



The Triangle
MARCH 1975

The Triangle

Editor, Derek Wing
Associate Editor
Les Lewis, Port Colborne



On the cover . . .

The thrill of a lifetime! World champion figure skater and star performer of Ice-Capades, 1975, Karen Magnussen paused on the way to her Sudbury Arena dressing room to talk with Mickey Prillsauer, son of Copper Cliff general engineering department design engineer Karl, and with Patricia Houley, daughter of Copper Cliff South mine foreman Barry. "Now" members of the Copper Cliff Figure Skating Club, Mickey and Patricia — and, we hope, a whole host of other figure skating enthusiasts — will enjoy the article in this issue about the "Then" Copper Cliff Skating Club.

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you'd like to know more about your Company?

Copies of Inco's 1974 Annual Report are available. If you'd like one, mail your request to:

The Public Affairs Department,
The International Nickel Company
of Canada, Limited,
Copper Cliff, Ontario, P0M 1N0.

Times are changing; so are phone numbers.

You might like to make a note of the new number to dial for "where and when" information regarding Inco's slag pouring.
It's 682-2087.

Appointments

George Aniol, mine geologist, Garson mine.

Keith Baptist, plant comptroller, P.T. International Nickel Indonesia.

Irving Burgess, section leader, roaster kiln department, Iron Ore Recovery Plant.

John Cooper, senior cost accountant, P.T. International Nickel Indonesia.

Gordon Cuthbert, project leader, leaching and recovery department, Iron Ore Recovery Plant.

Wayne Garland, senior geologist, Kirkwood mine.

Roger Gorham, maintenance foreman, Levack West mine.

Henry Liot, shift foreman, roaster and kiln department, Iron Ore Recovery Plant.

Lloyd McDonald, technical assistant, construction and maintenance, Exmibal.

Bill McDonnell, general foreman, Iron Ore Recovery Plant.

Charlie Nicholson, supervisor, accounting systems and procedures, Copper Cliff.

John Okell, mine geologist, Copper Cliff North mine.

Ron Rafuse, maintenance foreman, Levack mine number two shaft.



Representing the Port Colborne nickel refinery is the Maurice Jacques family. They are, clockwise, his wife, Betty, Tim, 17, Denise, 12, Nanette, 11, and Peter, 16. Maurice works in process technology.

Romeo Savage, a driller at Stobie mine, and his wife, Lorraine, have raised a family of campers. They are, from left, Suzanne, 19, Mike, 17, Ron, 15, and Linda, 21. Mike is the fisherman of the family.



The Goegan family. Joe and his wife, Leola, enjoy taking their two sons, Ronny, 14, and Gerry, 9, snowmobiling and camping. Joe is a maintenance mechanic at the Copper Cliff smelter's F.B.R. building.

Family Album



The girls really outnumber Jim Maloney. Colleen, 2, sits on her dad's knee, while Geraldine, 6, and Melinda, 7, are between Jim and his wife, Vivian. Jim is a chipper and grinder at the Copper Cliff copper refinery.

Rod and ball mills grind the converter matte, and the metallics are removed by wet-belt magnetic separators, leaving concentrates of copper and nickel sulphides. Steve Boyer, grinderman, and Doug Peterson, grinderman helper, tend the mills.



Strategically located in the Copper Cliff smelter complex, Inco's matte processing plant is designed to progressively turn converter matte into material that's either ready for market or is suitable for further treatment at various of the company's plants. The complete three-stage operation is closely controlled by manager, Bill Buchanan, and kept on stream by Larry Banbury, superintendent of process technology.

In the first step of matte processing, converter matte from the casting and cooling section of the smelter is treated in the separation building; here, superintendent Ray Moskalyk takes charge.

The matte is ground in rod and ball

mills in order to free the major components — metallics and concentrates of nickel and copper sulphides. The metallics are then extracted by magnetic separation and shipped to the Copper Cliff nickel refinery for further treatment; the remaining material is subjected to a series of froth flotation operations which separate the copper sulphides from the nickel sulphides.

The copper sulphide concentrate is then dewatered and transferred to the smelter for conversion to blister copper; the nickel sulphide concentrates are thickened and pumped to the fluid bed roasting building — attention, Tony Fritz, superintendent.

Approximately four floors high, each of the four roasters has an interior diameter

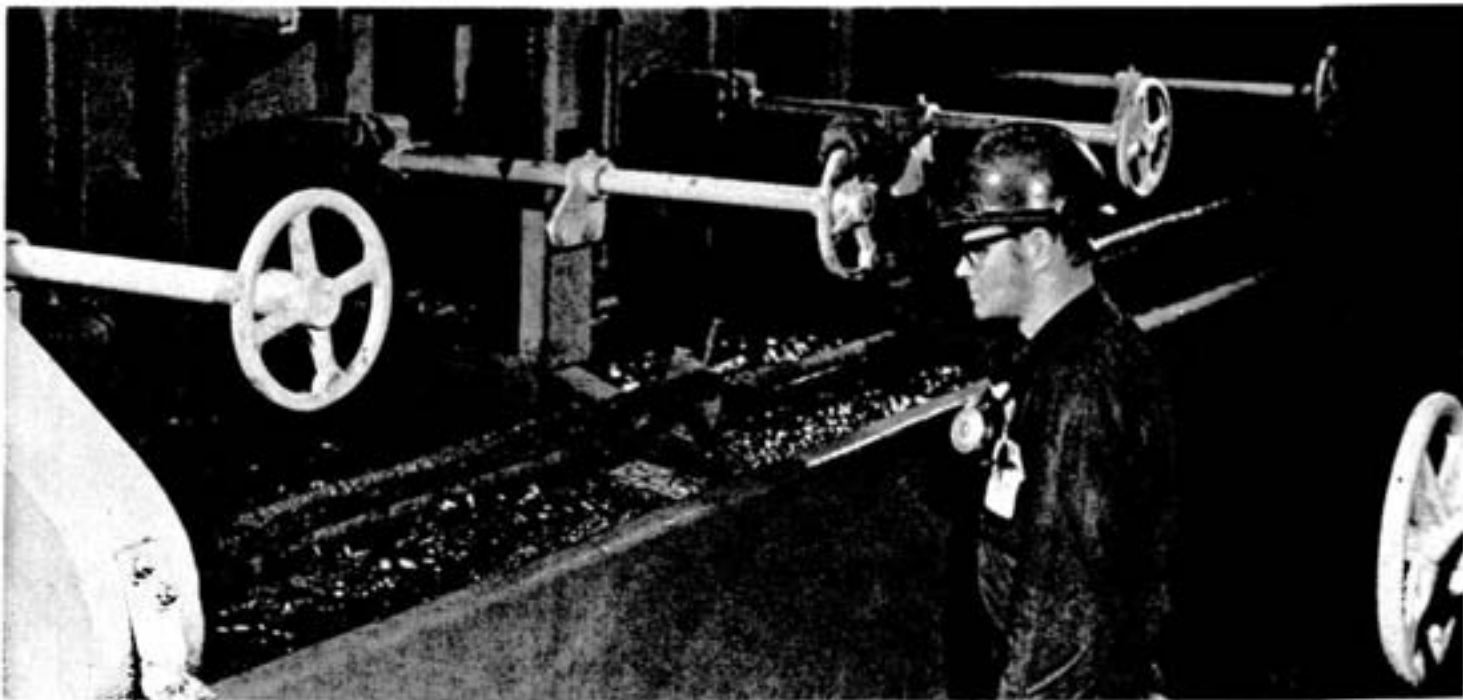
of roughly 10½ feet nearest the bottom, widening to about 15 feet. Up to 300 tons of sulphides can be roasted per day, at temperatures ranging from 2,000 to 2,200°F.

