

# *The Triangle*

MAY 1974



# The Triangle

Editor, Derek Wing

Associate Editors:

Bert Meredith

Dave Barr

Les Lewis



## On the cover . . .

An unusual view — an underground look at the Copper Cliff North mine's number one south pit. The silhouette is mine foreman Dale Clarke as he views the results of a recent blast that dropped 1,660,000 tons of ore in the 120 orebody. Surface mining of the number one pit was terminated at the 250 level in late 1971, it's now being mined from the bottom up. Turn the pages and find out how it's done.

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## Special allowance for 15,000

The 15,000 hourly paid employees of International Nickel working in the Sudbury District and Port Colborne can look forward to receiving a special allowance of \$32.00 a month effective for the month of April and continuing until the end of June, 1975.

This was announced in Toronto at the close of the regular semi-annual meeting between the company and officials representing the United Steelworkers of America, and its locals 6500 (Sudbury) and 6200 (Port Colborne). Both parties stated that these payments are being made in light of current economic considerations.

This special allowance is a separate payment outside the terms of the current collective bargaining agreement. It will be paid monthly and is equivalent to 18¢ an hour. Pro rata payments will

be made to employees who do not work their regular hours in the month.

The payment of the special allowance will not affect current contract provisions calling for a 17½¢ an hour pay increase in July and a cost of living increase beginning in September.

These regular semi-annual meetings were first introduced in 1970 when the company and the union agreed to meet in the spring and fall of each year in order to discuss matters of mutual concern relating to the administration of the collective bargaining agreements.

Among the other items discussed at this session were problems concerning disabled employees, working conditions in certain departments, safety and health matters, and the administration of the grievance procedure.

## Appointments

**Bill Moffatt**, superintendent, safety and plant protection, mining and milling.

**Don Bradley**, manager of engineering.

**Nick Santink**, technical assistant, corporate information systems.

**Jim Curry**, system analyst, computer systems.

**Bill Brown**, administrative assistant to the manager, copper refinery.

**Alex McAll**, office supervisor, copper refinery.



*The Hogan family live at Whitson Gardens in Chelmsford. With John are his wife Aline, Danny, 6, Linda, 13, Patsy, 8, and Henry, 15. John is a conveyorman at the iron ore recovery plant.*



*Mike Gray is a skiptender at Frood where he's worked since 1969. With Mike and his wife Pierrette are Michael, who is four, and Marsha, just nine months. Mike is a keen five-pin bowler.*

## Family Album



*Adam Sesto and his wife Aldona with their family of teenagers. Paul is 12, Katherine, 17, Michael, 14, and Angela, 18. Adam is with the process technology group at the Port Colborne nickel refinery.*

*A member of the pay office staff at Copper Cliff, Bill Rorison and his wife Carmen have a family of three. Kimberly-Ann is 6, Billy, 12, and Timmy, 8. The Rorisons live in Garson.*





*At the iron ore recovery plant, checking the growth of a radial crack in one of the number six kiln's four trunnion shafts, Norm Pigeon of the central maintenance non-destructive testing section uses an ultrasonic flaw detector.*

**team·work** (tēm'wèrk'), *n.* *Am.*  
the acting together of a number of  
people to make the work of the group  
successful and effective.

*A diesel loaderman at the Copper Cliff South mine, Alex Gillies drove the husky load-haul-dump machine to assist in the removal and replacement of the damaged trunnion from an area that was inaccessible to less versatile mobile hoisting equipment.*



# Team-work

Almost as out of place as the proverbial bull in the china shop, a Copper Cliff South mine load-haul-dump machine came to surface recently to flex its mighty muscles — believe it or not — in the roaster kiln building at the iron ore recovery plant.

An invited, and very welcome guest, the ST-8 proved its ability to navigate tight turns, operate in areas having minimal headroom, and haul a husky load — in this case a 13-ton kiln trunnion and shaft — from a location that was impossible for a mobile crane to reach.

A major IORP maintenance activity that required the co-operation of the mines department, the machine shop at the Copper Cliff smelter, the transportation department, and the non-destructive



*At first glance, this picture might indicate an underground mining scene. Not so — the powerful load-haul-dump machine, an ST-8, from the Copper Cliff South mine is strutting its stuff on surface at the iron ore recovery plant. Its low profile and ability to navigate tight turns with a heavy payload — the trunnion and shaft in its bucket weighs 13 tons — made it the ideal workhorse for the maintenance job in hand. Alex Gillies is the driver, the mechanics are Ralph Corbiel (left) and Will Marshall.*



# Teamwork

testing section of central maintenance, the trunnion trouble started back in mid-December of last year when a routine ultrasonic check on one of the number six kiln's trunnion shafts revealed a radial crack that had reduced the shaft's net area by 32 per cent.

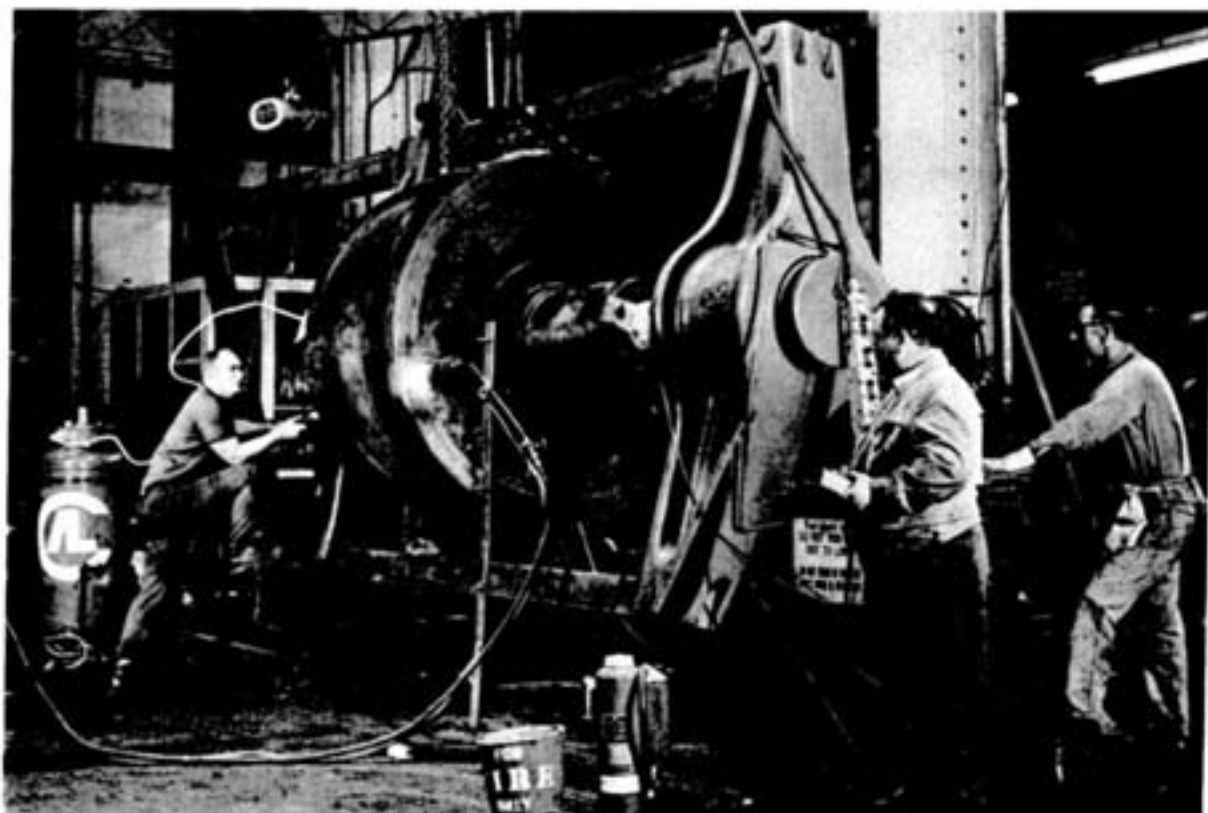
One of four trunnions supporting the 950-ton, 176-foot long by 13-foot diameter rotary kiln, it was allowed to continue in service under the watchful eye of the non-destructive testing section, until the

