The Triangle

MARCH 1974

The Triangle

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On the cover . . .

Nearly obscured in an explosion of snow, 15-year-old Marvin Cretzman of the Lively-Creighton Junior Ski Club crests a ridge at high speed.

A leading contender in current Inco Cub competition, Marvin has won seven medals — two gold, two silver, and three bronze — at the event's past four meets. He'll probably add more to his collection during the final meet at Ruyon on March 2 and 3.

He is the son of Copper Cliff warehouse superintendent Ed Cretzman. An excellent stop-action shot, the picture was taken by Sudbury freelance photographer Kit Orfankos who took his camera and not his skiis to the Inco Cup races.

This month's logo was penned by a miner — see his story.

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Help!

Gentlemen and a General Office, 1891. Where was it?

A summary of what "the triangle" files reveal about this photo is very brief: It was taken in February of 1891, and it shows what is obviously a general office building. It's in our files, so it probably shows a property belonging to one of the seven interests that were merged to form International Nickel Company in 1902. We're sure, however, that somewhere out there, among the readers of "the triangle", there's someone who can identify the building and it's location.

There may even be a duplicate picture in someone's family album. There are, after all, eight men pictured who would have some reason to gather for the photo, and who may have taken home a print.

We hope that whoever has the clue we need will take the time to drop us a line.

Appointments

George Nowlan, manager, iron ore recovery plant.

Hugh Judges, division planner.

Jack Noonan, operations superintendent, iron ore recovery plant.

George Brake, superintendent, converter department, Copper Cliff smelter.

Tom Antonioni, superintendent, furnace department, Copper Cliff smelter.

Ed Cretzman, superintendent, warehousing.

Ernie Emblin, general foreman, warehousing.

Nick Palandra, capital purchasing co-ordinator, warehousing.

Joe Harris, supervisor of operations in the power section of the utilities department.

George Reed, mine engineer, Crean Hill mine.

Randal Cave, manager of computer systems.

David Browne, area geologist, Garson - Kirkwood.

Family Album

The Lennies have their home at Morgan's Point on Lake Erie. John Lennie is a carpenter shop foreman at the Port Colborne refinery. With him are his wife Joan, Tracey, 12, Johnny, 10, and Avril, 15.

Joe Rennehan has every right to that happy smile — he's obviously a proud papa, and with good reasons, all pictured here. On the left is Jay, 13, Lannie, 15, Joey, 10 and their mother Felicia. An Inco man since 1959 Joe works at Creighton and lives at Naughton.

Frank Stone started at the Copper Cliff smelter in 1970 and is a labour boss in the converter building. Here he is with his wife Elene holding 5-month-old Cindy and Connie who is five, on her daddy's knee. Mrs. Stone was raised in Barrie and Frank in the Wasaga Beach area.

This is the Monette family of Azilda. Seated in front with Alfred and his wife Aurore is 10-year old Guy. Seated next to him is Marc, 17, and standing are Joanne, 14, and Lise, 12. Alf is a construction leader at the Copper Cliff North mine.

Fl·wer P·wer

Officially opening Inco's new greenhouse at Copper Cliff, Mrs. Swea Kainola, president of the Sudbury and District Horticultural Society, cuts a cedar rope with the help of Ron Taylor, (centre), Ontario division president, and Inco agriculturist Tom Peters.

When the agriculture department started work on its new greenhouses on School Lane in Copper Cliff, they must have designed a "late-bloomer".

The greenhouses were officially opened on St. Valentine's Day, February 14, and their construction was reported in the January "triangle" even though new tenants first assumed residence in mid-November.

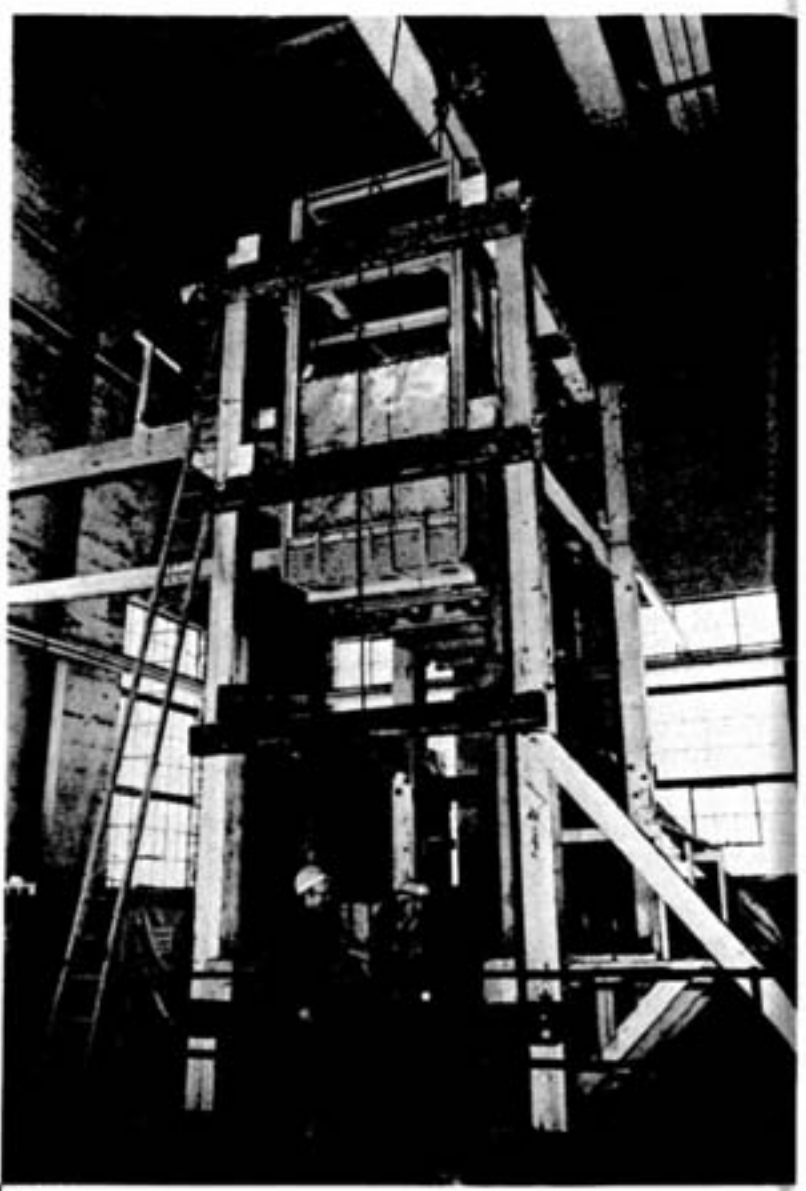
The new buildings, more than tripling the amount of greenhouse space available to the agriculture department, will serve two purposes. They will house tropical plants for use in displays, and temperate plants, for use indoors and out, as well as provide space for agricultural research, such as studies of effects of chemicals on growth on tailings and germination of legumes for use in land reclamation.

Northern Life assistant editor Dorothy Wigmore and Inco's grounds supervisor Don Young with a red amaryllis, one of the hundreds of blooms on display to the many invited guests representing municipal governments, horticultural societies, and the media.