Treatment in the roasters results in a variety of nickel oxide products of different purity, the lowest of which is shipped either to the Port Colborne nickel refinery for processing to electrolytic nickel, or to the Clydach refinery for processing to nickel pellets and powders by the carbonyl process.

The highest purity material is either shipped directly to market as nickel oxide Sinter 75, or is transferred to the third and final stage of matte processing, which will further reduce sulphur content

Matte processing

Brian "Butch" Donnelly, flotation operator, adjusts the flow at flotation cells which separate the nickel sulphides from copper sulphides.



and eliminate other impurities.

In the chlorination-reduction building, under the careful direction of superintendent, Charlie Mitchell, the nickel oxide is treated with gaseous chlorine in a fluid bed reactor at a temperature of about 2,200°F.

The purified nickel oxide is then conveyed to a reduction reactor, where it is both fluidized and reduced with hydrogen — manufactured at an adjacent plant — at a temperature of about 900°F.

The major resulting product is INCOMET, containing about 95 per cent nickel; an intermediate product containing about 93 per cent nickel is used as a reagent at the Port Colborne nickel refinery.

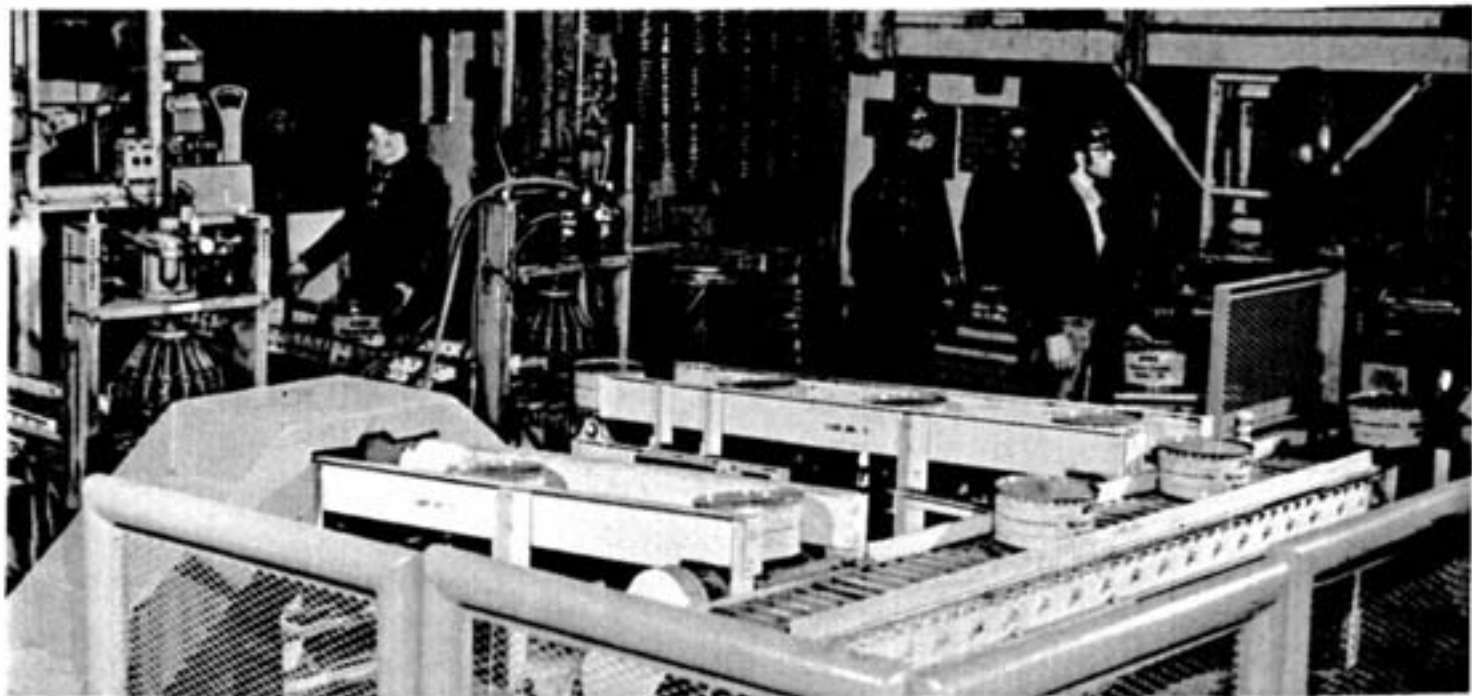
The matte processing complex also includes facilities for product storage, packaging, and shipping; market products are distributed in cans and drums of various sizes, determined by customer preference. Intermediate, or semi-refined products are transported via special bulk containers and railway hopper cars to Inco refineries for further treatment.

... matte processing



Number four fluid bed roaster — Roland Demers at a cyclone which cleans roaster off-gases before transfer to the smelter stack via an electrostatic precipitator.

Nickel oxide Sinter 75 rolls off the canning line, ready for market. From left — Ray Kennedy, Tony Silvestri, Sam Raymond, John Wojciechowski, and Stan Zalewski.



Full marks to the Lively Art Club for enthusiasm, creativity, and exceptional results!