end of January by which time the crack had reduced the shaft's area by 52 per cent, and the kiln was declared inoperable.

After studying removal problems, which for previous trunnion replacements had involved building a wooden crib and ramp, or removal of building steelwork to allow mobile crane access, IORP assistant maintenance superintendent Bob Remington hit on the idea of utilizing the versatility of an L.H.D. machine and

a phone call later the powerful rig was in position and ready to do its stuff. Following its removal from the building, the trunnion was turned over to the transportation department who delivered it by float to the Copper Cliff smelter.

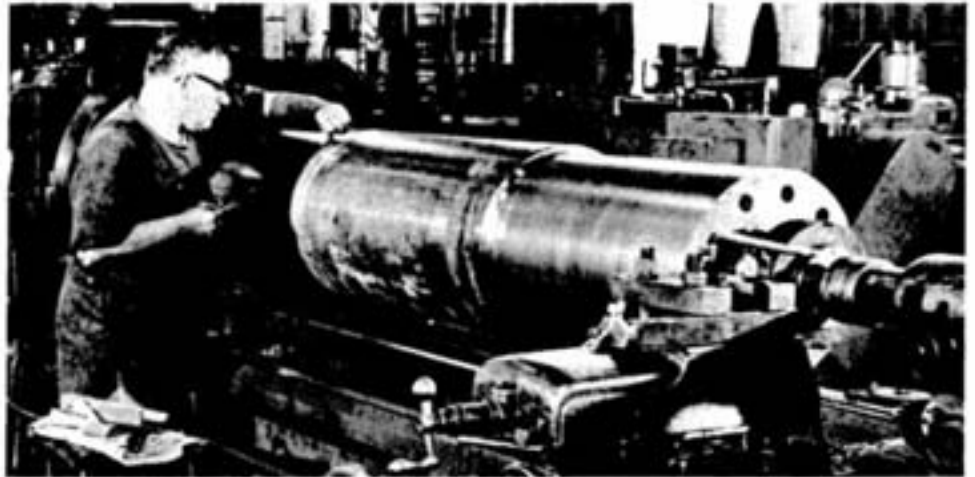
At the machine shop the trunnion shaft was cooled, the trunnion roller was heated, and a powerful 400-ton hydraulic press was used to separate the two, while a new shaft received its final machining.



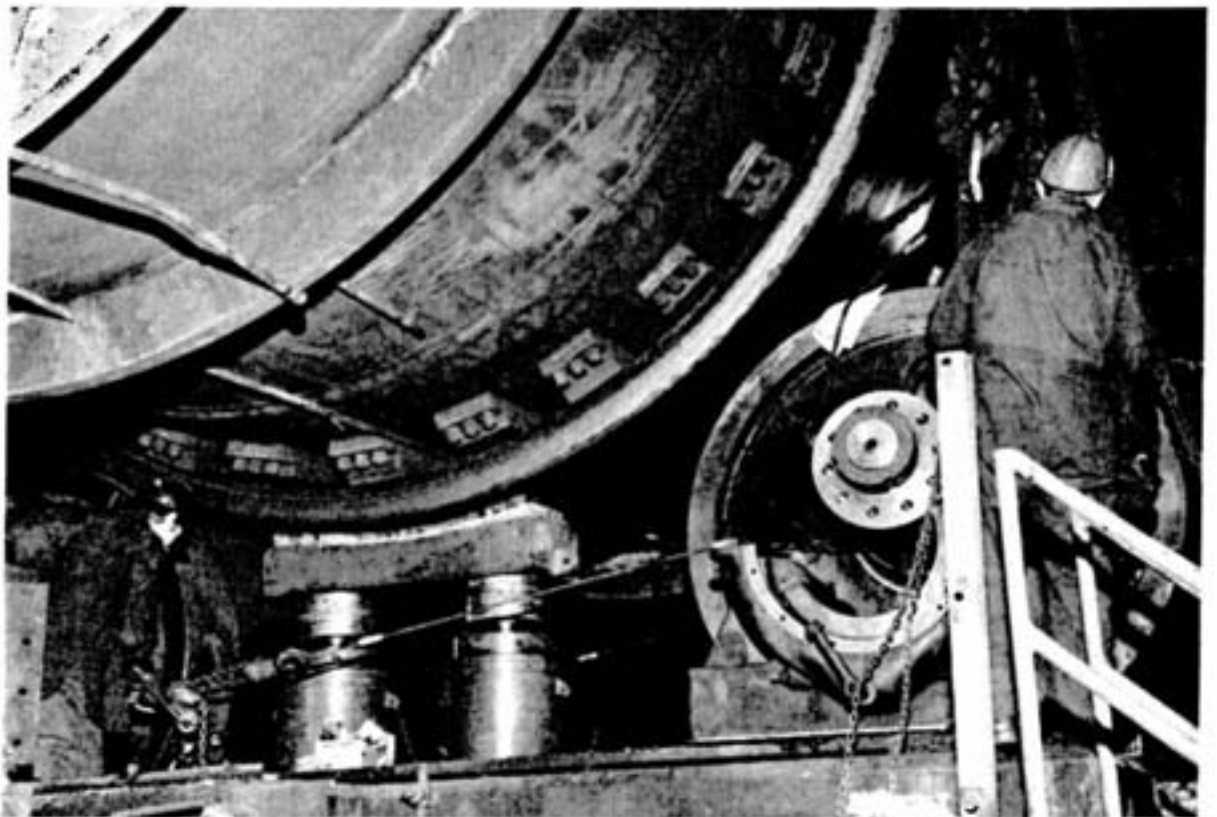
*In the Copper Cliff smelter machine shop, the trunnion assembly was mounted into a 400-ton hydraulic press for shaft removal. Liquid nitrogen from the cylinder at the left was used to shrink the shaft while gas burners were used to expand the trunnion roller. Carrying out this hot and cold operation, from left to right, are machinists Richard Gray and Eddie Martel, and maintenance mechanic Lou Lalancette.*

After assembly, the trunnion was returned to the IORP, snaked back to the kiln by L.H.D. machine, and installed by maintenance general foreman Johnny Buchowski and his mechanical crew.