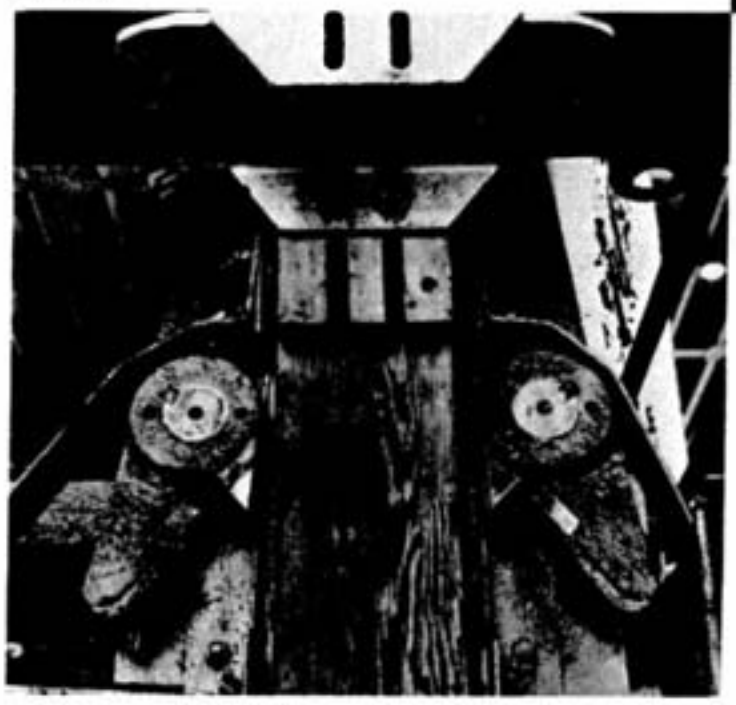
Inside: *A pleasant 75 degrees Fahrenheit with the summer scent of blossoms and blooms in the air. Watering some of his charges in one corner of Inco's new $40,000 greenhouse at Copper Cliff —agriculture foreman Alex Gray.*

Outside: *A nippy sub-zero but sunny day with winter's mantle of snow and the first day of spring still a frosty five weeks away. The two gutter-connected greenhouses on School Lane each measure 32 feet by 40 feet.*

DROP



The cage in position, poised for the drop. General foreman Bert Blackwell and rigger boss Bob Nelson discuss final details. Bob is holding the long rope which is used to pull the releasing device and permit the cage to fall.

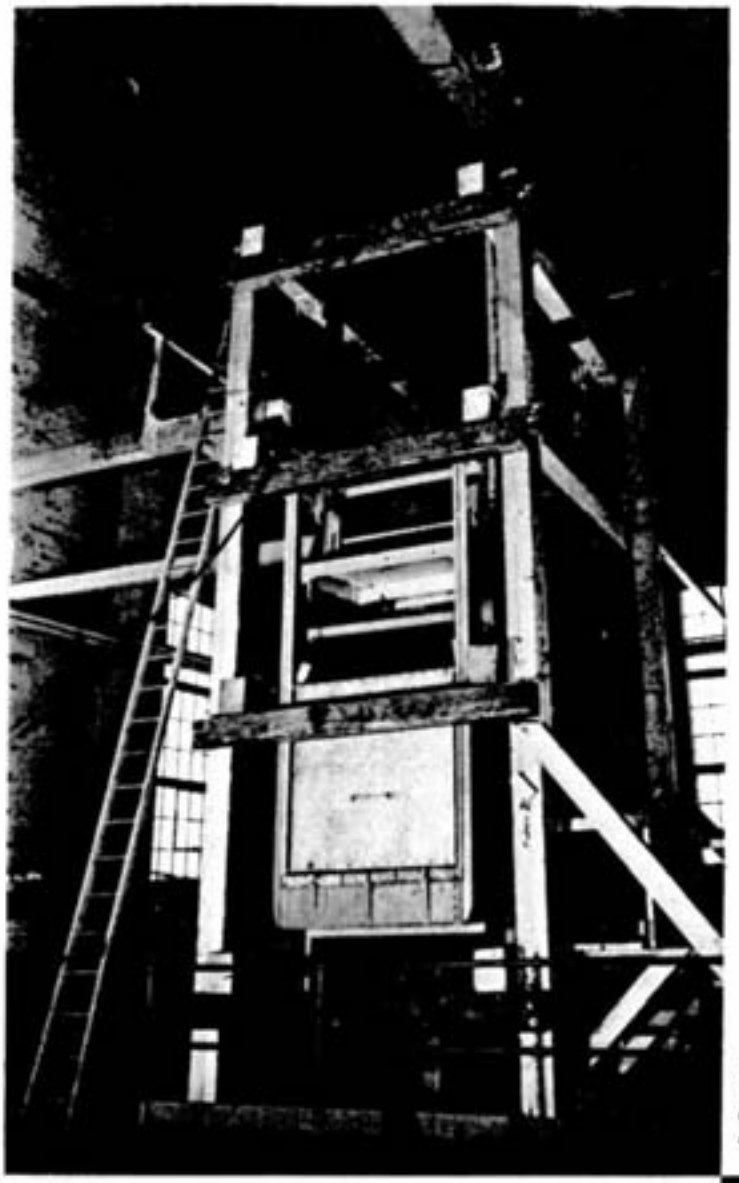


Here are the "dogs" in repose, the position they maintain normally. When released by a slack rope the teeth spring inwards and bite into the guide (the wooden section) and bring the cage to a safe stop.

All cages — the conveyances used to carry men and materials between surface and the various levels of a mine — at Inco's mines are equipped with safety "dogs" as a precaution against the remote possibility of a hoisting accident. Each safety "dog" mechanism is tested regularly to ensure it will perform if called on to do so.

This test is usually conducted in the shaft, above surface and the cage drops only a matter of inches in order to release the safety "dogs".

For the benefit of readers not familiar with mining, the safety "dog" assembly is a mechanism atop the cage that controls, under tension, four sets of "dogs", one set to each of the four shaft guides. Any sudden slack in the hoist rope releases that tension and the dogs bite into the guides and stop the cage from dropping.



Released, the cage has reached maximum speed in nine feet, and the safety dogs are just biting into the guides. That steel shaft across the top of the cage above the door supports and activates the "dogs".

TEST

Keith Henderson, left, superintendent of Crean Hill mine, and Creighton maintenance superintendent Fern Roberts, await the moment of release. The cage being tested is to be installed at Crean Hill mine, hence Keith's concern.

When modifications to the safety "dog" assembly or any change or new installation is made, however, that cage and equipment must be "drop tested" before the Ministry of Natural Resources will issue a permit to operate that cage.

In such instances, tests are conducted in a special area of Creighton 5 shaft hoistroom where a 40-foot section of standard shaft cage compartment is erected. The cage shown on these three pages is destined for Crean Hill mine.

The cage, equipped with the safety "dog" mechanism and loaded with steel rails to the weight of the maximum load it will carry, was installed between the four guides in the compartment and hoisted by crane to the top of the structure.

When all was ready a tripping device, activated by pulling on a long rope a safe distance from the cage, released the cage in a "free fall" with the safety "dog" mechanism

Drop test

momentarily blocked until the cage reached the maximum speed of 1500 feet per minute. At that point, some nine feet and a fraction of a second after release, the obstruction to the safety dog mechanism was removed and what happens then was almost too quick for the eye, or camera to catch.

In a split second all eight dogs took hold and bit deep into the four B.C. fir guides, and in a distance of some five feet, brought the fully loaded cage to a complete stop. In normal operating conditions of course, the dogs would be released immediately regardless of speed, as soon as the hoist rope tension was relaxed.

The "dogs" are attached to both ends of steel shafts across the top of the cage and these in turn are connected to the spring mechanism that is attached to the hoisting rope via the cage suspension sling.

