Tony**, a construction leader at the Copper Cliff South mine. The 10-year-old vines in Tony's back yard were a gift from a friend years ago. As a matter of interest, Tony now gives new plants to friends interested in growing their own vines. The Corrado home on Haig Street in Sudbury boasts a beautiful garden that overlooks the city.



**Penelope Morton**, a post graduate student at Carleton University, Ottawa, is working on her Ph.D. in geology by spending this summer and next at Shebandowan mine studying the "overall structure and volcanic stratigraphy in the area." Penny says she is surprised at how well the volcanic structures have been preserved. Here she chats with geologist, **Bob Osborne**, of the mines exploration department. Bob is currently on a temporary research and exploration assignment at Shebandowan mine.



The Central Repair Depot at Frood mine handles the bulk of major and minor engine repairs for Inco's Sudbury area mines. The shop overhauls an average of 150 engines per year, with two mechanics involved full time in this procedure. First class mechanic, **Victor Pregelj**, adjusts the heads on an eight-cylinder engine of an ST8 scooptram, one of 45 spare engines kept on hand at the shop. On the average, engines are brought in for an overhaul after 3,000 hours of operation.



Inco's agricultural department has come up with numerous surprises in the past, with greening areas once thought to be beyond hope, but "Mother Nature" is still coming up with the biggest surprises of all. Take this ash tree, growing on Inco's slag dump in Copper Cliff. Agricultural technician, **Fred Burnham** examined the tree and found that it was growing from a small patch located just below the surface of the slag.

# NEWSMAKERS . . . NEWSMAKERS . . . NEWSMAKERS . .



**Allan Wuorinen**, of the Copper Cliff pattern shop, tries his hand at repairing a pattern for the head of a Dorco filter which is used in the concentrators for tailings separation. A pattern is a wooden form, shaped like a piece of equipment to be constructed of which a sand mould is made. From the sand mold, foundry workers have an exact shape they can use when casting the equipment in iron or steel.



Rewinding a 100-ton locomotive armature in the Copper Cliff Electrical shop, first class winder **Fabio Floreani** puts patience and experience to use. The armatures, which are rewound on a preventative maintenance basis, are used to power the 26 electric locomotives as well as the diesel electric locomotives that are used on the Inco slag run and around the plants to haul ore and materials. Rewinding the armature involves replacing the coils.



That's **Ernie Castilloux** at the controls of the screen cutter in the surface salvage shop of Garson mine. Ernie's daily routine includes handling the 200-foot rolls of screen and cutting them into 33-foot lengths for delivery to various levels throughout Garson mine. Before moving to surface, Ernie performed the same work on the 2800 level. The new location has proven to be more efficient in the handling of the screen and in the reduction of valuable hoisting time.



Preparing for upcoming competitions, **Hugh Schnelder**, a junior sampler, and pumpman **Jerry Lavallee** lend an attentive ear while fire protection instructor **Fred Mansfield** demonstrates the proper method of wearing an air-pack to conveyorman **Carmelito Maristela**. The men are members of the Copper Cliff mill's volunteer fire brigade and need to be familiar with this type of equipment for fighting fires and rescue operations.

**KEEP UP-TO-DATE . . . GET THE HOT LINE HABIT . . . IT'S EASY**

In Sudbury call 682-0626 — Port Colborne Employees Dial 835-2454

# NEWSMAKERS . . . NEWSMAKERS . . . NEWSMAKERS . . .



Members of the Froid mine carpenter shop were kept busy recently when they renovated the Stobie mine first-aid room. Carpenters installed panelling, shelving, new floors and ceilings. Here carpenter foreman **Ed Hickey**, left, and plant protection officer **Don LaCoste**, discuss the efficiency of the newly renovated office. Below, first class carpenters **Jim Fitzgerald** and **Mike Brosseau** check their work to see that it measures up to their usual high standard.



**Bill Brandle**, a leader at the Froid rehabilitation centre, is one man who makes his message perfectly clear. Bill is one of seven employees who construct the thousands of signs displayed at Inco plants throughout the Sudbury region. In addition to painting the signs, the Rehabilitation centre workers repair tram lights, fabricate check-in and check-out boards and compile stationery.