Stoically revolving now at its running speed of one r.p.m., the kiln is back in operation after a down-time that was reduced to a minimum by imaginative use of available equipment and close inter-departmental co-operation — or in other words — teamwork.



*While the trunnion assembly was being disassembled at one end of the machine shop, at the other end machinist Dave Speirs was contributing his talents to the teamwork effort adding the final touches to a newly machined replacement trunnion shaft. Nearly nine feet long and 19 inches in diameter the shaft tipped the scales at three and a half tons.*



*The final teamwork effort, reinstallation of the trunnion assembly was made by IORP maintenance personnel. Slung from building steelwork, the trunnion was drifted into place using two 2-ton "comealongs", and lowered into its bearings. In the centre of the picture are the two 375-ton screw jacks that supported the kiln during the trunnion's absence. Inching the 13-ton load into place are mechanics Ralph Corbiel (left) and Jim Bartindale.*

As far as safety goes, carpenter Joe Brouillette is number one at the Copper Cliff North mine.

Joe started with International Nickel at Levack on April 17, 1937, and recently racked up 37 years of injury free service. In recognition of his outstanding achievement, Joe was presented with an engraved memento in the form of a polished piece of North mine ore together with a congratulatory letter from the mine's superintendent, Grant Bertram, in which Grant stated: "Your attitude, your performance, and your obvious safety consciousness over the years has provided a challenge and an inspiration to all of us."

"You have earned the respect of your co-workers and your supervisors, and I feel sure a little of you has rubbed off on a lot of us during the last 37 years."

"Congratulations again Joe, from all of us at the Copper Cliff North mine. It has been, and will continue to be our pleasure to work with men of your calibre."



It was smiles all around in the Copper Cliff North mine warm room when carpenter Joe Brouillette (right) was presented with a memento in recognition of his 37 injury free years with Inco. Maintenance general foreman Mel Johnstone (left) made the presentation watched by electrician Matti Jousi and mine safety foreman Garnett Smith.

## Congrats to two

While dismantling the forms used during the pouring of a concrete retreatment tank at the Port Colborne nickel refinery, Henry Chumienski of the carpenter gang had quite an experience. He was standing on a wooden platform across the top of the tank while operating an electric hoist to lower the forms to the basement, over 30 feet below. As one of the sections pulled free, it suddenly swung sideways towards him. When he stepped backwards to get out of the way, he lost his balance and fell over the outside edge of the tank. However, to make a long fall short, his safety belt and safety line, which he had previously fastened to the cable erected for this purpose, saved the day.

As Henry recalls, "it sure looked a lot further down than 30 feet and I have no ambition to become an astronaut walking in space." It's his hope that his "near miss" will have made his workmates fully aware of their responsibility in following the standard safe work practices.

Henry Chumienski received a white belt as a silent reminder of his good fortune. Gathered in the Port Colborne carpenter shop are (left to right) carpenters Bruno Baldissera, maintenance superintendent Ross Butler, John Karpinchick, Bernard Fournier, Henry Chumienski, John Arnold, Emmanuel Hili and Kazimierz Haraj.







# Under sail

A cool, summer breeze swept Ramsey Lake as the Sudbury Yacht Club prepared for its club championship regatta, under the watchful eye of Commodore Larry Banbury.

On or off the lake, Larry's a super-salesman for the joys of sailing.

"Ours is a family club," he says. "We have junior and Ladies Day regattas and instructional classes that are open to the kids, and the club even owns an island in Ramsey Lake for members to use for picnics.

"The Sudbury Yacht Club isn't a big,

fancy club," adds the superintendent of process technology in matte processing at the Copper Cliff smelter. "We want to overcome the impression that yachting is a rich man's sport. You could join our club for about \$100 and build yourself a small boat from a kit for another \$500.

"You don't even have to own a boat to join; people are always looking for crews."

The yachts at the Sudbury Yacht Club basin are a far cry from the Royal yacht, Britannica — probably one of the first vessels that comes to mind when some-

one mentions yachting. At the SYC, everything depends on the wind; no motors are allowed. And the yachts are small and light, because racing is an important part of club activities.

Those activities include picnics on the grounds of the attractive A-frame clubhouse, built on an island in the late 1950s and now linked to the shore by a man-made causeway.

There, the 80 member families, about a quarter of them Inco employees, can relax and enjoy an oasis of peace in the bustle of a Sudbury summertime.

# Catch the wind



Two "Y"-Flyer class yachts approach the starting line for the Sudbury Yacht Club championship regatta. Only 18 feet long, these boats carry 161 square feet of sail.



With letters corresponding to buoys on the lake indicating the course, starter Paul Coulombe, a maintenance electrician at the copper refinery, sends the racers on their way with a rifle shot.



*It's called "hiking", and the acrobatics performed by Larry and Adrienne Banbury are one method of keeping the sails full of wind and the boat at top speed.*



*A man-made causeway links the Sudbury Yacht Club "A"-frame clubhouse to the shore of Ramsey Lake. The club owns another island in the lake for use on cruises and family picnics.*



*"Oops, dropped it", Jim Baileny (left), of the copper refinery, seems to say as Larry Banbury and Rolph Wasely, also of the copper refinery, prepare a yacht for racing.*



At the south end of the 120 orebody and on the 400 level, construction leader Don Cucksey (left) and blasthole drill boss Fred Monette re-prime a drill hole in the main north drift. Except in wet and lost holes, stick powder was used.

Opening at the far end into the south slot of the 120 orebody, this part of the main north drift is loaded, wired and ready to blast. Making final tests are Fred Monett and electrical crew Frank Haner and Kevin Poirier.



# Down came the "muck"

## 1,660,000 tons of it!

March 30th, with the last seconds before 2:30 p.m. steadily ticking away.

It was as if the Copper Cliff North mine was sleeping. Down in the mine, machines stood idle and drifts and crosscuts lay silent.