Established in 1970 by founder members Margo Oliver and Dennis Pidgeon, the club's motto is "do your own thing" and artistic endeavours include the use of oils, water-colours, pastels, charcoals, acrylics, linoprinting, calligraphy, monoprinting, and collages; various works are on display at Walden's arena and library, and an exhibition is planned for May.

Regular sessions are held Wednesday evenings at 7:30 in the Lively High School art room, and each member has an opportunity to choose the agenda for a meeting.

Workshops, held whenever financially possible, are designed to create and maintain member interest; an established artist is brought in to give visual demonstrations and to provide a critique on the works of club members.

Pauline Melhorn, workshop guest in January, held a one-woman showing last fall at the Rothman Centre; a February workshop featured Frank Homer of Inco employee benefits.

Lorna Russell, president of the Lively Art Club, invites new members and reminds us that the club has no restrictions on skill or age — attention anyone with artistic inclinations!



Studying technique: Annaliisa Hamilton, wife of David at Inco's oxygen plant; Audrey Hickey, wife of Joe, general office stationery department; Dennis Pidgeon, founder member and part-time art instructor at Copper Cliff High School.

Lively workshop

"doing their own thing"



"That's it!" At a recent club workshop: from left, Lotti Puika, seated, wife of Jaro, senior designer, general engineering; Lorna Russell, club president and wife of Bob, mine foreman on 6600 level, Creighton number 9 shaft; Nancy Mitchell, wife of George, superintendent, Copper Cliff mill; Pauline Melhorn, workshop guest artist; Margo Oliver, founder member and wife of Phil, Inco mines engineering.

Four in six & two in a row



The all-plants safety award winner for 1974 is the Iron Ore Recovery Plant. With George Nowlan, left, manager of the I.O.R.P., are department representatives Mac O'Grady, electrical maintenance; Richard Dixon, utilities; Romeo Berloni, pelletizing; Joe Laframboise, roaster kiln; Don Elliott, safety foreman; Sam Nadijwar, maintenance, and John Goedhard, recovery.

It's a good thing there's no law against monopolies on awards, or the Iron Ore Recovery Plant would be in real trouble! Y'see, they've just won the all-plants safety award for the fourth time in six years!

Their counterparts in the mines area might soon find themselves in the same boat, because this is the second year in a row that the Copper Cliff North mine has won the all-mines safety award.

The two large wooden trophies are awarded annually to the mine and the plant that has the most outstanding safety record for the year. The all-mines trophy was first awarded in 1961, while the all-plants trophy was inaugurated in 1969.

The awards are based on statistics compiled over a twelve month period and the championship is determined by the relative standing of the mine or plant. The three determining factors are lost time injury frequency, accident frequency and accident severity, all per million man hours.

In plant competition, since its inception, the trophy was won by the I.O.R.P. in 1969 and 1970. The Copper Cliff smelter reduction department won the award in 1971, with the I.O.R.P. claiming it back in 1972. In 1973 the transportation department edged out the I.O.R.P.

The all-mines trophy has been around a bit longer and was first won by Creighton mine in 1961. In 1962 and 1963, Murray mine laid claim to the coveted award, followed by Frood-Stobie for the next two years. Creighton again took possession of the trophy in 1966, only to be edged out by Garson in 1967. 1968 was the only time that two mines, Levack and Murray, held the award jointly. Garson won the trophy in 1969, followed by Murray in 1970 and Frood-Stobie in 1971. Kirkwood edged out the Copper Cliff North mine in 1972, but the North mine came back, took the award the following year, and again in 1974.

Copper Cliff North mine superintendent, Grant Bertram, stated: "We may be a small mine but we have big men, and men is what this award is all about. If it weren't for each and every man being safety conscious, we wouldn't have won."

George Nowlan, manager of the I.O.R.P., also commented on the impor-

tance of each man doing his part. "It's sure great to have this award back, but I'd like to stress that this is a team effort, and couldn't have been accomplished without the help of all employees."

Congratulations to the winners — let's see if we can make 1975 an even safer year.



The all-mines safety award winner for 1974 is the Copper Cliff North mine. Representing the mine's various areas are, from left, Paul Yearwood, ventilation; "Red" Patterson, operations; Angie Gagnon, receptionist; Ed Udeschini, maintenance; Bill Lang, construction; Eric Backstrom, operations; Ray Pearson, operations, and Frank Haner, electrical.

they moved it!

Inco's
transportation
department
moved
a 112-ton
transformer
from
Stobie mine
to the
Copper Cliff
smelter



Ray Huhtala, the transportation department's supervisor of equipment rentals keeps things moving.



The 150,000-kilowatt transformer en route to the number four sub-station at Copper Cliff. The 112-ton load was moved nine miles at a maximum speed of four miles an hour. The float was 108 feet long, and the loaded transformer towered 20 feet above road level.



Lloyd Meadows, left, and Duwar Williams, linemen with Inco's power department, keep a power line from snagging. Power department supervisor, Jack Hunter, keeps his eyes open for other obstacles.

Take one General Electric 150,000-kilowatt transformer weighing 112 tons and move it, intact, a distance of nine miles through downtown Sudbury and over slag dumps on a specially constructed road. If that isn't enough, involve the co-operation of 12 equipment contractors, three governments and two Ontario utility companies. That's what the equipment rentals section of Inco's transportation department accomplished recently.

It all started when one of the two 300,000-kilowatt transformers at number four sub-station in Copper Cliff was found to be faulty. Inco's power department was faced with a problem. A replacement was needed for the faulty transformer, since it would take at least nine months to have it repaired.

It was decided that one of the two 150,000-kilowatt transformers at the expansion sub-station Stobie mine would do the job. There was one catch — how to move the transformer. That's

when our transportation department took over.

Since the move would require certain specialized equipment not normally on hand, the problem was handed over to the equipment rentals section of the transportation department.

Supervisor, Ray Huhtala, co-ordinated the move. To hear Ray tell it, you'd think it was the easiest thing in the world. "I just got on the phone and started talking to the different people involved," he said, "they were all extremely co-operative — the City of Sudbury, the Ministry of Transportation and Communications, the Regional Police, Bell Canada and Ontario Hydro. It was the combined efforts of these groups that made the move a success. Actually the hardest problem was finding the best route."

Since the loaded transformer towered 20 feet above the ground, there could be no overhead obstructions. In addition, the road should be wide enough to permit

a 12-foot-wide by 108-foot-long float space to turn, and strong enough to take the heavy wheel loads.

After much deliberation, it was decided that the only possible route that would work was through Sudbury and over the slag dumps at the Fisher Dry Pac plant on Highway 144.