Members of Inco's purchasing and warehousing department were congratulated for their fine safety performance for the month of July, with no accident or dressing reported. Employees of one section of the purchasing and warehousing department, the Copper Cliff warehouse, posed for "The Triangle" photographer. Front row, from left, **Mike Turajlich**, **Jean Pierre Lauzon**, **Eddie Eng** and **Clyde Rafuse**. Second row, from left, **John Degan**, **Richard Tessaro**, **Lionel Bechard**, **Brent Pollack**, **Glen Lavaille** and **Butch Zanetti**. Back row, from left, **Tom Bertulli**, **Gerry Mills**, **Bill Beavers**, **Gerry Corby** and **Roger Richer**.



This year's Ladies' Invitational Golf Tournament, held at the Idylwyde Golf and Country Club, took place under sunny skies and saw a field of 124 ladies in competition for the "Bernice Green Trophy." Donated by Inco, the trophy is presented annually to the low gross winner and was captured this year by **Phyllis Crang**. Here **Bernice Green**, left, president of the ladies' section of the Idylwyde, presents the trophy to Phyllis Crang, while tournament chairwoman **Pat Keane**, right, smiles her approval.



# NEWSMAKERS . . . NEWSMAKERS . . . NEWSMAKERS . . .



Putting their point across, this crew had the best safety record for the first six months of 1976 at the Copper Cliff North mine. The crew consists of, front row, from left, **Gary Ryan, Jack Sabourin, Bruce Gauthier, Phil Francis, Connie Lecompte, Steve Kusan and Marcel Fauvelle.** Back row, from left, **Pat Niro, Joe Roy, Bob Drolet, Gord Snow, Don Martin, Marcel Lamarche, Jack Vis, Ron Prevost and Niel Eno.** Congratulations for a job well done!



Keeping safety in mind, garage mechanics **Richard Maskevich**, left, and **Jim Russell** sign a personal protection tag. The mechanics, who work at the Levack West mine, sign the tags and hang them on the starter controls of machinery they are working on to show others that the equipment is still under repair. The personal protection tag is a common sight at all Inco operations.



Machinist apprentice **Mike Dezziel**, of the Copper Cliff machine shop, cuts the teeth in a gear rack of a rack and pinion mechanism. The mechanism is to be used on a centrifugal splined plow shaft used to dry nickel and copper concentrates off the inside edge of a centrifuge drum when the dewatering process has been completed in separation. Mike is operating one of three milling machines in use at the Copper Cliff machine shop.



The jingling of the ice cream bells not only sends kids scurrying for a quarter but also keeps Froid-Stobie mine employees digging into their pockets. Business is so good outside the gate of Froid mine at shift change that the ice cream man is there on a regular basis, weather permitting. Enjoying their treats being handed out by an enterprising young businessman are, from left, **Maurice Bedard**, a stope leader at Froid mine, an unidentified ice cream lover, and **Joe Ribaric**, a conveyorman at Stobie mine.



## NEWSMAKERS . . . NEWSMAKERS . . . NEWSMAKERS . . .



**Harry Tompkins**, a veteran public relations man with wide experience in the metals industry and a former newspaper reporter, was appointed director of public affairs of Inco's Ontario Division, effective August 9, it was announced by **Ronald R. Taylor**, Division president. Mr. Tompkins served in various public relations positions at The Steel Company of Canada, Limited from 1950 to 1972. During his last 10 years with the company he was manager of public relations. Earlier, he had been assistant editor and then editor of company publications and supervisor of community relations and news services. Before joining Stelco, Mr. Tompkins had been a reporter for Thomson Newspapers Limited. In 1972, Harry Tompkins formed his own public relations consulting firm, which he operated for four years. In April of this year, he joined the Bank of Nova Scotia as supervisor of public relations. A former resident of Oakville, Mr. Tompkins resides in Sudbury.



**Rod Thompson**, a conveyorman at the Clarabelle Mill, grips one of the steel balls used to pulverize ore inside the giant, revolving mills. The balls are suspended from an electromagnet which is used to load them into skips which are then dumped into the mill. In the background are iron rods used in the rod mills. Ore is first ground by the rotating rods and then moved to the ball mills for further crushing.



Installing and removing large diameter vent pipes underground is no longer a problem, thanks to a little know-how and a three-inch pipe attached to the bucket of this ST-4 scooptram operating at Little Stobie mine. The new concept makes for easier handling and will be introduced at other Inco mines in the near future.