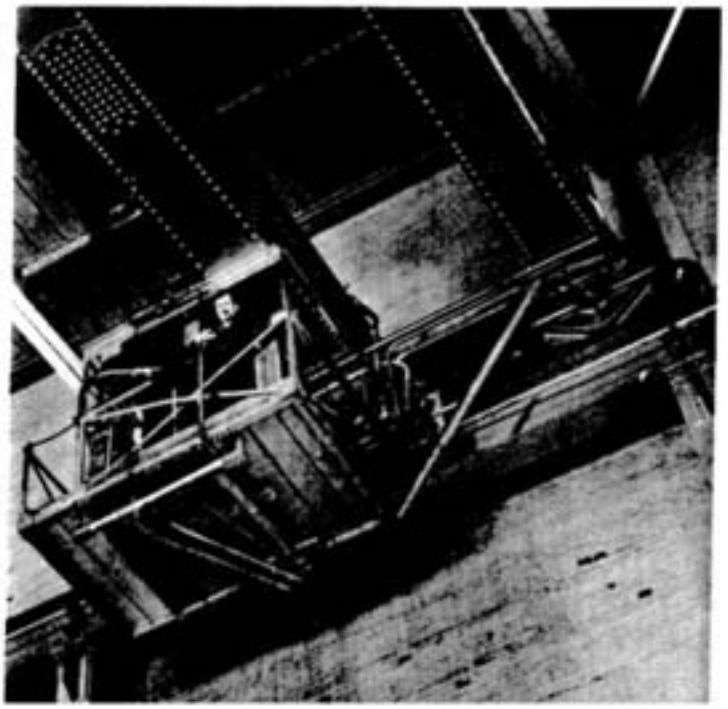
In normal operations the "dogs" ride smoothly up and down with the cage, just clear of the shaft guides, and are held in that position by tension on the safety dog mechanism. If by same remote chance the hoisting rope should suddenly go slack, the lack of tension would immediately trigger the mechanism to release the dogs which turn inward and bite deeply into two edges of all four guides, stopping the cage.

Regular daily and weekly inspections of all hoisting ropes along with periodic tensile strength tests are carried out at all Inco mines and ensure that the hoisting ropes are maintained with the tremendous safety factor required. Safety dogs, while mandatory, are unlikely to be required, however, with safety in mind, even the real long odds are covered.

This is what happens when the dogs are released. Maintenance foreman Floyd Kennedy examines one of the four pairs on each cage. Note how deeply they bit into the guide. In this test the cage stopped in 4.85 feet.

Maintenance mechanics Marcel Cayen and Graham Wilson place rails inside the cage equal to the weight of a cage load of men. Total weight of conveyance and passengers could be nearly 11 tons.

Perched high above the proceedings, Saul Sherbanuk operates the crane that raises and lowers the cage as required. His steady hand and experienced eye result in a perfect drop.



A Ukrainian Easter Festival, while maintaining the impact of their art and music, can involve more than those of Ukrainian descent.

Canada's third largest concentration of Ukrainian residents — the 8,500 in Regional Sudbury — will mark the Easter season with a festival at the Sudbury Museum and Arts Centre on March 26, 27 and 28.

One of the events planned is a children's puppet show to be presented each afternoon of the festival, once in each of the English, French and Ukrainian languages.

Naturally, the Ukrainian culture will dominate the festival. A display by Ukrainian-American artist Yaroslava Surmach Mills will be open to the public through the afternoon and evening of each festival day. At evening receptions the first two days of the festival, Mrs. Mills will narrate slide shows on two aspects of her work: Glass painting and children's book illustrations. A number of her greeting card designs will also be on display.

Preceding the slide show each evening is a performance of Ukrainian songs and dances by talented groups of students from the city's Ukrainology study classes. They will also display the famous Ukrainian artistry of colourful Easter eggs and embroidery.

On display throughout the Ukrainian Easter Festival will be the work of Ukrainian-American artist Yaroslava Surmach Mills, illustrator of one edition of the book on which the daily puppet show is based and noted for her glass-painting and greeting card designs, like these two.

Ukrainian Easter Festival

March 26, 27 & 28

These bandurists, part of a group of Ukrainology students who will accompany Ukrainian folk dancers throughout for the coming Easter festival, are (from left to right) Stephen Rapundalo, son of Copper Cliff mill employee Nick Rapundalo; Dorothy Pawluch, daughter of copper refinery sampler Ted Pawluch; Wendy Stefura; Bill Woloszczuk, son of Frood motorman Steve Woloszczuk; and Irene Kuchtaruk, daughter of Copper Cliff South mine hoistman Mike Kuchtaruk.

Ukrainian

Finishing touches on an embroidery display are discussed by Valentina Bowschar, (left), and her instructor in the artform, Iwanna Kosarchyn. The display will be open to the public each day of the festival at the Museum and Arts Centre.

Puppet show characters have taken shape in their hands, and Lucie Gauthier (left), Michelle Beaudry and Guy Bonhomme apply the first coat of paint. The trio are Grade 5 and 6 students at St. Denis school in Sudbury.

A paint job just started, and already Kim Thibault (centre), son of engineering employee Rene Thibault, is getting advice from the cast. Sylvie Lamoureux (left) and Jean Beaudry will supply voice and motion for the puppets.

Three golden pastries completed, Emilia Stefura starts to work on another confection for the Easter Festival evening receptions. Wife of the late Alex Stefura, who worked at the Copper Cliff smelter, Emilia is one of many bakers providing the Ukrainian "tancies".

Time out for talk, but who's doing the talking? Gisele Hebert is a Grade 3 student at Ecole St. Denis, and her class will provide the voice and action for sock puppets, like this one made by Louise Paquette, of Grade 5, at the Easter festival.

The Ukrainian Easter Festival is a joint effort of local students of Ukrainology and the Museum and Arts Centre Women's Committee, whose treasurer, Sheila Lee, here discusses plans with Eric Woodward, Musac's director of cultural affairs.

Festival

The "Hutzulka" is a Ukrainian mountaineer's dance from the southern Carpathian Region. Performing it at the festival are (clockwise, from noon) Susan Kruk, daughter of painter Mike Kruk; Sonia Kinach; Sonia Behun, daughter of plateworker Paul Behun; Debbie Kruk; Lesia Hawryszczyszyn, daughter of North mine driller Nick Hawryszczyszyn; Rosanne Panas, daughter of Stobie shaft pipeman Paul Panas; Joanne Kolomyic, daughter of maintenance mechanic Mike Kolomyic; and Marcia Maluha, daughter of Stobie construction leader Julian Maluha.

Safety champs!

An elated group at the Copper Cliff North mine take delivery of the All Mines safety trophy. At left are Beaver Leclair, drill fitter; Eric Ashick, mine foreman; Ed Turcotte of the engineering office; Pat Niro, utility vehicle operator; and Wayne Derrah, drift driller. Shining the prize is Blackie Goudreau, diesel loaderman; and on the right Ed Laurin, surface foreman; Hector Poulin, motorman; mine superintendent Grant Bertrim, and Walter Sokoloskie, mine foreman.

Copper Cliff North & Transportation

The transportation department claimed the All Plants safety trophy and moved it in high style. Ready to move it into transportation department headquarters are (from left) transportation and matte processing safety supervisor George Morbin; Roy North, jitney driver; Wes McNeice, superintendent of transportation operations; Jose Novoa, trackman; George Riopel, slagdump leader; Joe Vitiello, trainman; and Doug Christinik of the surface group.

Last year's All Mines and All Plant safety award winners have played turn-about with the 1973 awards.

Grant Bertrim, superintendent of Copper Cliff North mine, predicted the switch last year after being edged out of the 1972 trophy presentation by Kirkwood mine. In a congratulatory letter to Kirkwood superintendent Arnold Bennett, Grant also advised Kirkwood to enjoy the trophy during the year, because they wouldn't have it for 1973.