A road had to be constructed at the slag dumps with few surface irregularities because the float carrying the transformer had only a four-inch clearance. Any bumps or dips would cause the float to "belly out".

Once everything was arranged, the move went off without a hitch, and the journey ended nine miles and eight hours after leaving the Froid-Stobie gate.

Two weeks after the first phone call, the transformer was at its destination — a week later it was in operation. Not bad, considering the number of things that could have gone wrong — but didn't.

feats on two feet • • • • • • • • or one

Those youngsters with wings on their feet — members of Sudbury district figure skating clubs — laced up their skates and took to the ice at Copper Cliff's Stanley Stadium and at the Walden Arena for annual inter-club competition. Eight clubs took part in the event and the Copper Cliff Figure Skating Club skated its way to the top to claim the Inter-Club Cup. Here are the individual event results:

Preliminary Ladies.

1st — Mary Legris, Copper Cliff.

2nd — Laura Kay, Levack.

3rd — Lee Ann Frohlick, Levack.

Pre-Juvenile Ladies.

1st — Diane Raymond, Sudbury.

2nd — Patrica Houley, Copper Cliff.

3rd — Maxine MacDougall, Chelmsford.

Pre-Juvenile Men.

1st — Darcy Grewall, Sudbury.

2nd — Wilfred Steer, Copper Cliff.

3rd — Pierre Montpellier, Chelmsford.

Juvenile Men.

1st — Patrick Greasley, Copper Cliff.

2nd — Robert Lenarduzzi, Sudbury.

Pre-Novice Ladies.

1st — Tracy Gillies, Copper Cliff.

2nd — Beverly Canapini, Copper Cliff.

3rd — Mary Catherine Bardeggia,
Copper Cliff.

Novice Ladies.

1st — Carolyn Davey, Sudbury.

2nd — Wendy Farquharson, Capreol.

3rd — Tammi Koivu, Chelmsford.

Dance.

1st — Mickey Prilisauer & Mary Legris,
Copper Cliff.

2nd — Robert Lenarduzzi & Lisa Piccolo,
Sudbury.

Interpretive Skating.

1st — Beckie McKenzie, Sudbury.

2nd — Faye Gasparini, Sudbury.

3rd — Mary Catherine Bardeggia,
Copper Cliff.

Juvenile Ladies.

1st — Jennifer Young, Sudbury.

2nd — Wanda McMunn, Valley East.

3rd — Cathy Bevilacqua, Capreol.

From the Inco Reporter, published by International Nickel Limited, London, England, comes this news item about the activities of a certain daring gentleman who, when not doing things very differently, is employed by Inco France and Inco Oceanie.



Who's the brave chap suspended by only one foot? It's not Evel Knievel up to his tricks, but Jean-Claude Blégent, president and managing director of Inco France and Inco Oceanie. On a recent visit to England, Jean-Claude went to the

Henley and District Agricultural Association show. One big attraction at the event was the Marine Commando aerial slide, and Jean-Claude was the only visitor who braved the slide suspended by one foot.

A cheque to the "tune" of \$2,000 has been donated by Inco to the Sudbury branch of the Ontario Registered Music Teachers' Association.

Norm Creet, maintenance manager for mines and mills, made the presentation on behalf of Inco to Bette Leake, president of the Music Teachers' Association.

The 55-member association encompasses the entire Sudbury district, and is responsible for instructing pupils in instruments as well as voice.

The donation will go towards the purchase of a grand piano, which will be used for concerts and recitals at the Sudbury Secondary School.

Cheques to two

The Sudbury and District Y.M.C.A. is \$20,000 richer as a result of a donation by Inco. The cheque was presented by Primo Facca, an electrical crane inspector at the Copper Cliff smelter's Orford building, to Bill Taylor, executive director of the Y.M.C.A. Primo has been an active member of the "Y" for more than ten years and is presently on the executive of the "Y's" badminton club.

Bill Taylor stated that the money will be used in all phases of the "Y's" programme, but will be of particular use to youth-oriented activities.



Norm Creet, maintenance manager for mines and mills, looks on while Bette Leake, president of the Music Teachers' Association, "tinkles the ivories".

Primo Facca, left, and Bill Taylor look over new equipment in the men's fitness room at the Y.M.C.A. Primo presented a \$20,000 cheque to Bill, executive director of the "Y".





In the Garson-Kirkwood area, Garson managed to outpoint Kirkwood and won entry into the Mutz trophy event. Here the winners review one of the injuries they were required to treat during the "B" section trials. In front are Cec Ralph and Camille Belanger; behind, Allen Benoit, Tom Poulin, and Norm Gaudette.

700 seek "The Parker"

Inco first aid competitions for the 1974-75 season commenced before Christmas, when teams in section "A" began their elimination contests at the many mine and plant locations.

This season, 122 teams entered the competitions which means that close to 700 men have studied, trained, practiced and proven their ability to deal with many emergency situations. And this has been happening at Inco each year since 1936, when the first competitions were held. At times there have been more, and at times, fewer teams, and while team personnel doesn't change completely each year, the safety department estimates the influx of new faces at better than 50 per cent annually.

The safety department also points out that, in addition to those in competition, there are a couple of hundred other men trained each year who do not compete.

We are indeed fortunate to have, in our area, thousands of men with training in basic first aid. On numerous occasions this training has been put to the test and many a boating, swimming, home, plant or car accident victim is indebted to these same first-aiders.

And now, on to the competitions! The winning teams from "A" section, 24 in

Inco Club in Sudbury will be scene of final battle on March 20



In "B" section action, the copper refinery Maintenance team edged out Tankhouse, won the Fred Benard trophy and advanced to the Finlayson competition. Receiving their briefing from timekeeper, Andy Martin, are, left to right, Jack Kosmerly, Frank MacKinnon, Loris Dupuis, Ray Bergeron, and Ron Menard.

number, proceeded through "B" section competitions during the period January 20 to 31.

The "B" section encounters determined the individual mine or plant champions who, in turn, competed for their division award. In the mines and mills it's the Mutz trophy and for surface plants, the Finlayson trophy. There were nine teams in the Mutz event and seven in the Finlayson.

Printing deadlines made it impossible for "the triangle" to report the winners in this issue. The Finlayson competition was held on February 25, the Mutz on February 27, the day this issue was shipped from the printer.

We'll record the winners in our April edition, along with the report on the world series of first aid competitions, the Parker Shield.