Mr. and Mrs. **Stan Brunton**, of Sudbury, left, and Mr. and Mrs. **Vere Hodges**, from Florida, centre, were recent visitors at the Copper Cliff North mine. The first time ever to view underground workings, the couples were impressed with the highly mechanized stoping operations. **Grant Bertram**, superintendent of Copper Cliff North mine, is pictured with the group prior to their trip underground.

# NEWSMAKERS . . . NEWSMAKERS . . . NEWSMAKERS . .



Surprise registered on **Harry Saunders'** face as he was informed of being this year's 10,000th visitor to tour Inco facilities in Copper Cliff recently. To commemorate the occasion, Harry, who hails from St. John, New Brunswick, was presented with a 1976 Canadian mint set of nickel coins by **Charlie Hews**, vice-president, responsible for administrative and engineering services, Ontario Division. Looking on is **Tom Plexman**, senior tour guide.



The Sudbury and District Red Cross collected 95 pints of blood during a recent visit to Inco's Creighton mine, and no one even fainted! The Red Cross started collecting blood at Inco operations in the Sudbury area four years ago and has been able to raise its quota considerably over the past few years. Above, **Nancy Moyle**, left, and **Cheryl Fadis** register industrial engineer, **Frank Resetar** prior to his donation. Giving the "gift of life," left, are **Eric Dunn**, and **Robert Danekewich**, summer students at Creighton mine. Registered nurse, **Dianne Acteson** prepares Robert for his donation.



Just a little confused as to why he didn't come closer, **Raymond Leduc**, above, of Creighton mine engineering, watches **Walter Smorhay**, maintenance mechanic at Creighton 3 Shaft, measure his effort. **Rolly Larouche**, a compressorman at Creighton mine, won the putting contest which was held as part of the Creighton Mine Golf Tournament. Below, while their father Frank was busy getting things organized during the Creighton mine tournament, **Larry Young**, left, an electrician at Crean Hill mine, demonstrates his grip to his brother **Tom**, formerly a machinist at Creighton mine. **Frank Young**, a security officer at Creighton mine, and **Cecil Fleming**, of the Creighton mine time office, were largely responsible for the tremendous success of the tournament. **Kevin O'Brien** was the low gross winner with a 76 score, while **Hurley Hreljak** was the low net winner with a score of 70.



# NEWSMAKERS . . . NEWSMAKERS . . . NEWSMAKERS . . .



That's **Peter Semler**, of the Copper Cliff central shops, pointing towards the floating dock on Meatbird Lake, located between Lively and Creighton mine. It was some six feet from this raft that Peter just recently saved the life of 32-year old **Ken Calhoun**, of Kirkland Lake. "He kept going under, and I managed to grab him just in time," says Peter. "He was unconscious by the time I got him to the raft; however, thanks to some quick thinking by lifeguard **Glen Dunn**, mouth-to-mouth resuscitation was started immediately. You can imagine how relieved we were when the victim finally responded to our efforts and resumed breathing on his own." An ambulance was called which transported Mr. Calhoun to the Sudbury Memorial Hospital. He has since been released.

**Debbie Blake**, 14-year-old daughter of **Claude Blake**, water treatment operator at the Iron Ore Recovery Plant, recently represented Northern Ontario at the Canadian Youth Bowling Tournament, held in Regina, Saskatchewan. The team brought back the gold medal, indicative of the high calibre of bowling played in the Sudbury District. Debbie has competed in many tournaments, and for the third consecutive year has qualified to represent Northern Ontario in the National Youth Bowling Council 5-Pin Championships.

*Eating words has never given me indigestion.*

WINSTON CHURCHILL



During his recent visit to Indonesia, **L. Edward Grubb**, chairman and chief officer of Inco Limited, paid a courtesy call on President Suharto. Pictured with Mr. Grubb, centre, in the above photograph are Indonesian Mines Minister, **M. Sadli**, left, and **Don Phillips**, right, chairman and chief officer of International Nickel Limited. **Phil Jessup, Jr.**, managing director of P.T. International Nickel Indonesia, also accompanied Mr. Grubb.