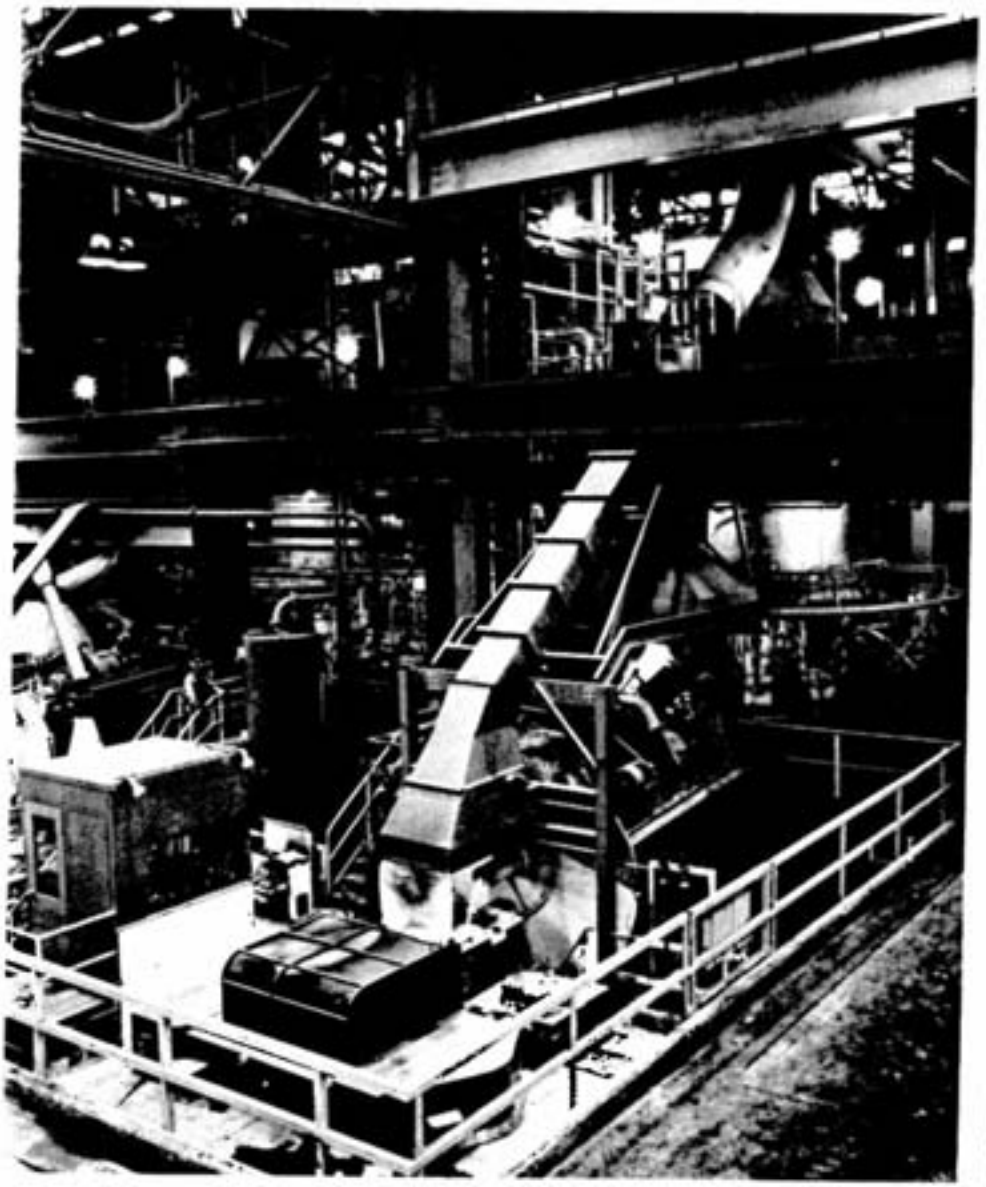
This year, North mine edged out Kirkwood for the impressive, hand-carved wooden trophy.

Transportation and traffic copped the All Plants award in their second attempt for the trophy. The smelter complex won the award as a whole in 1971, but statistics for later awards have been compiled according to individual areas within the complex.

The iron ore recovery plant, which has won the trophy three of the five years it has been up for competition, was second in 1973. Compiled over a 12-month period results are based on reported injuries, medical aid injuries, compensable injuries and cost, all per million man-hours of work.

Semi-continuous casting

Continuing a drive to upgrade copper quality and acquire more modern copper casting facilities, International Nickel recently brought into operation a semi-continuous casting system for production of large vertically-cast cakes and billets at the Copper Cliff copper refinery.



The new semi-continuous casting system at the copper refinery includes a vertical furnace, a holding furnace, ladle and mould, and a circular pit 60 feet deep to handle copper slabs up to 27 feet in length.

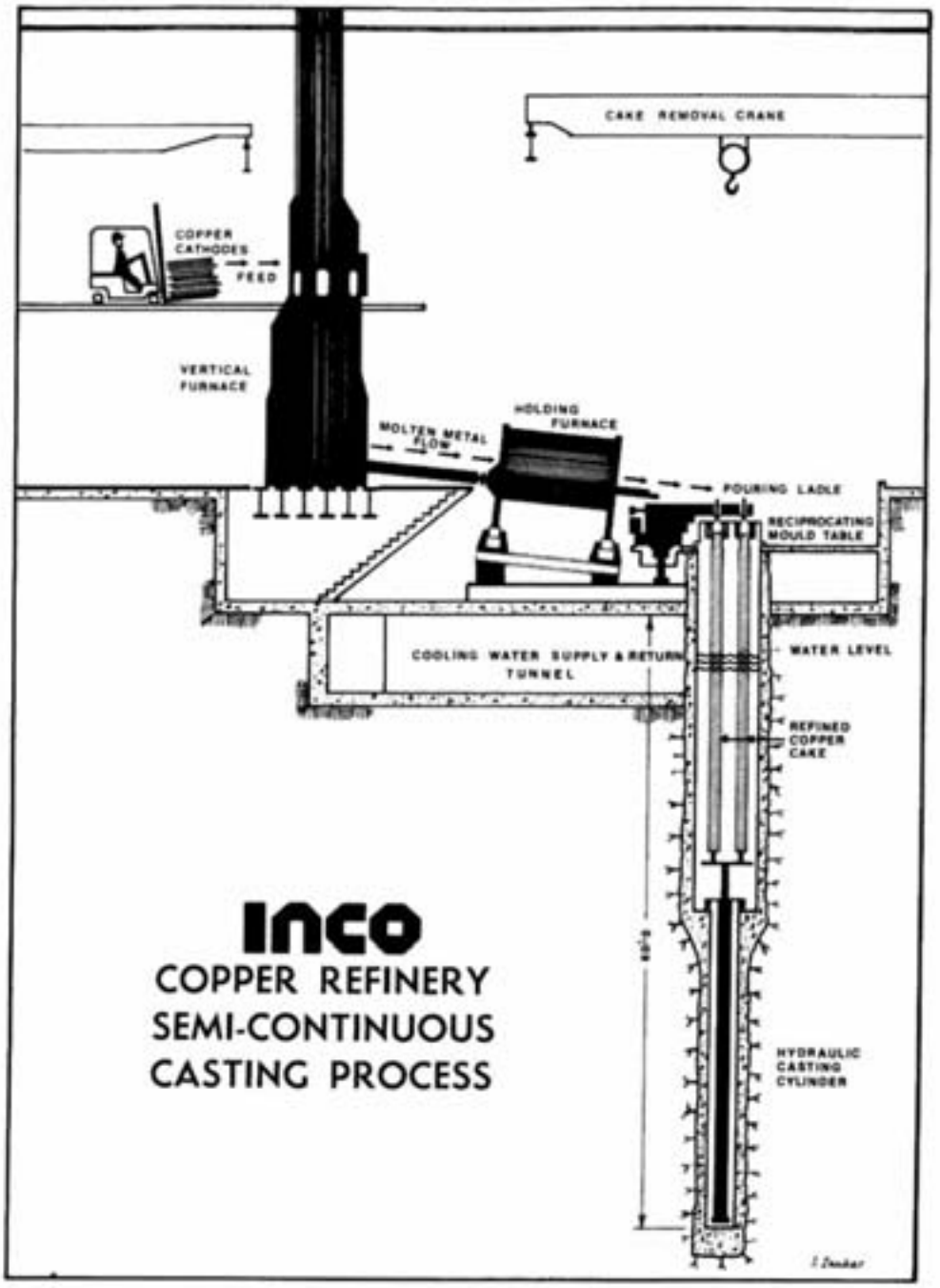
Semi-continuous casting, recently introduced at the Copper Cliff copper refinery, enables International Nickel to meet the increasing demands of the fabricating industry for larger electrolyic and phosphorus deoxidized copper slabs and billets, and provide advantages of improved product, improved production efficiency and costs, improved working conditions, and reduced effect on the atmosphere.