That event will be held at the Inco Club in Sudbury on Thursday, March 20, 1975, commencing at 7:30 p.m. Those who've attended these competitions in the past need no encouragement to return; for those who haven't, be assured it's an exciting, interesting, and skillfully-staged affair.

But be advised, go early! Seats, and even standing room, will be at a premium.



Pssst . . . when we started, didn't we have TWO victims and THREE judges?

*Shaded and re-
freshed, a street
scene in the
village of Sarukō*



Surface mining a deposit of lateritic nickel ore at Batu, near Soroako.



Inco . . . on the other side

Indonesia may be on the other side of the world, but that hasn't stopped International Nickel.

As part of its programme to develop nickel deposits abroad, Inco, through its majority owned subsidiary P.T. International Nickel Indonesia is developing deposits of lateritic nickel ore near Soroako, Indonesia.

The first stage of the nickel mining and processing project is expected to come into production in late 1976, and will produce 35 million pounds of 75 per cent nickel matte a year.

Soroako is a small village nestling on the shores of Lake Matano on the Island of Sulawesi, the third largest island in the Republic of Indonesia. Temperatures there are always in the 80's, and the humidity is high. Though only about one-fifth the size of Canada, Indonesia has a population five times as large. About two-thirds of the population lives on the islands of Java and Madura which constitute less than seven per cent of the total land area. Java is well developed; Sulawesi is not. It's remote — 1,100 miles east of the country's capital, Jakarta. The island is predominantly tropical forests and mountains; major

industries are agriculture and forestry.

Construction of surface facilities for the first stage is well underway. Meanwhile plans are being developed to expand the project's capacity to 100 million pounds of nickel annually by 1979.

The first stage will provide employment for approximately 1,100 Indonesians, many of them recruited from the Island of Sulawesi. Training this work force is the key to the success of the project.

But before manpower can be trained, training needs have to be identified and programmes set up accordingly. So Inco called upon the experience of Copper Cliff's Graham Byers, supervisor of organization planning for the Ontario Division. Graham was sent to Indonesia for three months last fall as a resource person to assist in laying the foundation for training programmes. He worked with superintendent of training and development, John Cameron, and with Wally Agus, training officer.

The three examined the human resource situation, the educational system and the degree of the Indonesian people's industrial exposure — all vital factors in determining meaningful training programmes.



Graham Byers, supervisor of organization planning for Inco's Ontario Division, spent three months in Indonesia. The batik art on his office wall is a souvenir of the trip.

Graham learned that there was considerable secondary education, and the company will rely heavily on the graduates now and in the future.

"But, with limited industrial exposure, we'll have a lot of technician training and orientation to do", says Graham. "The people have good mechanical aptitudes. It will be simply a matter of developing industrial skills and giving them the opportunity to apply these skills."

A training centre is being established for the skilled trades, such as machinists and electricians. An in-plant training team will be included to supervise and monitor on-the-job training. Initially the training staff will consist of instructors from other countries but Indonesians, like Wally Agus, will eventually take over full responsibility.

In addition, one of the objectives of each expatriate, who is in Indonesia to help launch the project, is to train an Indonesian to replace him.

In February, Prem Sudjarwo, an Indonesian who will be cost accountant for P.T. International Nickel Indonesia, arrived in Copper Cliff to begin training in accounting and cost control systems. His arrival marked the beginning of a pre-operational training and orientation programme to be conducted prior to start-up of the Indonesian plant and essentially for those at supervisory, technical, and managerial levels. Approximately 30 Indonesians are scheduled for training here this year, with another 25 expected in 1976. The training and orientation will take place in those parts of the operation where they can obtain practical experience with equipment similar to that which they will operate in Indonesia.

The first group is expected to arrive in Canada in March. Following a six to eight week orientation in the company's Port Colborne research stations where they will have an opportunity to work with the pilot plant equipment used to develop the P.T. International Nickel Indonesia process, the group will be split up. Some members will work with the reduction kilns at the Iron Ore Recovery Plant; others will operate the top blown rotary converters at the Copper Cliff nickel refinery, and some will go to Inco's Thompson, Manitoba, complex to gain electric furnace operating experience.

Developing mineral deposits is a challenge anywhere in the world, but the



challenges are multiplied when the deposits lie in remote regions.

The Soroako deposits present their own special problems. For instance, by North American standards, Sulawesi has transportation problems. P.T. International Nickel Indonesia has already built a service road from the port of Malili to Soroako, about 35 miles through mountainous country to transport equipment and supplies which are shipped by sea. The road will eventually be used for transportation of refined nickel matte from Soroako to Malili for shipment to market. Plans also include upgrading the present airstrip at Soroako to ease air travel problems for employees flying to and from the area.

There are some 250 dialects of 25 languages in daily use in Indonesia. This might be thought to pose a problem within the work force made up of people

from all regions of Indonesia. However there is one national language, Bahasa Indonesian, which is taught in schools and is the working language of P.T. International Nickel Indonesia.

In addition to its main objective of mining and processing nickel efficiently, the P.T. International Nickel Indonesia project will provide many other benefits to Indonesia. Java is one of the most densely populated areas of the world. By providing jobs on sparsely-populated Sulawesi, the project will help to reverse the trend of migration to populous areas, a programme on which the Indonesian Government places high priority. It will provide skilled jobs for the graduates of Indonesia's schools and will provide training, education and health facilities in what is today a remote area but which will be an important urban centre by the end of the decade.

...the beginning

COPPER CLIFF ATHLETIC ASSOCIATION Advance Notice Concerning Figure Skating

The exhibition given locally last season by the Toronto Skating Club, together with the excellent facilities now available in the Stanley Stadium, has aroused much local interest in the art of figure skating. Recognizing the keen interest which exists, the Copper Cliff Athletic Association has taken steps to initiate classes in figure skating. For the purpose, the Copper Cliff Skating Club has been proposed, to operate under the sponsorship of the C.C.A.A. The Skating Club will have its own separate Executive, with representation on the Executive of the Athletic Association. Mr. Graham Hobbs, an accomplished figure-skater, formerly of the London Skating Club, has been enrolled as a member.

A public meeting was held at the Town Hall on Friday evening, October 25, at which time Messrs. Graham Hobbs and E. H. Rose, and Mrs. C. O. Maddock were delegated as a committee to enlist membership in the proposed Skating Club.