A pleasant surprise was in store for **Karl Nordin**, of Halifax, upon discovering that he was the 35,000th visitor at the Copper Cliff North mine recently. Karl and his wife **Ann**, centre, were presented with pens and ore samples by Copper Cliff North mine's hoist inspector, **Wally Einarson**, left, and **Tom Parris**, executive assistant to the vice-president, responsible for mining and milling, Ontario Division. Although Inco tours have been going on for many years, the actual count of visitors at the Copper Cliff North mine didn't commence until 1973.



# NEWSMAKERS . . . NEWSMAKERS . . . NEWSMAKERS . . .



Construction of the Canadian Alloys Division rolling mill in the Walden Industrial Park, near Copper Cliff, is proceeding on schedule. As announced earlier, the new Division of Inco Limited will manufacture metal strip for coinage. Operations are expected to start in mid-1977.



With 'The Triangle' celebrating its 40th birthday on September 1, we thought it would be appropriate to talk with an Inco employee who is also celebrating his 40th birthday on the same day. Company records indicate only one employee born on September 1st, 1936 — the day the first Triangle was published. His name is **John Samuel** who works for the cleaning services department in Copper Cliff and is best known as a bus driver for Inco's shift bus service. John is an avid outdoorsman and counts camping as one of his prime interests. "I have a passion for the outdoors," said John. "We have a tent trailer and use it at every available opportunity. With all the beautiful provincial parks so close to Sudbury, we just pack up the family and hit the trail whenever we can." Needless to say, 'The Triangle' is pleased to extend sincere birthday wishes to John. Good health and happiness for many years to come!

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Canada Pension Disability Benefits are available after 90 days from injury or sickness. More information can be obtained by phoning Benefits at 682-4438 in Copper Cliff.



## NEWSMAKERS . . . NEWSMAKERS . . . NEWSMAKERS . . .



It appears that **Mel Young**, assistant to the president of Inco's Ontario Division, has a green thumb, and the luscious garden at his summer home on Lake Penage proves it. Aside from a bumper crop of cucumbers, Mel is justifiably proud of the many other varieties of vegetables, especially cauliflower, found in his lakefront garden.

\* \* \*



Inco Limited is presenting the trophy for the **Canada Cup Hockey Tournament** which will take place next month. Canada will host teams from the United States, Sweden, Czechoslovakia, Russia and Finland. The trophy is made of pure nickel, cast in the form of a stylized maple leaf. It has been nickel electroplated to produce a mirror finish.



Spearheading Inco's drive for more productive energy consumption is this Internal Energy Committee which will coordinate the conservation programs as well as provide any technical assistance required. Committee members include, front row, from left, **Jack Holtby**, superintendent of purchasing; **Dave Huggins**, superintendent of operations at the Copper Cliff copper refinery; **Gerry Cullain**, manager of central utilities, and **Berno Wenzl**, energy management coordinator. Back row, from left, **Buck Wercinzki**, formerly superintendent of operations at the Copper Cliff smelter and now with International Metals Reclamation Company in Pennsylvania; **Andy Johnstone**, of mines technical services; **Bud Brooks**, superintendent of fuels and oxygen; **Russ Ansley**, industrial engineering, and **Leo Rolninen**, assistant manager of projects.