The new semi-continuous casting system includes a medium size vertical furnace, a holding furnace, ladle and mould, and a circular pit deep enough to hold a hydraulic cylinder for pouring and withdrawing 25 foot long castings which are removed by crane.

The melting unit, the vertical furnace provides high melting rates, lower melting costs and rapid start-up and shutdown capabilities. This furnace is silicon carbide lined with an internal diameter of 5 foot 7 inches and a column height of 15 foot 9 inches. Throughput capacity is approximately 20 tons per hour and the furnace is fired by natural gas with a heat capability of 35 million Btu per hour.

The molten copper flows from the vertical furnace to an enclosed gas-fired holding furnace of 15 ton capacity. Heat in the holding furnace is 3.5 to 4 million Btu per hour. This furnace, mounted on trunnions, has an off-centre pouring spout to control flow of molten copper into an intermediate ladle feeding the mould.

The mould consists of an 18-inch deep stainless steel shell into which are



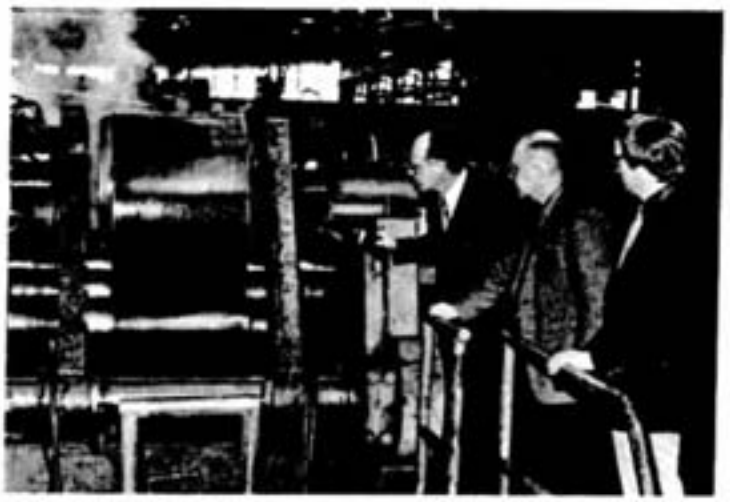
Semi-continuous casting

bolted graphite blocks with an 8-inch by 24½-inch cavity machined to conform to product size. It is equipped with a brass water manifold at the bottom. The graphite liner is tapered to provide maximum metal contact and most efficient heat transfer as the copper cools and contracts.

As molten metal is fed into the mould, it solidifies onto a starting block and the solid product is lowered uniformly into the casting pit by the hydraulic arrangement. The casting pit is deep enough to accomodate the piston of the hydraulic mechanism in the fully retracted position. A 36-inch diameter hole 61 feet deep in solid rock was required. This job was done using a mine raise boring machine which bored a small pilot hole 90 feet and then reamed downwards to a depth of 61 feet. The use of a raise boring machine in co-operation with Inco's mines department for this application is believed to be unique.

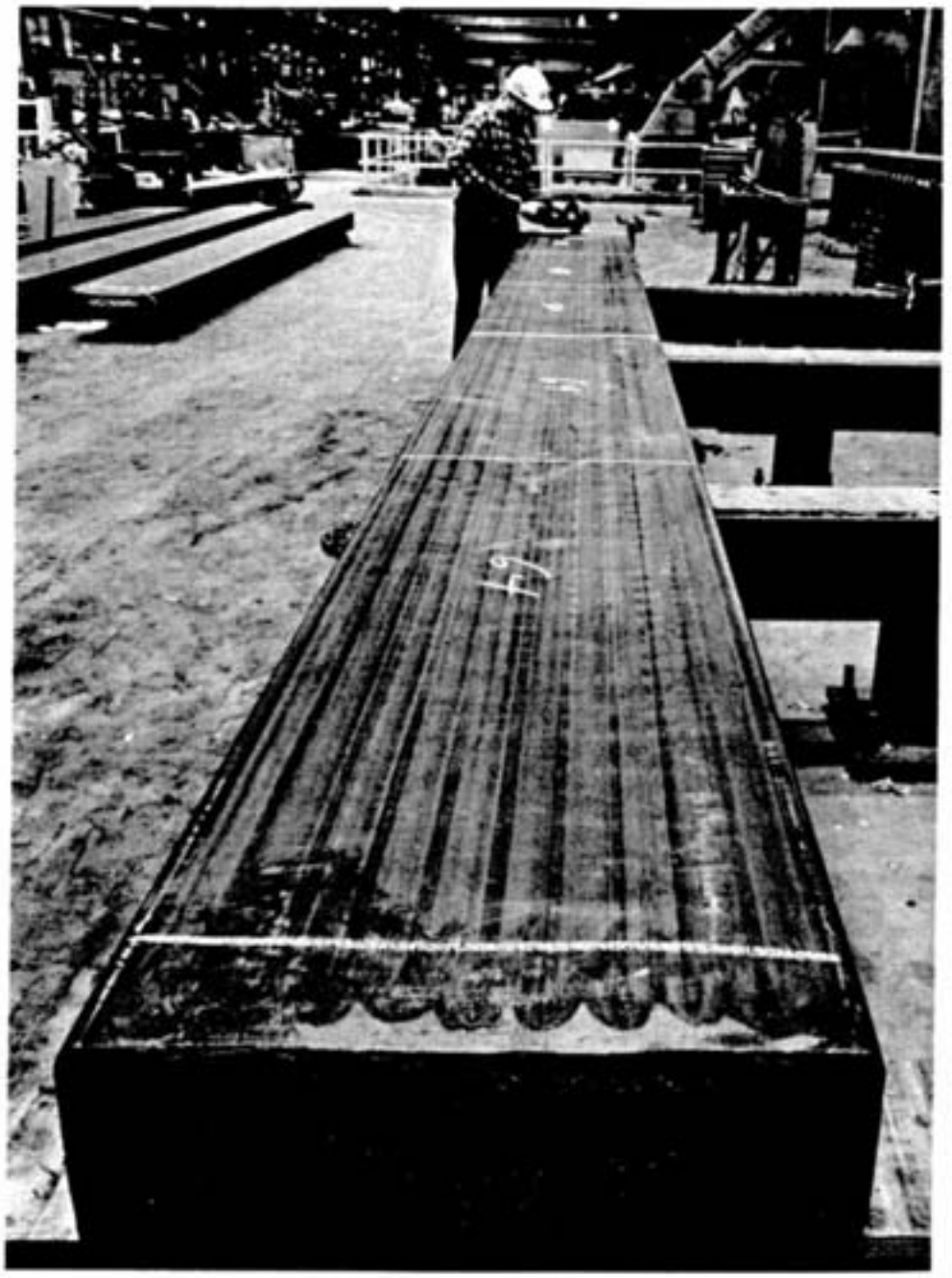
Cooling water circulated through the mould is sprayed on the casting as it drops below the mould. Water circulation through a single mould is about 2,300 U.S. gpm. A carriage riding on rails supports the mould and the assembly is rolled back to give access to the casting pit and the cast product after pouring is complete.