The intention is that instruction classes and related activities in figure-skating shall be conducted strictly at cost. It has been calculated that these activities can be made financially self-sustaining at the membership rates given below, provided a sufficient number of members can be secured. As usual, special allowances can be made to members of the Copper Cliff Athletic Association, and this courtesy will be extended to members of the other accredited Athletic Associations of the district. For those who are not members of any Athletic Association, it will be necessary to charge a higher rate. Following is the tentative schedule of fees:

		<u>Membership per Season (November-March)</u>	
		<u>For members of</u>	<u>For</u>
		<u>Athletic Associations</u>	<u>Non-Members</u>
Juniors	(6-12 years)	\$1	\$4
Intermediate	(13-15 years)	\$7.50	\$7
Seniors	(over 15 years)	\$5	\$10

It is felt that these rates are remarkably low, particularly the Junior rate, and for that reason family or courtesy cards cannot be issued. The above rates compare very favorably with those usually charged by other clubs offering instruction in figure skating. Senior membership in the Toronto and London clubs, for instance, costs \$25 and \$20 respectively.

The ice at Stanley Stadium is to be specially prepared for figure skating every Wednesday, and classes and practice can be held each Wednesday from 2 to 6 p.m. These hours will be reserved exclusively for figure skating, but in addition, during all public skating periods, a portion of the ice can be reserved for figure skating, if popular interest justifies. On Wednesdays, admission to the rink will be by Skating Card only; at other times, regular skating tickets will admit.

Each figure-skater will of course purchase his own skates and boots. Depending upon the quality desired, these can be had at from \$5 to \$10 for the skates, and approximately the same for the boots.

Many applications for membership have already been received. Those interested should get in touch with Mr. Hobbs at the Stadium (phone 201), or Mrs. Maddock (phone 213) or Mr. Rose (phone 100 or 460).

Mr. Hobbs has had long experience in figure-skating, and gives his assurance that this is one sport which is open to all, regardless of age, and that even those who have never skated before can become proficient.



The way

The letter on the preceding page was written in 1935 and was a call to arms for local skating enthusiasts; immediate response marked the beginning of the Copper Cliff Figure Skating Club as we know it today — many thanks to Marguerite Boyle, this month's logo writer, for providing "the triangle" with background, and the original letter of invitation, now some forty years old.

As indicated in the letter, a performance at Stanley Stadium by the Toronto Figure Skating Club had, indeed, sparked great interest among local citizenry; the Copper Cliff Skating Club was quickly organized and, comprised of eager members of all ages, gave its first carnival on April 23, 1937 — a smashing success, by all reports.

Admission ranged from 75 cents for side seats, to standing room at 35 cents.

The show featured 70 local skaters, plus club professionals, Gordon and Agnes Thompson, and top skaters from Ottawa and Toronto — internationally-famous visiting artists — the McCarthy sisters, young Peter Chance, the Caley sisters — ring a bell for anyone?

Billed as "a show of surpassing grace and loveliness", the first annual carnival boasted "multiple scenic effects" and a daring first for Northern Ontario —





it was

coloured ice for the background of a skating event.

So popular was the idea of a carnival that the performance was sold out three days in advance, and the show was held over by public demand: "With Friday night's house already a sell-out, and hundreds still calling for tickets, the Carnival has decided to hold a repeat performance" . . . "now you won't have to miss this pageant of grace, beauty,

and colour" . . . "a spectacle you'll never forget!"

Then, in 1940, the fourth annual Copper Cliff carnival welcomed the appearance of Canada's junior ladies' champion, ten-year-old Barbara Ann Scott; gaining recognition as a club to be reckoned with, Copper Cliff began producing its own champions: Ann Aubin, who, at the age of seven, became the youngest child in the Dominion to

attain the bronze medal; talented Joyce Salo, first silver medalist of the Sudbury district; Dorothy Digby, Betty Gathercole, Alfred Digby Jr., Betty Walker, Bill Dopson, Lorraine Row, Patsy Thompson, Lois McNeil . . .

. . . And so it was in the beginning.

Today, the Copper Cliff Figure Skating Club continues its fine tradition of skating excellence, with talent and potential being developed daily.



After digging into their records, the Port Colborne nickel refinery's safety department came up with a very vital statistic — no less than 225 employees at the refinery have worked for more than 25 years without a lost-time accident!

To recognize that proud fact, the 225, together with wives or lady guests, were entertained at a dinner dance at Club Rheingold.

Norm Hiltier, manager, Ontario Division safety and plant protection, was on hand to extend congratulations on behalf of the company, and Port Colborne mayor, John Buscarino, spoke for the city.

During the evening of easy informality, the Port's pensioner quartet, "Reg and Friends", entertained the gathering with its unique "barbershop" singing style.

Refinery safety supervisor, Joe Rossi, organized the affair, and was banquet chairman.



The refinery's superintendent of administration, Frank Sorochinsky, left, made a special presentation to Jack Rivers and Walker Richardson, right. Both have a 42-year accident-free record.

At Port Colborne

Party

Club Rheingold — where 225 Port Colborne nickel refinery employees and their ladies enjoyed a dinner dance to mark significant safety achievements. All agreed that it was a great evening of fun and fellowship.





That's Hector Poulin, right, from the Copper Cliff North mine, talking to Sam Tarabalka, centre, and Elmer Johannsen with his wife, Annie. Sam and Elmer work at the Copper Cliff South mine.

At Inco's Copper Cliff area mines, 21 men have worked for more than 20 years without having a single accident — not even a dressing.

Inco's safety department recently held a banquet to salute the achievement. The men, as well as their wives, were invited for cocktails and dinner at the President Motor Hotel.

This is the first time that such an event has occurred at the Copper Cliff mines area, which includes Copper Cliff North mine, Copper Cliff South mine and the Clarabelle open pit.

Those honoured were: Gerry Bedard, Joe Brouillette, Adolphe Charbonneau, Emile Cousineau, Fred Derda, Hans Dittmar, Wally Elneron, Arvo Hautamaki, Oliver Heikkila, Elmer Johannsen, Gordon Kennedy, Gerry Lamothe, Norm Maillet, Hector Poulin, Larry Poulin, Paul Poulin, Henry Prinoski, George Rainville, Sam Tarabalka, Mickey Terrick, and Clayton Van Horne.

Time

At Copper Cliff

Representatives from the Copper Cliff mines area assembled at the President Motor Hotel for a sit-down dinner in honor of 21 men who have worked more than 20 years without an accident.



What's
the **BIG** idea?



Eddy Poulin

Port Colborne nickel refinery

\$815



Jim Porter

Port Colborne nickel refinery

\$305

Got a pickle
of an idea?
It could win
YOU a cash
award!