On surface and in the mine's electrical switchroom, two men stood quietly.

One of them, area electrical foreman Rene Plouffe, had his right hand raised and his eyes on the second hand of his watch.

The other, mine foreman Eric Ashick, had his right hand on an electrical push button and his eyes on Rene.

Rene's hand fell. Eric's hand moved — and 1,660,000 tons of ore in the 120 orebody section, located between the mine's 1050 level and the bottom of the number one south pit, toppled and thundered down.





With blast zero-hour just seconds away, area electrical foreman Rene Plouffe counts-down for mine foreman Eric Ashick who triggered the blast. Using mains voltage, the switch activated a circuit breaker and 14 loco batteries on the 600 level which provided the 600-volt DC firing jolt.

Stretching for 800 feet from the bottom to the top of the picture, this is the mined portion of the 120 orebody. Below is the top of the 400-foot deep 1,650,000-ton pile of ore toppled by the recent pillar blast.



A longhole pillar blast, the production break packed the punch of 264 tons of explosives loaded into 12,936 drill holes with a total drilled footage of 611,360 feet — nearly 116 miles! Added to the ore already removed from this 120 orebody portion by underground shrinkage, blasthole and slot mining during a programme that started in February of 1967, the pillar blast brings the ore fragmentation total in that part of the body to more than four and a half million tons.

It is estimated that it will take almost three years to bring to surface the ore fragmented in the pillar blast.

Backtracking to the beginning of underground removal of this 120 orebody section — a block of ore some 800 feet long averagely 70 feet wide, and 800 feet deep — between early 1967 and late 1972, nearly 2,000,000 tons of ore were removed by shrinkage stope methods.

# 1,660,000 tons

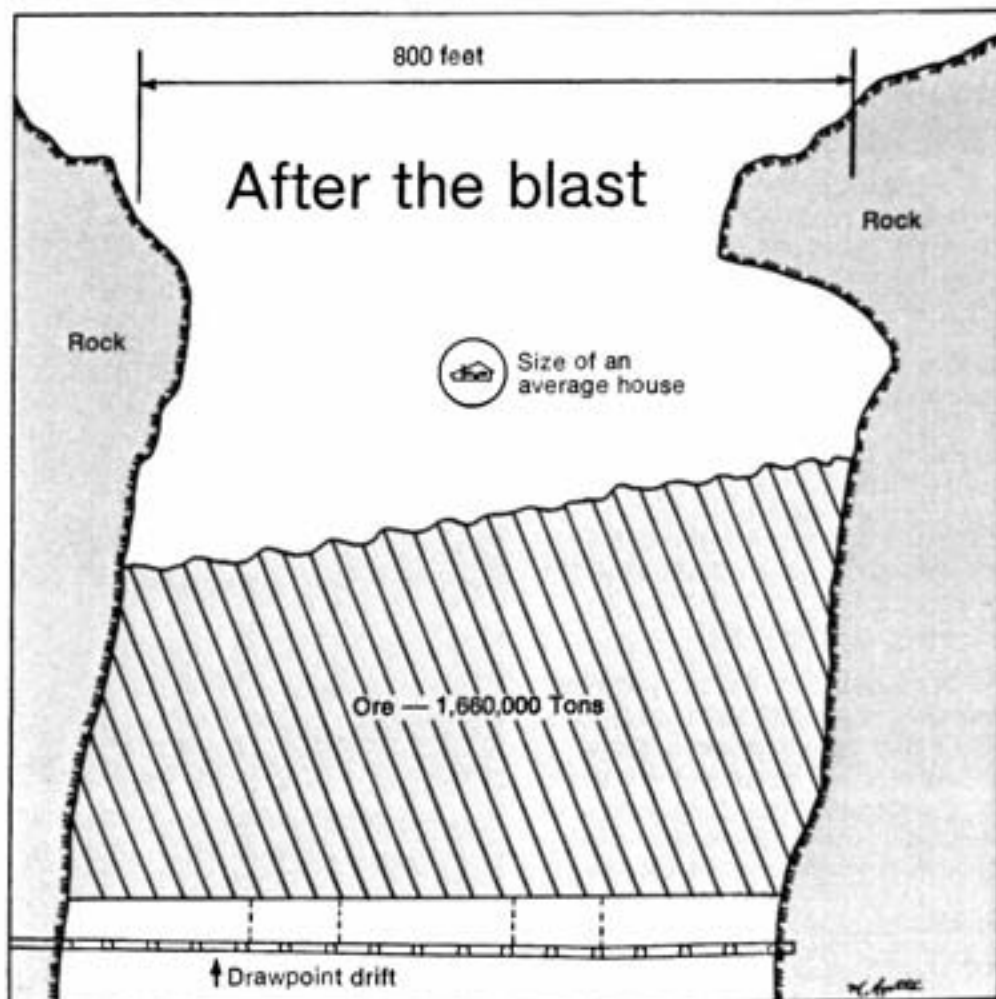
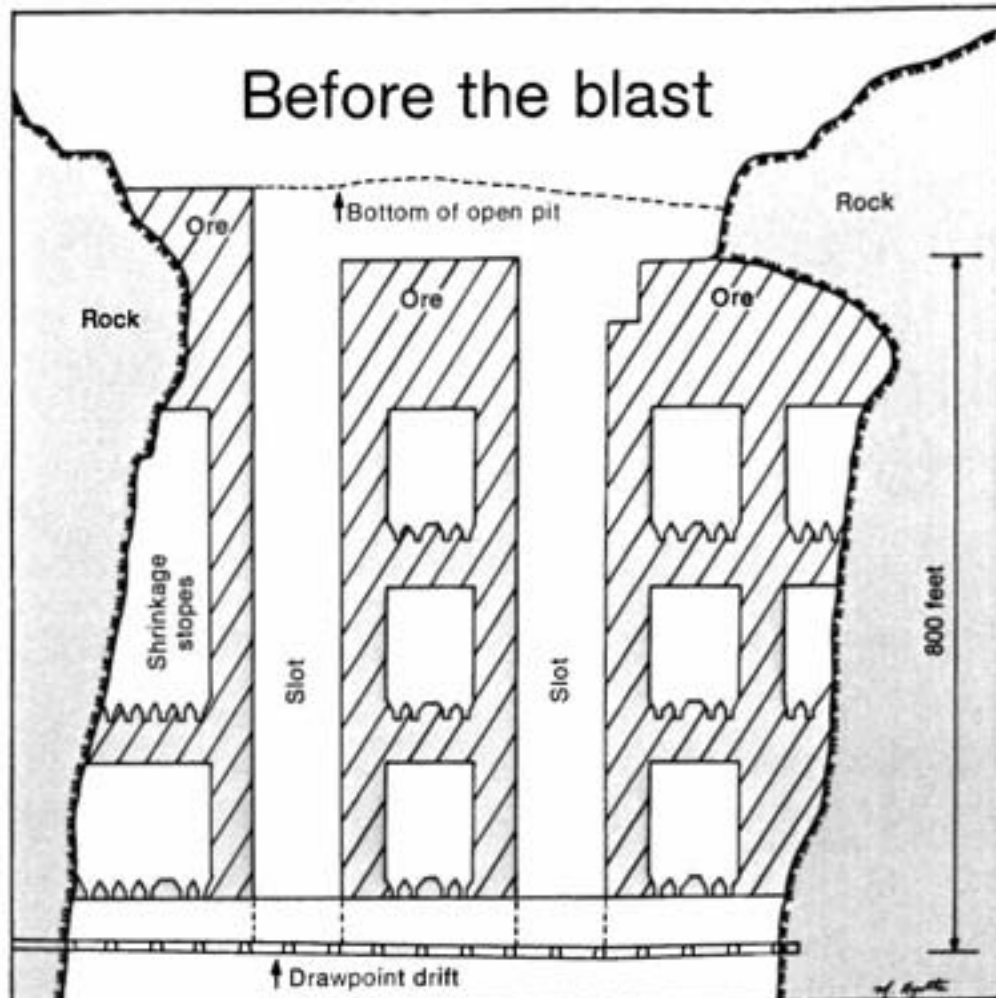
A further 500,000 tons between the 350 level and the bottom of the pit was removed by blasthole mining between 1971 and 1973, and more than 500,000 tons was recovered during the excavation of two slots 100 feet long the full width of the orebody and reaching from the 350 foot level down to the 1000 level.