After the slab is poured, the ladle and mould are rotated out of the pit area and



Anaconda Canada, Ltd. purchases copper billets and cakes from Inco. Watching their handling of a rolled copper coil are Wayne Wilson, supervisor of process "tech" at the Copper Cliff copper refinery, Bob Brown, CCCR production planner, and George Pataracchia, Anaconda production manager.

The pour completed, the mould is swung aside, and the newly cast copper slab raised by a hydraulic cylinder in the cooling pit. A crane then takes over.



Fresh from the casting pit, this mammoth vertically cast 8 inch by 24½ inch by 25-foot copper slab tips the scales at nearly nine tons. Marked and ready for cutting, the slab is receiving the close attentions of Copper Cliff copper refinery inspector Frank Vetoretti.

the hydraulic cylinder carriage ejects the cast product upwards for removal by a 25 ton crane for inspection and cutting into suitable lengths.

Semi-continuous casting produces a electrolytic tough pitch copper slab of 8" by 24-½" cross-section weighing about sixty pounds per inch of length or about nine tons for 25 foot length. With this shape, casting speeds in the order of 10 to 12 inches per minute have been achieved. Initial shipments of lengths of this slab to Anaconda Canada Ltd. in Toronto have met with ready customer acceptance and no physical or fabrication difficulties have been reported.

Doggie

His master's voice; but which one is it? It's a real doggie dilemma for the 10 top-class canines pictured on these two pages.

There they were, waiting patiently at the dog show while their picture was snapped, but then, somehow, their master wandered off. At least, his picture, taken at the third annual Sudbury and District Kennel Club all-breed sanction match, was separated from his best friend's.

Now, they want to get together again. But they need your help.

If you need help yourself, simply turn "the triangle" upside down and read the matches made in the right corner of these two pages. The answers are upside down to foil the few curs there may be lurking in the reading audience. Good hunting.

Dilemma

1-G: Champion collie "Robin" is owned by Garson employee Gil Prevost; 2-J: "Melissa", a Samoyed pup, owned by Wendy and Richard Paquette, of Coleman mine; 3-E: Doberman Pinscher "Baron" belongs to Monty and Andy Johnstone of mines technical services; 4-H: "Oscar" the Saint Bernard is owned by Robin Reid; 5-K: West Highland white terriers were shown by "Noonie" Frame; 6-D: Marlys and Ray Ferguson, of Kirkwood mine, own "Kim", a miniature poodle; 7-F: "Bonnie", a Chesapeake Bay Retriever owned by Don Milne of Copper Cliff South mine; 8-A: "Buttons" and "Gretchen", miniature Schnauzers owned by John Kozlich of mines exploration; 9-B: "Taz", a champion Afghan hound owned by Phyllis and Joe Pancell, of industrial engineering; 10-C: "Beau", another Chesapeake, shown by Dan Mick.

SUGGESTIONS

Albert Ouellet and the universal water connector for drills that he suggested. The saving was considerable and his award was $1,235.

In the most recent list of suggestion award winners the mines held the top spot with **Albert Ouellet** taking most of the cash.

Albert runs the drill shop at Copper Cliff North mine and three of his suggestions have come up winners. The universal type of water connector for all drills (there were eight previously) that he proposed netted him $1,235 and he received another $225 for a method of making water tube gaskets in the shop for a fraction of the previous cost. He also won $75 for suggesting an alternative use of drill handles.

At Frood's drill repair shop **Aurel Larose** and **John Beange** teamed up on a modification and an improvement to the centralizer bracket for drills on a three-boom jumbo. That idea was worth $630.

Stobie garage mechanic inspector **Leo Plante** earned $465 with his proposal for a protective plate for an L.H.D. oil pan to protect it from damaged universal joints.

Former operating shaft boss at Garson, **Albert Morin,** now retired, had suggested an improved method of slinging long timber under the cage. This proved succesful and Albert is $255 richer.

Other award winners were **Lucien Gladu,** of the Copper Cliff mill, who picked up $150 for his basic suggestion to reverse the denver cell partition plates to extend their life; **Ed Godin,** Stobie mine, $140 for his proposed plate arrangement for a Trojan 2000 bucket; **John Trites,** Clarabelle mill, $110 for an improvement to screen caps; **Louis Labelle** of Levack, $65 for his revised chute at the Symons crusher; **Don Cucksey,** Copper Cliff North mine, $55 for proposing a pump and filter at fuel stations; **Hans Derner,** copper refinery, $50 for suggesting automatic poling fan damper controls.

Doug Teddy of Clarabelle mill picked up $45 for suggesting that outdoor lights be turned off in daytime; **Ed Grace,** copper refinery, received $35 for proposing a guard on furnace control

Leo Plante and his L.H.D. oil pan protector. He received $465.

Lucien Gladu and the cell plate that earned him $150.

Aurel Larose (left), and John Beange with the centralizer bracket for drills that they developed. Their idea netted $630.

button. **Kazim Kulczycki** also of the copper refinery, $35 for an improved method of securing tankhouse water outlets; **Dan Kelly** of Levack won $30 for suggesting a change in warehouse loading and **Andy Pilon** of Copper Cliff North mine also won $30 for suggesting additional warning lights for motormen.

In the $25 award range were five copper refinery men; **Don Leblanc,** for improved safety at the vertical furnace crane; **Con Kelly,** for an alarm system for agitators; **Peter Knoblauch,** warning signs at refinery crossing; **Frank Budzak,** a more effective tankhouse crane horn, and **Pat Kelly,** a suggestion on safety signs. At the iron ore plant **Leland Blais** also won $25 for suggesting an improved cleanout on classifers.

Ringing the cash register for $20 were **William Lang** of Copper Cliff North mine, improved method of mounting Remco drills, and five similar size awards to the copper refinery. **Gary Constantineau,** flashing red lights in truck doorway; **Leo Vincent,** platform and ladder in area 3; **Gord McCandless,** conveyor guards; **Don Morrison** and **Ernest Obray,** warning signs when pumping slimes, and **Gabriel Prevost,** who suggested a protective shield during sampling.

In the $15 award category were Little Stobie's **Ed Giroux** for suggesting that mine garages stock certain tools; and from Clarabelle mill were; **Anthony Carey,** additional skirting at conveyors; **John Sloboda,** skirt boards at ore belts; **Eldon Madill,** use of disinfectants in changehouses, and **Robert Henry,** additional stop cords on conveyors.

And picking up $10 for their suggestions were Garson's **Leo Brosseau,** (two awards), phone at sand plant and stop-and-drain valve for sand plant water line; **Jacques Roy,** also of Garson, for an improvement to the reverse lever on diesel locomotives; **Rene Lascelle,** Levack, alterations to step in locomotive pit garage; **Michael Luck,** Clarabelle mill, close opening near discharge chute. and **Ron MacDonald** of Copper Cliff mill, for proposing an adjustable air horn for the belt room.

Albert Morin and the clevis that permits a more efficient way of slinging long timber under the cage. A pensioner now, he earned $255.

UNLIMITED

The scene during reduction plant first aid competition for the D. Finlayson Trophy. In action is the Copper Cliff nickel refinery team of Art McDonald (captain), Alex Pilon, Chester Wheaton, Wayne Sawyer and John Guilbeault. Judges were Lionel Demers and Bill Koivu.

D. Finlayson Trophy

The Finlayson Trophy, named for former smelter superintendent Dunc Finlayson and annually awarded to the top first aid team from the reduction plants, was contested Thursday, February 14. The Copper Cliff copper refinery team won the trophy.