John Rakai
Levack mill
\$175

Sudbury Area

From the Sudbury area mills we have a total of \$645 being added to the pockets of 19 employees.

John Rakai, Levack mill, suggested revisions to number 14 tripper gate and came out richer by \$175.

Stan Bidochka and **Angelo Ceccon**, Clarabelle mill, each won \$50 for two separate ideas. Stan devised a method to automatically stop oil pumps, while Angelo proposed a jig to repair Denver air units.

Antonio Fragomeni, Copper Cliff mill, cashed in for \$50 when his suggestion to relocate two-way radios was accepted. At Levack mill, **Reg Nadon** saw the need to direct the copper overflow into number five thickener, and pocketed \$50.

Our lone \$30 winner was **Marc Leblanc**. His safety suggestion was to install flashing lights on the mobile crane.

For devising a method to clean the grizzly with cranes, **Robert Pilon**, Clarabelle mill, received \$25. Also getting a \$25 bonus were **Leon Rioux**, Froid-Stobie mill, and **Armand Savard**, Clarabelle mill. Leon suggested additional protection for the number 21 conveyor, while Armand devised a way to secure grizzly cap bolts.

At the \$20 mark, **Bryan Kennedy**, Clarabelle mill, proposed a stand for distributor plugs. **Garnet Phillips**, Creighton mill, saw the need for an enlarged door to the sand plant. **Gerard Rivet** and **Roland Thompson**, both at Levack mill, picked up \$20 each. Gerard suggested relocating a water line, while Roland proposed relocating the doors in the oil room.

There were five \$15 awards. **Sinclair Bigney**, Levack mill, suggested a buzzer in the

oil room. At the Froid-Stobie mill **Andrew Eveline** saw the need for a safety chain and sign at the mills. **Ray Gervais** pocketed \$15 for his proposal to install a limit switch that would operate the revolving light on the crane at the Clarabelle mill. **Renzo Mior**, Creighton mill, suggested making the cement mixer screen out of steel plate. **Leeland Pinkos**, Levack mill, designed a platform for the wood chip chute.

Taking home \$10 was **John Lunn**, Levack mill. He proposed guards around heaters.

Port Colborne

Eddy Poulin banked a cool \$815 to lead the suggestion award plan winners at the Port Colborne nickel refinery this month with his idea to use the vacu-blaster instead of portable grinders to remove the wax finish on FRP sheets or sections prior to laminating. **Jim Porter** saw the benefit of replacing mild steel plate with scrap stainless steel salvaged from discarded starting sheets when repairing rack bottoms and netted a neat \$305. **Bob Lambert** pocketed \$125 for designing a notched spreader for use on materials requiring the application of Epon. An award of \$25 went to **Robert Leveille** for an improved method of pumping in the carbonate plant.

Safety awards were picked up by **Angelo DiPasquale**, \$25, for a modification to hose nozzles on gasoline pumps; **Laszlo Szigetli**, \$15, for seeing the need for an alternate escape route from the inoculation room fan platform in the foundry additives plant, and **Edward Creighton**, \$15, for proposing the erection of a safety guard rail beside the narrow gauge tracks at the entrance to the ENR.

Sault Ste. Marie

The second leg of the Inco Cup ski races was held during February at Sault Ste. Marie where three events were held over two days.

In the men's down-hill event, Jeff Armstrong, Sault Ste. Marie, won the gold medal with a two-run combined total of 66.947 seconds. Second place went to Raymond Pratte from Rouyn with a time of 67.828 seconds. David Tafel from North Bay finished third with a time of 68.828 seconds.

The ladies' downhill saw Judy Richardson from North Bay in first position with a time of 71.670 seconds. Karen Gerbasi from North Bay won the silver medal with a time of 72.672 seconds. Sudbury's Christine Heikkila finished third with a time of 73.569 seconds.

Jeff Armstrong won his second gold medal of the weekend with a two-run combined time of 106.3 seconds in the men's giant slalom. Two brothers from Rouyn sewed up second and third place. Raymond Pratte won the silver medal with a time of 106.6 seconds and brother, Michel, won the bronze with 109.4 seconds.

The ladies' giant slalom was won by Judy Richardson, from North Bay, with a time of 114.45 seconds. Larder Lake's Heather Hurst was a close second with a silver medal time of 114.70 seconds. Megan Armstrong from Sault Ste. Marie nailed down third spot with a solid 115.85 seconds.

In the men's slalom, Raymond Pratte from Rouyn finished two seconds ahead of his nearest competitor with a time of 81.8 seconds. Second position went to North Bay's David Tafel with a time of 83.8 seconds. Sault Ste. Marie's Klaus Peterson won the bronze medal with a time of 85.7 seconds.

Sudbury's Christine Heikkila captured the gold medal in the women's slalom with a time of 88.8 seconds. Claude Pratte from Rouyn finished in second spot with 90.3 seconds, while Heather Hurst from Larder Lake picked up a bronze medal for her time of 90.4 seconds.



Inco agriculturist, Tom Peters, presented medals to the winners of the ladies' giant slalom event in Sault Ste. Marie. They are, from left, Heather Hurst, Judy Richardson, and Megan Armstrong.



Tim Evans, in Sault Ste. Marie.

Edourd Eible, in Timmins.

Timmins

The third leg of Inco Cup competition shifted to Timmins' Kamiskotia Ski Hill, where a downhill and a giant slalom competition took place under extremely cold conditions.

Kathy Kreiner, a native of Timmins, skied in the ladies' downhill event and won a gold medal with a time of 53.2 seconds. In the same event, Judy Richardson and Karen Gerbasi, both from North Bay, ended up with identical times of 54.7 seconds. Ski officials ruled that since Judy had started after Karen, Judy would be awarded the second spot.

The men's downhill was not so difficult to decide. Tim Evans from North Bay won the gold medal and first place with a two-run combined total of 52.3 seconds. Not far behind was Brad Elgie, from Sault Ste. Marie, with a time of 52.5 seconds. David Ghent, from Sudbury's Laurentian University Ski Club, was awarded the bronze medal with a time of 52.8 seconds. David was also awarded a gold medal for being the best juvenile competitor in the men's downhill.

It was an all North Bay sweep in the women's giant slalom. Karen Gerbasi, Martha Trussler and Barb Olmsted swept to victory. Karen's gold medal time was 70.9 with Martha at 74.8 seconds and Barb at 77.0 seconds.