\* \* \*

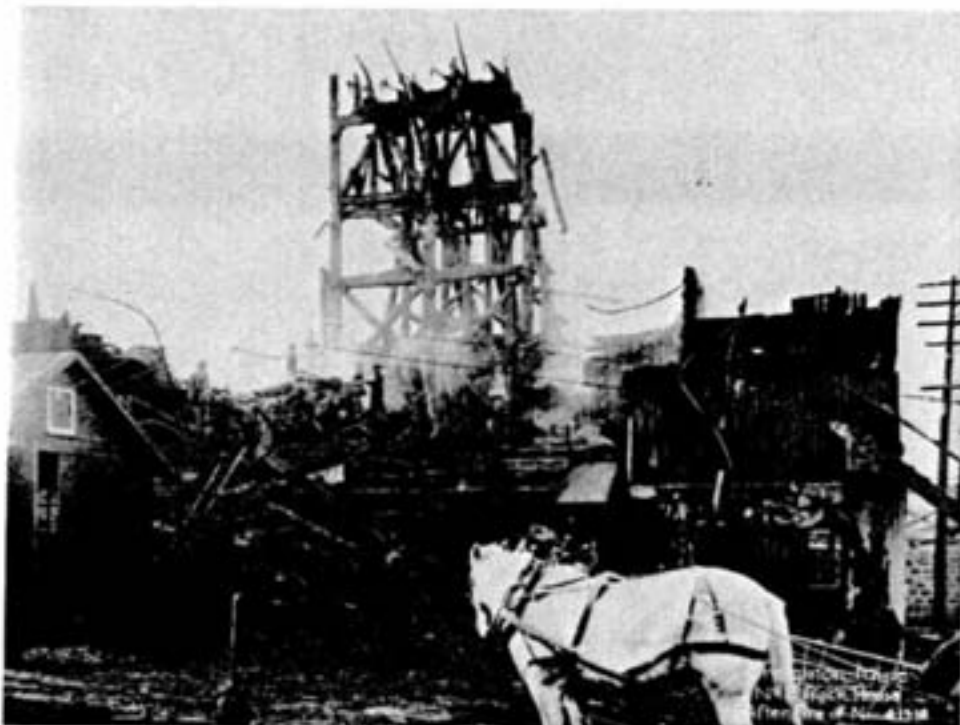


Riding the wake caused by his tow boat, a young water skier makes the most of the fine summer weather on Ramsey Lake in Sudbury. Facilities for yachting, canoeing and swimming make Ramsey Lake a popular sports facility for Sudbury and area residents. It is the home of the Inco Cup Races, the Northern Lights Folk Festival and the Bell Park amphitheatre.

# NEWSMAKERS . . . NEWSMAKERS . . . NEWSMAKERS . . .



We're sure our readers will be interested in viewing these old photographs, depicting happenings at Creighton mine in the early days. Above, the Copper Cliff Highland cadets are leading the July 1st parade back in 1912, with **A. MacIntyre** in the lead. The picture below shows the Creighton mine rock house after it was destroyed by fire on November 4, 1918.



Enjoying the fine playing conditions of the Idylwyld Golf and Country Club, **Kerry Size**, left, and **Harvey Gere** look on as mines equipment engineer **Len Klitchener** sinks his putt during the annual Inco Golf Tournament. As usual, the capacity turnout of Inco golfers made this year's event a resounding success.

**Glen Phillips**, a machinist at Creighton mine, has been named organizing chairman for this year's "Finn Fest", to be held September 17, 18 and 19 at the Walden Community Centre. Other Inco employees involved in organizing the occasion include **Ivan Hall**, a maintenance mechanic at the Copper Cliff locomotive shop; **Perry Kirkbride**, a painter at Creighton mine; **Bob Debris**, of the purchasing department, and **Dave Carrol**, a miner at Crean Hill mine. The usual hard work channelled into community events by volunteers from Inco is bound to make this year's "Finn Fest" a great success.



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OUCH!

# NEWSMAKERS . . . NEWSMAKERS . . . NEWSMAKERS . . .



Sudbury Canoe Club's latest claim to fame is **Brian Polowich**, 18, who represented the club at the Canadian Canoe Association finals in the kayak singles competition. Brian, who spent the summer working at the Copper Cliff copper refinery, comes from a long line of paddlers. Brothers **Leo** and **Ralph**, and sister **Janet**, are all well known among canoe racers from Ontario.