Competing for the Finlayson trophy were teams from the Port Colborne and Copper Cliff nickel refineries, the Copper Cliff copper refinery, the iron ore recovery plant and two teams from the Copper Cliff smelter.

On Thursday, a simulated hit-and-run collision incapacitated two members of each five-man first aid squad. The five had been driving on the Timmins highway, 18 miles north of Levack, when a flat tire forced them to the side of the road. Their car was struck by another, which sped away, leaving the three remaining men to fend for themselves until the arrival of two men (the rest of the first aid team) in a pick up truck loaded with building materials. A radio-equipped police vehicle arrived five minutes before the end of the 25 minute exercise.

A member of the iron ore recovery plant first aid team, Marcel Poulin applies his skills to "casualty" Michael Waller.

Winners of the D. Finlayson Trophy, the Copper Cliff copper refinery team received their prize from Gord Machum (left) vice-president of smelting and refining. Examining the trophy with Gord are (l. to r.) Norm Dever (captain), Phil Gaudreault, Hubert Seguin, Chandu Morbia, Dunc White (coach) and Frank MacKinnon. They will meet the Copper Cliff mines complex team in competition for the Parker Shield on March 7.

The copper refinery team and compete Thursday, March 7, at Shield, emblematic of superior Division of International Nickel.

H. J. Mutz Trophy

The Mutz Trophy, named for former superintendent of mines, Herman Mutz, and presented to the top first aid team from the mines, was contested Tuesday, February 12. The Copper Cliff mines complex team won the trophy.

Teams competing for the Mutz trophy included Copper Cliff mines complex, Levack, Garson-Kirkwood mines and the Frood-Stobie and Creighton complexes.

The scene at the Inco Club, on Fir St. in Sudbury, for the Tuesday competition duplicated the interior of Copper Cliff's Stanley Stadium. Injuries to two players had resulted from a scramble, and the first aid team, acting as the trainer and his assistants, were called to apply their knowledge within the 25 minute time limit.

The slashing skate blades of the players had inflicted deep wounds on each other and treatment was complicated by their severe bleeding. One of the players had a head injury, and both were in shock with leg injuries.

the Copper Cliff mines' team will the Inco Club, for the R. D. Parker first aid skill within the Ontario

With players injured by a scramble at the goal mouth, the Frood-Stobie complex team of Ugo Crozzoli and Gord Evans (working in the foreground, watched by judge Ken Glynn), Bruno Serre, Dave Porteous and Ted Shipman (with judge Lionel Rochon) apply first aid.

Proceeding in their treatment of an injured hockey player are Charlie Chaperon (left) and Greg Smith of Garson mine.

Retired Clarabelle open pit superintendent Stan Dobson (left) came to watch the Copper Cliff mines complex team win the H. J. Mutz Trophy, and extend congratulations to coach Ron Tennant. Each team member (from left) Elmer Heikilla, Gary Patterson (captain), Brent Palmer, Bob Chasse and Tom Larmondin, received a sleeping bag as their prize, and the right to contest the R. D. Parker Shield on March 7.

Dow's last day

Dick Dow, with a long Inco career and long record of community involvement to his credit, retired recently from his position as administrative assistant at Copper Cliff.

A career of 38 years with International Nickel has ended for Dick Dow, but the two-decade interest in community affairs continues for the current alderman for Ward Eight.

An outspoken opponent of amalgamation, the former Copper Cliff mayor closed his office door for the last time recently after working his last day as administrative assistant at Copper Cliff, a post he held for 18 years.

He joined International Nickel at Frood mine in 1935, became superintendent of Lawson Quarry in 1950 and administrative assistant in 1955. His political career can be traced from his involvement at Willisville as Quarry superintendent, through his first election to Copper Cliff Town Council in 1957 and to the mayoralty in 1958. Beyond politics, he is a member of the boards of governors of Sudbury Memorial Hospital and Sudbury's Thorneloe College and holds many honorary memberships in community organizations.

Alec McCuaig, (left) Shebandowan's superintendent of administration, presented a $500 cheque to Phil Colosimo of the Thunder Bay Symphony Orchestra on behalf of International Nickel recently.

Thunder Bay boost

The Thunder Bay Symphony Orchestra has accepted a $500 donation from International Nickel.

Phil Colosimo, president of the Symphony, accepted the cheque from Alec McCuaig, administrative superintendent of the complex, 60 miles west of the Lakehead.

Alec congratulated the Orchestra on their valued contribution to Thunder Bay, and Phil Colosimo expressed the thanks of the Symphony for the donation, which will assist them in continuing their programs of music of interest to the community.

Stan Miller

Creighton's logo writer and safety star "par excellence"

Stan Miller's hands are more at home handling the rugged tools of mining rather than the felt-tip pen he used to write this month's "triangle" cover logo.

A mine foreman at Creighton 9 shaft with a beat on the 4000, 4200 and 4400 levels of the mine, Stan wasn't chosen for his writing ability; he was chosen because he has an ability that is far more rare — leadership and a knack of being able to instill confidence into the 26 men on his shift.

And it's paid off handsomely both for Inco and for Stan's crew.

They have an outstanding record of 14 months on the job with no medical aid injury. That's a total of nearly 65,000 safe man-hours!

How did they do it? Mining and milling safety superintendent Harvey Judges sums it up in a few words. "Stan is a consistent performer," he said. "his big thing is personal involvement and total commitment. In a nutshell — he's a good miner."

Ron Brown, Creighton area manager, had these thoughts. "Injuries and accidents happen when people are not safety conscious. Stan Miller obviously has his men in a safety conscious state of mind. In general terms, Stan is what every foreman should be — firm, fair and consistent."

Creighton mine general foreman, safety, Ron Witherell agrees with Harvey and Ron and adds that "Stan's consistent practice of personal contact — man-to-man discussions right in the working place — have contributed greatly to his shift's remarkable safety record."

Stan attributes his shift's success to co-operation. "I've got a good crew, they've got good safety sense, and we talk a lot — when we discuss a problem we come up with a definite solution, 'maybe' is a word we rarely use."

A native of Tyndall, Manitoba, Stan came to Inco at Creighton mine in 1946 and has worked there since then. His wife Rita hails from Hanmer and they have a family of five. Joanne is 16, Alan, 14, Larry, 11, Ronnie, 9, and Darren, 5. They've lived in Creighton for the last nine years.

Creighton mine foreman Stan Miller wrote this month's "triangle" cover logo. Stan was selected in recognition of his shift's outstanding record of 14 months on the job with no medical aid injury.

Fred Savage ends 32 years with Copper Cliff Fire Department.

"Chief"

"Fire fighting is a sad affair," said Fred Savage, "but the men with whom I worked were all ardent, determined, dedicated and intelligent. I'm sorry to be leaving them."

After 32 years of service with the Copper Cliff Fire Department, half of those years as Chief, Fred Savage has retired from the department. General foreman of the transportation shops at the Copper Cliff smelter, he was honoured recently at a fire department party attended by former Copper Cliff Mayor Dick Dow, Sudbury Regional Fire Department Chief Fred Mitchell and a long list of friends.

Fred received a portrait of himself by Bruno Bartolucci, who works in the Copper Cliff paint shop, and a white chief's helmet, autographed by the members of the department.

Fred Mansfield, of the plate shop, moves up from deputy to Fire Chief, but Fred Savage hasn't severed his connections with the department entirely. He's being retained as a special advisor for training and other department functions.

Former Copper Cliff Mayor Dick Dow (left) joins new Copper Cliff Chief Fred Mansfield in admiring a portrait of retiring Copper Cliff Chief Fred Savage (centre).