The men's giant slalom was won by Gord Gourley of the Lively Ski Club. His gold medal time was 68.9 seconds, just one tenth of a second better than North Bay's Steve Wallace, who finished the course in 69 seconds flat. Peter Virene from Sault Ste. Marie sewed up the bronze medal with a time of 69.7 seconds. Paul Jerome from Laurentian University's Ski Club picked up a gold medal by having the best time for a juvenile in the event. His time was 70.4 seconds.



Winners of the men's giant slalom at Timmins. They are, from left, Steve Wallace, Gord Gourley, and Peter Virene. Mel Young, assistant to the president of Inco's Ontario Division, presented the medals.

The next Inco Cup races are slated for Rouyn-Noranda on March 8 and 9 and Sudbury, March 13, and 14.



Outward-bound and headed for Sweden, Team Port Colborne Bantam All-Stars and fellow travellers prepare to leave by bus on the first leg of their journey.

Vallentuna



Concerned glances during one of their seven games in Sweden. Left, Fred Davies, gaily-hatted coach, Jack Stover, and Jeff Provencal.

After a year of busy negotiations and planning, Team Port Colborne Bantam All-Stars travelled to Vallentuna, Sweden, to play seven exhibition games. The team was one of five Ontario Minor Hockey Association teams that visited Europe earlier this winter.

Despite a very busy schedule during their ten-day stay, the team's performance on the ice was spectacular for an "away" effort — they picked up five wins, a tie, and lost only one game. They netted 39 goals, while being scored on only 16 times.

Three games on open-air rinks presented some unusual situations. During their first open-air game, which they won 3-1, there was a snowstorm which resulted in many lost pucks. A

P.C. 3 – Osteraker 1
 P.C. 4 – Stocksund 4
 P.C. 8 – Sodertalje 0
 P.C. 12 – Vallentuna 2
 P.C. 4 – Stocksund 5
 P.C. 5 – Danderyd 3
 P.C. 3 – Vallentuna 1



Discussing strategy during their last practice in the Port — Team Port Colborne captain, Kerry Williston, Jeff Provencal, and coach, Jack Stover.

Venture

later game, played during a rainstorm, presented soft ice problems.

The team, and all who travelled with them, have the highest praise for their Vallentuna hosts. "The hospitality was more than expected," said John Williston, father of team captain Kerry and a Port Colborne nickel refinery painter, "it's hard to describe it adequately, they treated us so well."

Father of player Johnny Foresi, nickel refinery carpenter shop foreman Gino Foresi visited two homes with his wife and came away with the impression that the Swedish people love to entertain. "We celebrated our twenty-fifth wedding anniversary while we were over there," said Gino, "and it was the best second honeymoon we could have ever expected."



On the last leg of their homeward trip from Sweden, players, parents and supporters board their Hamilton-bound flight at Montreal International Airport.



The introduction of 25 people could be a weighty and lengthy affair. The Scottish Strathcona Cup curlers who visited the Sudbury area recently have solved the problem — they've devised a delightful singing introduction.

Scottish curlers . . . awa' frae hame

During a banquet held at the Copper Cliff Club for the Scottish curlers, Inco agriculturist Alex Gray addressed the haggis. The Scottish traditional delicacy was piped in by Sam Laderoute and carried by industrial engineering secretary Jacqui Tohill.



Sudbury and Copper Cliff were invaded recently by 25 Scottish curlers. The Scots were on a nation-wide tour of Canada and were in competition for the Strathcona Cup.

Every five years, a group of curlers from Canada or Scotland exchange visits to each other's country; this time it was Scotland's turn to visit Canada. In 1980, Canadian curlers will return the visit and play matches in Scotland.

The Strathcona Cup was first presented in 1909 by Lord Strathcona to the Royal Caledonia Curling Club, to commemorate his presidency of the club, and the first visit of a Canadian curling team to Scotland.

Despite the fact that the wining and dining of the visiting Scots often continued into the wee hours of the morning, they held their own to come out even in 10 friendly games against Sudbury curlers; however, in Strathcona Cup competition here, they wound up with the proverbial goose egg.

C.C.N.R. curlers . . . at home

Despite a power failure during the tournament, the Copper Cliff nickel refinery's second annual curling bonspiel was an overwhelming success.

The bonspiel, organized by the nickel refinery's recreation association, saw 18 teams "do battle". Because of the power interruption, action was fast and furious so that missed time could be made up. Unofficial sources have it that some teams curled 18 ends without a break and that, by the time everything was completed, a whole host of sore arms and backs were wending their way home.

The winners were determined on a total point basis. In first place was the team skipped by Don Finlayson, with Greg McLean, vice, Larry DiPasquale, second, and Maire Vuorensyrja, lead.

Running a close second was Bill Hudgins and his determined team of vice, Jim Trapasso, second, Joe Nicholls, and lead, Joe Durkac.

In third spot was the team skipped by Jack Angove, with Joe Virio, vice, Rosemary Perras, second, and Ted Latreille, lead.

A buffet dinner was served to those who still had enough strength to eat after the day's activities, but judging from enthusiasm, there's no doubt that they'll all be back next year — hopefully without a power problem. Or maybe they'll all wear hard hats with cap lamps!



Berry Taylor, left, and Rick Biederman take a break from the action.

The Copper Cliff nickel refinery's winning team. They are, from left, Larry DiPasquale, Greg McLean, Maire Vuorensyrja, and Don Finlayson.





Skating personified — that's Marguerite Boyle, life-long resident of Copper Cliff and, quite appropriately, this month's logo writer. Dad, Charles, was one of Inco's originals — his career started here in the mid-1890's with the Canadian Copper Company, which later merged with Inco.

Marguerite has full right to pen the logo for this issue of "the triangle" — she's a charter member — 1935 — of the Copper Cliff Figure Skating Club, a life member since 1967, and a member of the club's board of directors. More on the club inside.

Always an avid skater, Marguerite's continued interest and involvement in the art of figure skating gave her the experience and expertise required for judging; she's now a gold figure judge — the highest attainable level before judging national and international competitions — and is one of only two judges so qualified in the Sudbury district.

In addition to being chairperson of the judges' committee, she's the founding editor of "Northern Lights", the official publication of the Northern Ontario section of the Canadian Figure Skating

Association. Quite a set of accomplishments!

Marguerite's judged many, many ice performances, and mentioned that one of the nicest she'd seen was Joyce Salo, skating to "Finlandia".

When asked for advice to youngsters just starting out, Marguerite replied, "hard work, and practise, practise, practise!"

Marguerite thinks of skating as a combination of ballet and music. "You seem to have wings on your feet when you skate", she says — and if anyone should know, it's Marguerite!