Proved by exploration drilling, the 120 orebody extends down to the 6000 level with a cross section similar to that between surface and 1000 level.

Following the pillar blast, an activity that could be described as removing the final skeleton of this portion of the 120 orebody, Copper Cliff North mine superintendent Grant Bertrim circulated the following letter to all department heads:

*Please convey my thanks and appreciation to all concerned with the organization, preparation and execution of the recent blast. Many months of preparatory work were involved. Drilling — loading — priming — wiring — testing, as well as the associated planning, organization and the development of safe procedures and the co-ordination of the efforts of all departments. Targets and objectives were set and met safely and efficiently. The enthusiasm of the people concerned and the results achieved are most gratifying. Please express my personal congratulations to every man for his personal contribution to the safe and efficient completion of this job in a commendable manner.*

What else is there to say — Grant said it all, and said it well.



# Musical notes

## Youth in Concert '74

Practice makes perfect, and the concert band from the Garson-Falconbridge Secondary School has been diligently rehearsing for the upcoming Youth In Concert '74 programme scheduled for 8 p.m., Wednesday, May 8, at the Sudbury Arena. The concert will feature 25 concert bands from elementary and secondary schools in the Sudbury area. International Nickel will sponsor the broadcast of the concert on CKNC-TV at 2:00 p.m., Sunday, May 26.

The 49 member Garson-Falconbridge band is directed by George Stelmack, whose wife, June, is accounting department steno pool supervisor at Copper Cliff.



Four members of the Garson-Falconbridge Secondary School concert band's brass section rehearse after classes. The musicians are, left to right, Ken Protullpac, Carmen Saurus, Rheal Renaud, son of Garson rigger Adrian, and Bruce Thompson.

## Finnish Male Choir

The Sudbury Finnish Male Choir, hailed as one of the district's finest, recently completed one of their busiest months. During the month of April, the 50 member choir performed at the Kiwanis Music Festival and also presented the Finnish Male Choir annual concert at the Fraser Auditorium. The concert was recorded by television station CKNC-TV and the broadcast, to be scheduled later this month, will be sponsored by International Nickel.

Two Inco employees held the spotlight when they performed as soloist first tenors. Erikk Kinos, of the Copper Cliff South mine, and visual aids department artist Henry Laamanen, gave virtuoso performances that won instant audience approval.



The Sudbury Finnish Male Choir, resplendent in tuxedos, follow the direction of Mrs. Ella Lillo while performing during the recent Kiwanis Music Festival. First tenor, Erikk Kinos, third from left in the front row, works at the Copper Cliff South mine.



Gordie Tapp



The Peaches



Wes Harrison

This year the Quarter Century Club adds 493 new members to the more than 5,200 members in the Copper Cliff chapter.

On Monday, June 10, new members from the mines section will be feted at a banquet at the Italian Club in Copper Cliff, and on Tuesday, June 11, new members from the reduction and refining sections will enjoy a similar treat.

On these two nights Quarter Century Club pins will be presented and entertainment provided by a local group, The Happy Gang. The keynote will be infor-





**Daniele Dorice**



**Al Cherny**

mality and judging by last year's events, everyone should have a fine evening.

On June 13 at 7:30 p.m. a full and exciting bill of entertainment has been arranged to be presented at the Sudbury Arena. All members of the Quarter Century Club will receive an invitation to attend and bring along their wife or guest. Widows of former members of the Quarter Century Club are invited to attend the June 13 show, and should phone 682-3397 after May 27 for tickets which will be mailed to them.

That inimitable Toronto "country boy", Gordie Tapp will be emcee for the show

and will also portray his own comic country characters. The Moxie Whitney orchestra, under the baton of Buddy Baron, will provide the music for the entertainers and also perform at the opening and closing of the show.

The fine acts include the spectacular Ukrainian Kalyna Cossack Dancers with their great leaps and wild gyrations. They are considered Canada's top Cossack dancers.

A trio of very attractive girls, The Peaches, perform fine harmony with a variety of popular songs. They have been

featured on the Tommy Hunter Show and will be appearing in the summer replacement for that show.

One of Canada's top fiddlers, Al Cherny, who also appears on the Tommy Hunter Show, has a great repertoire of tunes. He also works with Gordie Tapp in his "Cousin Clem" routine.

Mr. Sound Effects, Wes Harrison, has an unusual and interesting type of comedy act that will amuse all, and the delightful Daniele Dorice from Montreal, is a one-woman show complete with audience participation.

*A happy Ed Lahti is seen with iron ore plant manager George Nowlan and one of the pallet axle sleeves he suggested as an alternative method of repairing worn axles. In front are three pallet axles and a pallet end.*



# Almost made it

Top money winner in the suggestion awards this past month was **Ed Lahti** of the iron ore plant machine shop who almost duplicated Onney Belanger's maximum \$5,000 award of a few months back. Ed earned \$4,030 for his suggestion of a replacement sleeve for pallet axles. This eliminates the necessity of pressing out, repairing, and pressing in, worn shafts on sinter machine pallet ends. This procedure resulted in considerable saving and rewarded Ed with a nice, big cheque.