Old log books contained many memories at Fire Chief Fred Savage's retirement party. With a total of 166 years of service with the C.C.F.D., this group gathered to review them. From left to right, Clarence Hobden (35 yrs.), Noel Shrigley (34 yrs.), Del Briscoe (16 yrs.), Fred Savage (32 yrs.), Ew Mastield (14 yrs.) and Army Didone (35 yrs.).

Speaking of retirement, fire fighting equipment like this was last seen in Copper Cliff about 1908, according to lifetime resident Barney Hamilton. His wife, Isobel has a cookbook produced by the Copper Cliff United Church ladies to mark the town's 50th anniversary in 1951 that included this rare glimpse into the past.

"VEZDUW

Calling South Africa"

It's a round-about route, but contact will soon be established between radio hams in Sudbury and Capetown, South Africa.

Stephanie Bray, a native of Capetown and wife of Guy Bray of Toronto, who is Inco's manager of geological research, is the vital link in the chain of communication.

She returned from a visit to her family with calling cards from two of her cousins — both radio amateurs in the southern climes.

They are calling cards in the truest sense, giving name and address and radio call sign of their owners. Guy passed them on to "the triangle", and we were pleased to complete the link by giving them to Sudbury ham Richard Forget, of the instrumentation department.

Richard's setup looks more professional than amateur, and he says he'll have no trouble contacting South Africa. He'll also pass the call signs around to other Sudbury radio hobbyists, who may also establish contact.

Richard Forget, of the Copper Cliff smelter instrumentation department, says he'll have no trouble contacting the South African hams who sent their "calling cards" his way.

Winter can be fun?

This is fun? Ron Paolin, son of Armando Paolin of Copper Cliff North mine, flattens an opponent in a squirt league hockey game.

Sure it can!

"It was the best of times, it was the worst of times." So begins Dickens' "Tale of Two Cities", and before the novel is two paragraphs old, he has added to the slander heaped upon a beautiful season: Winter.

He is not alone among the great writers who malign the season; his "winter of despair" is probably borrowed from Shakespeare's "winter of our discontent", and Wordsworth has said "Stern winter loves a dirge-like sound".

But children are among those who know winter is a time for fun: it is only the parent who hastens to add "sometimes", spurred by thoughts of spinning tires and heads dizzy from shovelling snow.

In the simple life of youth, winter is a time for swooping, sliding feats on ice and freezing fumblings for misplaced mitts. For the adult, hope springs from Shelley's "Ode to the West Wind": If winter comes, can spring be far behind?

And a final, poetic warning inscribed in an American cemetery:

Beneath this stone a lump of clay
Lies Uncle Peter Daniels
Who too early in the month of May
Took off his winter flannels.

Winter '73-'74 is a season of new experiences for Julie Dewall, as she's schooled in the art of rope tow by mom Pam. John Dewall works at the Copper Cliff copper refinery.

Bundled up and ready for fun is Michael Haggerty, age 2, with locomotion supplied by mom Melinda. Dennis Haggerty is in the copper refinery electro-winning plant.

Karen Reyburn (right) helps neighbour Joanna Cruthers, the three-year-old daughter of Linda and Al Cruthers, of the copper refinery. Karen's dad is IORP's Bob Reyburn.

Winter means special fun for seven-year old Robert Mellow, prodigy of the Lively ski hill and son of Harvey Mellow of the combustion department.

Even a tiny hill at Copper Cliff Gardens is breathtaking for little Diana Tutt, whose dad Harold works at the Ministry of Transportation and Communication.

Thanks dad!

Temperatures reaching 50 degrees below didn't deter the volunteers at the third Inco Cup meet at Cobalt. Residents of the Tri-Town area were out in force to help as they could, as with the electronic timing apparatus operated here.

As in many amateur sports for junior-age athletes, many of the details involved are handled by parents of the participants. The "Inco Cup" ski meets are no exception, but many of the adults involved are Incoites.

Whether before the meet, in preparing the slopes for the racers by building starting ramps and checking snow conditions; during the meet, in acting as starters, timekeepers and offering assistance in myriad ways; or after the meet, in forming car pools to return the athletes home and starting plans for the next meet, these enthusiastic boosters are there.

As the "Inco Cup" races for 1974 draw to a close at Rouyn on March 2 and 3, these ardent assistants deserve a salute. This is it.

The Lively-Creighton Ski Club presented $500 to the area's Junior Ski Club to assist competition and training expenses. President of both clubs, Frood's Gary Foy (centre) received the cheque from club vice-president John Perry of exploration and secretary Jean Bruser. Observers: Gordon Gourley and Richard Moore.

Ernie Quance builds a starting ramp for the fourth round of Inco Cup racing, at Onaping Ski Hills last month. Ernie is one of many adults, most with children racing, who help out with the preparations. He is a driller at Creighton mine.

The rustic Tri-Town Ski Hills chalet forms the backdrop for this example of frigid follicles. The chap with the wintery whiskers is a resident of the Tri-Town area who found a little more rime than reason at the slopes that day.

Starter Carl Gourley, chief mines geologist and father of Inco Cup skiier Gordon Gourley, keeps a watchful eye on Marvin Cretzman, of Lively, at the starting ramp of the Cobalt races. The electronic timer rod is tripped by Marvin's knees.

Jack Eldrige, precious metals analyst at the Copper Cliff copper refinery and avid skiier, checks Cobalt race results with three Inco Cup entrants, Mark Laplante, son of the purchasing department's Morris Laplante, Richard Moore, of Lively, and Jack's son Scott. Jack was chief of race for the Inco Cup meet at the Onaping Ski Hills.

Curling

Jim Fowler (left), Ontario Division comptroller, presented the Inco Trophy to the top NOCA rink following the 87th annual bonspiel. All Incoites, the four are (from left to right) Wayne Leavoy, Bill Beavers, Del Borgogelli and skip Bob Miller.

N.O.C.A.

Four Incoites have become the first rink ever to post consecutive victories in the Northern Ontario Curling Association bonspiel.

For the second time in as many years, skip Bob Miller of the Copper Cliff warehouse and his rink of electrician Del Borgogelli, warehouseman Bill Beavers and process technology project leader Wayne Leavoy, collected the Inco Trophy.

Jim Fowler, Ontario Division comptroller, presented the Inco Trophy to the four Copper Cliff curlers, who also won the Grand Aggregate award at the 87th annual bonspiel.

An Inco foursome claimed the Falconbridge Nickel Mines Trophy as winners of the spiel's second event. Accepting it from Falco's Bill Taylor, manager of technical services, are (left) skip Bob Coulter of Crean Hill, Copper Cliff paymaster John Henry, and Brian Rogers of process tech. Missing — lead Ken Milner.

(mile) Stones

Charlie Ott, assistant to the manager at the Port Colborne nickel refinery, presented the Inco trophy to Joyce Ruetz, Janet Sherk, skip Nancy Woodley and Donna Hitchcock. The girls travelled from Waterloo for the P.C. spiel.

Skip of one of the two Port teams in the tourney, Olive Richards readies her rock. The presentation banquet was held at the Port Colborne Club.

Joan Grace and Martha Hebert from the Port, entice a rock into the house. Their teamates were Shirley Davidson and Olive Richards.

P.C.C.C.

When it comes to staging a bonspiel, the Business Girls Section of the Port Colborne Curling Club really put on a show.

For their 6th annual Ports of Call 'spiel held recently, the curling club was transformed into a "Slow Boat to China", complete with dragons, cherry trees, silk screens, oriental mobiles and geisha girls.

Rinks from Toronto, Dundas, Kitchener and the Niagara Peninsula competed in the 16 team tourney, with two teams representing the host club.

Chief geisha in the nickel refinery's first aid room, Mary Grace was bonspiel chairman.

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