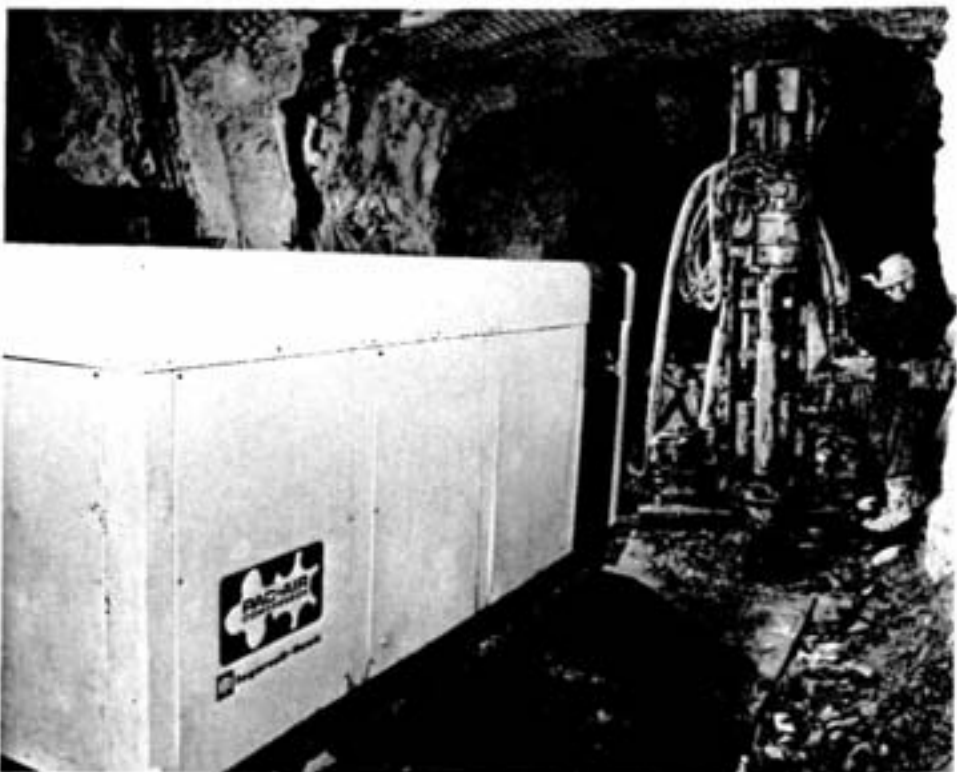
Repairing torches and regulators at the Copper Cliff blacksmith shop keeps **Joe Bar-noski**, left, and **Larry Aubertin** rather busy. The men work for the Copper Cliff rehabilitation centre and spend most of their time making sure the equipment stays in top shape. Under the direction of **Elio San-chioni**, the men repair all torches and regulators being used at Inco operations in the Sudbury area. Joe and Larry have been working at this job since October of 1975.