Other award winners included **Henri Leblanc**, a leadwelder at the copper

refinery, who received a \$245 award for suggesting an improved slimes line for the tankhouse. His suggestion facilitates the installation, checking and cleaning of this line. This is Henri's second award.

At the iron ore plant **Alfred Wilkie** picked up \$70 for proposing a stainless steel sleeve to cover magnetic separator drum housings and **Antonio Fragomeni** of the copper refinery earned \$65 for suggesting stainless steel sheeting rather than mild steel sheeting on anode casting wheels.

In the \$50 award class were **Nicola Rocca** and **Bill Ingram**, both of the

copper refinery; Nicola suggested a stop switch for the sheet preparation machine and Bill came up with the idea of a stainless steel guard for slime pumps.

**Maurice Poulin** was awarded \$40 for suggesting an angle iron support to brace piling stands; **Gilles Despatie** earned \$30 for his idea of a roller for wire in the tankhouse, and **Gino Visentin** also won \$30 for proposing to relocate shearing machine push button switches closer to the operator. All three are copper refinery men.

In the \$25 class were **Howard Larrett**, who suggested relocation of stairs on the



*Henri Leblanc's suggestion for a new type of slimes line in the tankhouse at the copper refinery won him \$245. Here Henri welds a riser to a section of plastic pipe similar to that used in his suggestion.*

# — didn't he!

north side of the tankhouse, and **Gerald Morning**, for his idea to install two floodlights outside the plate shop door. Both these men are from the copper refinery. From the iron ore plant **Alphonse Pilon**, for suggesting installation of Square-D switches on Eimco filters, **Amadeo Ronchin**, for his idea to equip welding machines with cables to discourage their transfer to other machines, and **Reg Park** and **Ernest Schrader**, who saw the need to install drain lines on leaching building repulp pump lines.

**Paul Delorme**, formerly of the copper refinery but now at the iron ore plant,

picked up three separate \$20 awards for suggesting a sand and salt box at the Kelly Lake pumphouse gate, a permanent ramp to obtain samples in the water treatment plant, and a stairway at bosch pond outlets for safer sampling.

**Howard Maitland** from the copper refinery won \$15 for suggesting lead strips on either side of tankhouse section 29 outlets, and also picking up \$15 was **Oliver Moxam** of the iron ore plant who proposed the installation of a platform on the side of kiln bases for checking oil levels.

**Ron Wigmore** earned \$10 for suggest-

ing plexiglass windows in two doors and **Leland Blois** also won \$10 for his improvement on separator water valves. Both men work at the iron ore plant. For suggesting a heater in the changehouse tunnel at the copper refinery **Jean P. Bouchard** and **Leo Vincent** each won \$10.

And at the Port Colborne nickel refinery, two awards were made to shearing department employees. **Tony Minervini** was awarded \$20 for his idea to facilitate the handling of scrap buckets, and **Forte Buttigieg** won \$15 for proposing a new location for a conveyor emergency switch.

# Full house

Even the best fiction writer might have trouble matching the manner in which the Vern Tupling rink shattered all the laws of coincidence on March 19 at the Copper Cliff curling club.

Vern and his rink came up with an eight-ender in the seventh end of their morning shift league curling game. Vice-skip Verdy Villeneuve, first aid, Copper Cliff smelter, skipped a rink that scored another eight-ender last December and the opposition's skip on that occasion was Vern Tupling, recently retired from Inco's personnel department. Other rink members were Ralph Crichton and Allen Earl.



Skip Vern Tupling (left), watches as his teammates bring the last rock of the seventh end into the house to score an eight-ender. The three with the brooms are (from left) Ralph Crichton, IORP foreman, Allen Earl, retired Copper Cliff smelter bailman, and Verdy Villeneuve, Copper Cliff smelter first aid man.

# Firm foundation



Frank Reynolds (left), Jarrett School Building Campaign chairman accepts a cheque of \$25,000 from International Nickel. The cheque was presented by Mel Young, assistant to the division president. The Inco donation is the largest single amount received to date.

The Jarrett School Building Fund is \$25,000 richer as a result of a recent International Nickel donation.

The donation was presented by Mel Young, assistant to the division president, and accepted by Frank Reynolds, campaign chairman. The building campaign has an ultimate goal of \$250,000 and Inco's \$25,000 donation is the largest single amount received so far.

After making the presentation, Mel Young said; "Inco recognizes the very valuable part the Jarrett School plays in the community of Sudbury and the surrounding district." He indicated that the company also makes continued use of the school for such things as manufacturing claim markers.





*Assisted by his son, 7-year-old Derek, Copper Cliff benefits counsellor Jack Moskalyk carefully sows some microscopic petunia seeds. The 5,000 or so seedlings he grows annually stock his own garden and those of relatives and neighbours.*

# OK! Let's grow!

*Smitten by the growing bug some eight years ago, Jack used a 48-square-foot plastic covered frame greenhouse for five years before building this 300-square-footer. A firm believer that plants can feel, he pipes music to them to keep them happy.*



For most people in the Sudbury district, spring starts sometime in April when suddenly, and magically, a dismally brown backyard lawn appears and an instant crop of lost mittens, clothespins and the sad remains of last year's annuals are exposed to winter-weary eyes that were expecting green shoots and maybe a crocus or two.

It's not an inspiring experience, and it can be avoided. How? Join the "start spring early" movement and add a couple of months to a short northern summer by sowing your favourite annual seeds during the blustering blizzards of March. It's fascinating fun, and what's more, it's



Copper Cliff North mine drill litter Erik Hansen uses his greenhouse for two purposes. In the winter he uses it to rotate his wife's house plants, in the spring he raises seedlings. His own design, he uses a pot on the stove to steam sterilize his own soil mixture. The steaming takes about 30 minutes.

A centennial project, Dave Walsh's 200-square-foot greenhouse — complete with forced air oil furnace and exhaust fans — took three years to build. After careful dickering for salvaged windows Dave figures the building cost him \$200. He's a draftsman with field exploration at Copper Cliff.

## Let's grow!

good for the pocket book. A basement bench, a few wooden "flats", a grow lamp that emits ultraviolet light and a little loving care can work wonders. Of course, a small heated greenhouse works better but that's getting into the semi-professional and full-time hobbyist bracket.

Many local enthusiasts sow and transplant their seedlings into various root growth promoting soilless mixes — peat-moss and vermiculite — that are on the market, or they mix their own secret formula.

Market mixes are sterile and devoid of disease organisms and fungus spores that cause "damp-off", the gardener's curse . . . an attack on the seedling stems at ground level that is fatal and very final. The devoted ones who mix



their own starting soil adopt various sterilizing methods (usually under the baleful gaze of the lady of the house) — using the kitchen stove to roast or steam the bugs into nonexistence. Gleaned from some of Inco's amateur nurserymen, tips that could help the beginner include advice that germination is attained more successfully by uniform and regular watering.

Transferring seedlings directly from coddling basement temperatures to a cooler garden climate can be disastrous. Drop the temperature slowly to produce hardier plants, and when they're finally outside leave them in the "flat" for four or five days — they'll love you for it and show you their appreciation by presenting you with blooms that you'll never believe — give it a try.



*At their 260-acre farm on the Mikkola Road, Inco's agricultural department general foreman Eino Mikkola and his wife Laura have been growing their own flower and vegetable seedlings for the past ten years. Their favourites? For hardiness and colour they settle for petunias and marigolds.*

*Charlie Wilkin and his wife Doris have wowed people with their garden on the Clarabelle Road in Copper Cliff for many years. To plant his large lot back in 1961, Charlie forked out \$50 — that was the end. Since then he's grown his own. He's a maintenance mechanic at the Copper Cliff nickel refinery.*



# Four Days?



*Bev Moir has started taking guitar lessons since going on 12-hour shifts. The guitar was a gift from husband Stuart, a Copper Cliff copper refinery electrician.*

**The nickel industry is constantly undergoing changes in technology and those changes bring about changes in other facets of the industry, including employee relations. Inco has found that in some areas, certain jobs are very adaptable to longer work schedules, and indeed, the job can be better completed over a longer shift period. When advantages to the employee and the job are apparent, application is made to the Employment Standards Branch of the Ministry of Labour, and on approval of the innovation, the shifts are established.**

Three days off in the middle of the week? Five days off in a row once a month? It sounds almost too good to be true! But it is true; some Inco employees are now enjoying the benefits of 10 hour shifts four days a week, or 12 hour shifts three days a week.

Now let's look at examples of employee benefits of working either 10 or 12 hour shifts.

The first aid and plant protection department is on the 10 hour shift schedule, with four Copper Cliff nickel refinery nurses on 12 hour shifts. Process

chemists at the matte processing lab also enjoy the 12 hour shifts, while Clarabelle mill process technology lab chemists work 10 hour shifts.

For the person with a little extra energy and an outside hobby, the relatively new innovation is ideal. Rudy Bosch, matte separation process chemist, is enthused with the extra time off, and he says there are also economical advantages to working 12 hours three days a week. Since the new shift began in February, 1973, Rudy, who lives in Markstay, has found that his transportation costs are down.



*Rudy Bosch and his wife Ruth take a coffee break in their new restaurant in Markstay. The pie was baked by Ruth, who also does the other cooking at the restaurant.*



# Four Yeas!

Rudy recently opened a small restaurant in the front portion of the house he built several years ago, and he has also found more time for community involvement. He's on the finance committee that hopes to build a new arena in Markstay.

Richard Cholette, of Garson first aid, works 10 hour shifts and is glad he has extra time off to devote to his latest interest. Richard recently took over as proprietor of the Empress Beauty Salon in the Falcon Plaza. Richard's wife, Ruth, is new in the hairdressing profession and has made an agreement with Richard that she won't attempt any repair work around the shop if he won't set hair. Along with doing the odd repair at the beauty salon, Richard has also found time to take up golf, and says, "there couldn't be a better shift schedule."

Another employee who likes her new schedule is Bev Moir, a Copper Cliff nickel refinery nurse. Bev has developed an interest in guitar playing in her spare time, and now finds ample time to practice for her weekly lessons. "The new schedule also allows me to do more housework," she smiled. Bev works 12

hour shifts, and a typical week has her working Saturday to Wednesday, and then having Thursday to Monday off. The four nurses at the nickel refinery first aid station have been on the new plan since May, 1973, and all are very much in favour of their schedules.

Dave Hough, a Clarabelle mill process technology lab chemist, has a seasonal hobby — a summer camp on Wolsley Lake on Manitoulin Island. During the winter and spring months, Dave enjoys having additional time to spend with his family. Dave and his wife Ruth also enjoyed occasional skiing trips to North Bay when Dave had five days off every fourth week. "About the only disadvantage of the shift is that with a few extra days off I spend a little more money," he laughed.

Most of the shifts worked by these Inco employees are prepared for a four week schedule. However, in cases such as the nine process chemists at matte separation, the schedule covers a 12 week period. In all cases employees still work 40 hours a week, but on longer shifts with additional days off.



The Dave Hough family set up the "Risk" board for an evening game. Dave's shift enables him to spend more time with son Stephen (left), his wife Ruth, and daughter Jill.



Richard Cholette checks one of the lint filters on a hair dryer in his recently acquired beauty salon. Richard restricts his talents to small repairs — not hairdressing.



*Hup two three four! Hup two three four! Instructor Vince Mazza sounds the cadence and 41 pairs of running-shoe-clad feet pound the floor of the auditorium at the Port Colborne employees' recreation club.*



*"Who are you fooling" asks John Clouff as he waves his thumb at Ted Creighton. "Let that deep breath go and your belt's going to disappear." Posing with a "before" type profile, Gil Gagnon says nothing — he's fresh out of breath from the last exercise.*

# Whew!

With thoughts of activities associated with summer, and with extra pounds and inches accumulated over a long winter, employees at the Port Colborne nickel refinery, with the help of the safety department's Jim Babirad, decided to act. They started a physical fitness class in the recreation club.

It's easy to build up a lot of enthusiasm before any class of this type begins but once things get underway muscles start to ache, and usually some excuse can be found not to attend. However, that hasn't happened and the class continues to hold at between 60 and 70 each Wednesday

night. With the continued interest, it's expected to continue until mid-May.

Head man and chief instructor is Vince Mazza, former all star lineman with the Detroit Lions and Hamilton Tiger Cats football teams. Vince lives in Hamilton and commutes for each session. The session starts out with a warm-up period of jogging, followed by calisthenics, basketball, and volleyball plus other means of torture that Vince might come up with. In addition to the physical benefits involved, it's a lot of fun with some good natured banter plus lots of fellowship.