## 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.

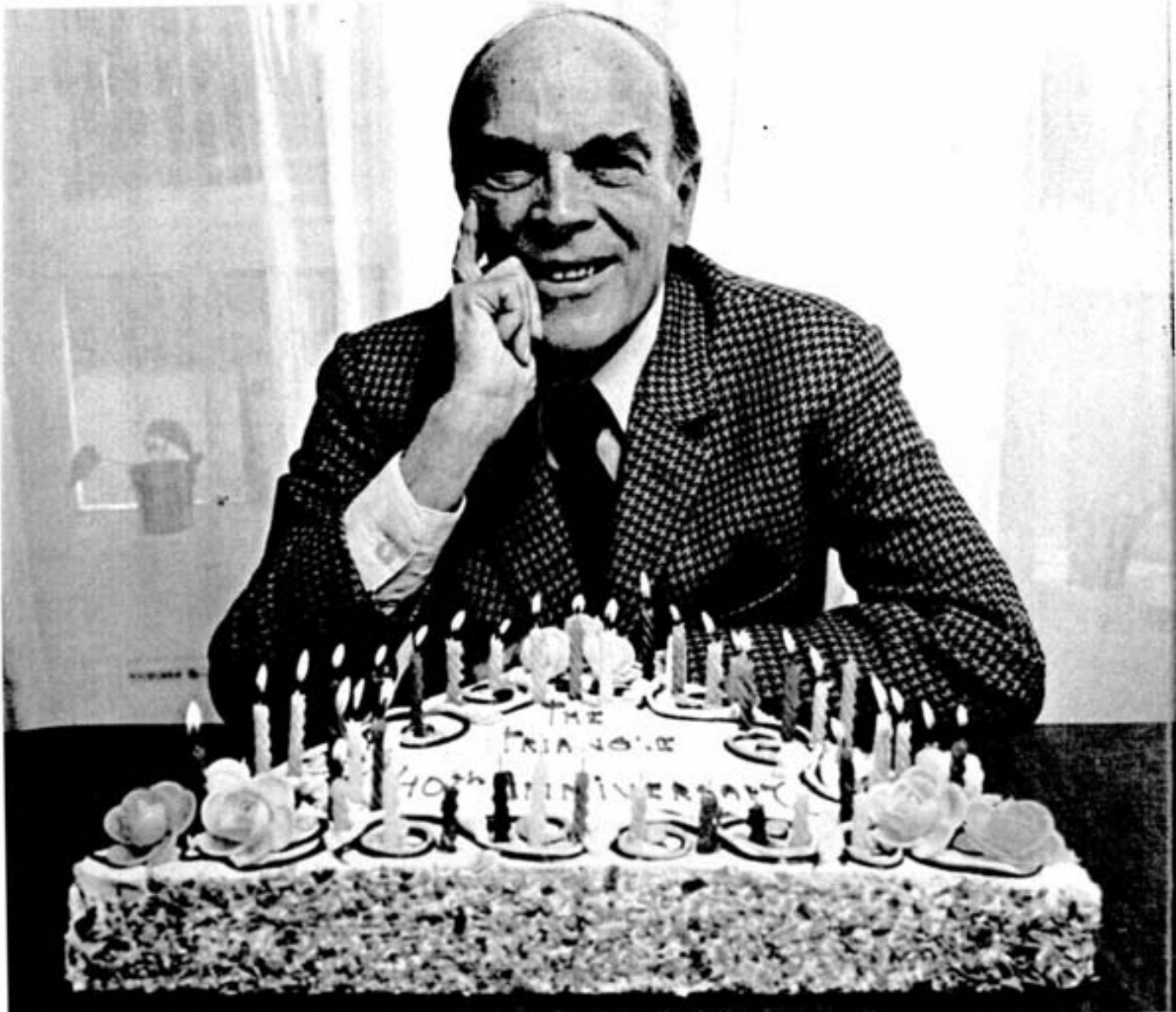


Area gardeners will benefit from the hard work going on in a unique summer employment program, "Ontario Experience '76." Inco recently donated a number of 45-gallon drums to the program for conversion to waste receptacles and water barrels for the Maley Drive gardening plots. Three representatives from "Ontario Experience '76" recently picked up the barrels at the Iron Ore Recovery Plant. Thanking **Len Shore**, of the Iron Ore Recovery Plant maintenance department, are, from left, **Ken Neufeld**, foreman **Larry McHattie** and resource planner **Susan O'Brien**.



This is the first portable electric rotary screw compressor, recently introduced to supply high pressure compressed air for one of the many "in-the-hole" drills now operating at a number of Inco mines. One of two trial portable compressors, this 900 cfm capacity "Hi Pac" is driven by a 250-h.p. electric motor and compresses free air in the stope to 200 p.s.i. According to **Len Klitchener**, mines equipment engineer, results so far have been encouraging, adding that the higher air pressure has substantially increased penetration rates, with better bailing of the hole. The photograph was taken at Creighton number three shaft, 1040 level. In-the-hole drill operator **Alec Hubert** is shown at the controls of the drill.





## Don Dunbar — Logo Writer

Thanks to the editor for his thoughtful invitation to this ancient scribe in the marking of The Triangle's 40th anniversary.

This is an occasion for considerable gratification to all the editors — past and present — of what has been called the flagship of the Inco communications fleet.

"The Triangle" could not have been launched under more favorable auspices. From the outset it was free to find its way and to establish its own identity. The understanding and generous co-operation from the Company down through the years has been exemplary. It has been a happy relationship.

Countless helpers have contributed to "The Triangle" in many ways, from the technical experts, patiently guiding the editors to a simplified understanding of the bewildering methods and processes, to the cook in her kitchen, cheerfully surrendering her cherished favorite recipes for publication. Along the way, there have been exciting Royal visits, great sporting events, the

spread of Inco operations and activities worldwide, building the confidence and security of its people, the growth of the Quarter Century Club with its distinctive bonds of fellowship and friendship and the broad program of benefits and advantages under the Inco umbrella, which grows in significance as the years go by. In 1936, as now, it's a reassuring world we live in, we at Inco.

Perhaps the most enduring of "Triangle" features, and certainly the most heart-warming, is the Inco Family Album, in which some 2,000 employees, their wives and families, have made their proud bow. It is singularly appropriate, in this connection, that editor Kneer, with his charming wife Desneige and their fine children, ranging from 10 to 17, will fly next month to his old home in Garbeck, West Germany. There they will help his parents celebrate their Golden Wedding Anniversary. Bon voyage, and much joyous festivity!

Don Dunbar