*Could be Fraser Brennan is practicing for the cancan, or maybe he just stuck his finger in an electrical outlet. Whatever he's up to, it'll do something for his winter-weary muscles.*



*Johnny Boggio (left) and Johnny Vitor doing some strange exercise that involves flexing the arms and bending at the middle. No it couldn't be! Do you think there's a possibility that they've got push-ups confused with bend-ups? Sorry fellows, must have been the last exercise of the evening.*



*Firmly in the grasp of an unidentified assailant, old ball-head-man is about to be tossed the length of the basketball court. Happy landings b-h-m.*



*This year's winner of the Froid-Stobie bonspiel was the Wally Skwarek rink. Team members, (from left), are Earl Lewis, Fred Hicks, Wally Skwarek and Gerry Chartrand.*



*This Froid foursome are having a pre-game strategy session. Team members (from left) are slope leader Bill Irving, plate worker Stew Dickson, driller Bob Whissell and pillar leader Joe McLaughlin.*



*Froid dispatcher Nancy McFarlane was voted prettiest girl curler at the 'spiel. She was the only girl competitor, and her fine form on the ice turned many heads.*

## Rockin' with

If the success of a curling bonspiel could be rated in terms of sore backs, blistered hands and aching legs, then it's assured that everyone had fun at the Froid-Stobie Athletic Association's annual bonspiel and dinner held at the Copper Cliff curling club. The real results probably weren't felt until the following morning; but that's to be expected when non-curlers try their hand at tossing rocks that belong on ice and not underground.

Twenty-four rinks battled for the various prizes donated by Sudbury area businesses. The winners were determined on a point basis, so each rink was guaranteed at least three games.

Wally Skwarek's rink won top honors and received the Peter Stewart Memorial Trophy, individual trophies and handsome leather flight bags. Wally is a slope leader at Froid, and the other team members were Gerry Chartrand, Stobie en-





Bob Kerr (left), and "Scotty" Hunter, presented Eldred Dickie, the association's past president, with a token of their appreciation for Eldred's past contributions.

# Frood-Stobie

gineering, stope leader Earl Lewis and driller Fred Hicks, both from Frood.

The Andy Chop rink swept their way to a second place finish. Andy is a Frood operating shaft boss, and his teammates were Stobie maintenance mechanic Bill McKnight, Frood machine shop mechanic Dave Cranston, and retired Frood plumber Sam Samaniuk.

Third place was secured by a Stobie foursome consisting of maintenance mechanic George Morin, maintenance foreman John Killah, garage mechanic Tom Whiteside and welder Gerry Ross.

Prizes for the competitors weren't the only presentations made Saturday night. Eldred Dickie received quite a pleasant surprise when Frood mine foreman Bob Kerr and Frood driller Peter "Scotty" Hunter gave Eldred two wall hangings from the "homeland" to commemorate his recent retirement.



Stobie maintenance mechanic Luke Bellemare applies a slight in-turn as he delivers his rock, but is Luke's expression one of confidence, or is it a grimace?



Dick Williams, Frood engineering, drew names from his hat to select the many winners of consolation prizes offered at the bonspiel that attracted 24 rinks.

# the Inco cup



## "the championship route"

"The championship route" was the slogan chosen when Inco Cup skiing, the Northern Ontario Ski Division's junior and juvenile championships, began early this year.

For two northern Ontario junior skiers, the championship route leads directly to famous Whistler Mountain in British Columbia, where this summer they'll attend a ski camp.

The trip was the surprise spoil of victory for Heather Hurst, of Larder

Lake, and Mike Fournier, of Sudbury, who won the girls' and boys' 1974 junior titles respectively.

Instructors at the ten-day July camp include Al Raine, former national team coach — and husband of world champion Nancy Greene — and Toni Sailer, the camp's director and head of all Austrian ski teams.

The Inco Cup champions were honored April 27 in North Bay at a Ski Division dinner meeting. Besides

Heather and Mike, other trophy winners were the Nickel Teen Ski Club of Sudbury, the overall team champions, and John Simic, of Sudbury, the boys' juvenile winner. The trophies were presented by Ron Taylor, Inco's Ontario division president, while Bill Walker, the company's TV and radio commercial voice and well-known television personality, was master of ceremonies for the after-dinner entertainment. It was a fitting climax to more than two months of competitive racing.



**J**OHN SIMIC is 15, a Grade 9 student at the French-language Ecole Secondaire Franco-Jeunesse in Sudbury, and by reason of an early-1974 birthday eligible for juvenile class skiing at the Inco Cup. The 1974 juvenile boys' champion, John has his hopes set on a national ski team selection.

A member of the Nickel Teen Ski Club, John is accustomed to winning. At the age of 12, he placed in the top 20 speed swimmers in Canada, and he has been northern Ontario's tennis champion three times. "Just to keep in shape," John says, "I'm going back to speed swimming now that skiing is over."

Sixteen-year-old sister Rosemarie also was well-known around the Inco Cup circuit. Encouragement for the two promising skiers comes from dad Anthony, an employee of Falconbridge Nickel Mines, Ltd.



**M**IKE FOURNIER is 18, a Grade 11 student at Lockerby Composite High School in Sudbury, 1974 junior boys' champion, and he has his sights set on professional skiing.

Also a member of the Nickel Teen Ski Club and an active skier since age 7, he hopes to be ready for the pro racing circuit by 1977.

Mike is the only boy in a family of seven — his sisters range in age from 20 to 12 — and only one other member of the family, 13-year-old Meg, joins him on the slopes. Presiding over the active family are mom Adele and dad Bill, a services foreman at Copper Cliff South mine.

A well-rounded athlete, Mike also participates on the track team at high school, and likes water skiing in the warmer weather.



**H**EATHER HURST is 14, a Grade 9 student at Kirkland Lake Collegiate and Vocational Institute. She is also the junior and juvenile girls' champion in 1974 Inco Cup skiing.

Heather belongs to the 60-member Larder Ski Club, based in her home town of Larder Lake, 17 miles east of Kirkland Lake.

The Larder club sent the smallest delegation to the 1974 races — just Heather and her 13-year-old sister Tracy. The other Hursts are brother Jimmy, mom Pat and dad Jim, a mining inspector for the government of Ontario.

Heather has been skiing since age 2, and also participates in golf at Kirkland Lake.

# Logo writer

Well now readers, you've had the chance to study and characterize the "hands" of four "triangle" logo writers since the first of the year, and here's your chance to analyze the fifth. Take a look at the logo, and then a look at the man, and then try an educated guess at his occupation.

Not so easy? Well, here are a couple of clues. His name is Ken Robb and he works at Inco's J. Roy Gordon Research Laboratory at Sheridan Park near Toronto. Got it yet?

OK, more clues. Ken worked for the company at Copper Cliff from 1935 till 1966, first in the mill and then in the research laboratory. He was their librarian and compiler of Inco's publication "Library Abstracts".

Ken is supervisor, information services, and as such is responsible for the lab's library, Inco's "Abstract Bulletin" (a new name for "Library Abstracts"), and research records.

Born in Vancouver, Ken was six when his family moved to Copper Cliff where his father became pastor at the Copper Cliff United Church.

Grandparents to 11, and parents of seven, Ken and his wife Irma live in Mississauga. Their son Ron is an electrician at Copper Cliff North mine.



*Ken Robb — as well known in the North as he is in the South.*