In this issue

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Triangle INCO

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On the cover
Congratulations to the Levack mine first aid team on winning the R.D. Parker Shield. Team members proudly display their trophy, top, after the event. The other two photos show the copper refinery team, lower left, and the Levack team, lower right, in action during the competition. See story on page 15.

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Allan Burns, first aid attendant, plant protection, Copper Cliff
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Ann Forster, programmer, computer services, Copper Cliff
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Bob Kerr, services foreman, Stobie mine
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Tom Mossey, project leader, process technology, Copper Cliff
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Ernest Pelletier, maintenance general foreman, Copper Cliff smelter
John Putinta, technical services clerk, computer services, Copper Cliff
David Reed, environmental control co-ordinator, Port Colborne nickel refinery
Bill Saunders, general foreman, copper refinery
Ed Skene, mine engineer, McCreedy West mine
Gerald Switch, plant protection officer, plant protection, Copper Cliff
Russell Tunney, senior chemist, process technology, Copper Cliff
Doug Valentine, area engineer, mines engineering, Creighton nine shaft
Ken Watts, plant protection officer, plant protection, Copper Cliff

News flash

Just as the Triangle was going to press we learned that the Levack team won the McCrea Cup, making them the best first aid team among mining companies in Ontario. They now go into national competition in Toronto later this month.

Tapper Rocky Gagnon, right, shares some insights into his work with Chuck Baird.

Chairman visits Copper Cliff

Charles Baird, the chairman and chief executive officer of Inco Limited, visited the company's Copper Cliff operations last month. His itinerary included a visit to the Copper Cliff mill and a look at construction of the pyrrhotite rejection circuit. Mr. Baird also toured the Copper Cliff smelter where he met and chatted with employees.

Jake Clement, left, smelter foreman, introduces Mr. Baird to Vic Sukoluk, a skimmer.

Part of Mr. Baird's tour of Inco operations included an examination of progress in the construction of the new pyrrhotite rejection facility at the Copper Cliff mill. Here, from left, are Tom Parris, vice president of mining and milling, Mr. Baird, Marty Puro, superintendent of the Copper Cliff mill, and Ron Brown, assistant to the president.

Inco Cu

The grand finale of the Inco Cup came with the presentation of the "hardware" to the top team and top individuals. Here is the 1981 crop of ski champions, from left, Marnie Pettit, top female, Michelle Van De Kaa and Rick Lewon, representing the top club, the North Bay Ski Racing Club and Peter Vassbotn, top male.

Action from dual slalom ski races during the Inco Cup competition at Adanac Hill.

While mild conditions forced the cancellation of the third leg of the Inco Cup Series at Timmins, spring delayed itself long enough to allow the fourth set of races to take place at Sudbury's Adanac Hill last month.

Slalom and dual slalom events were held. At the end of the day's competition the winners of team and individual awards had been decided for the 1981 edition of the Inco Cup.

Marnie Pettit, daughter of Ron Pettit of mines engineering at Copper

Marnie Pettit takes a break before the dual slalom event.

Gary Foy, area supervisor of industrial relations at Frood-Stobie and Garson, awaits instructions from officials below the hill before starting the next race.

p Final

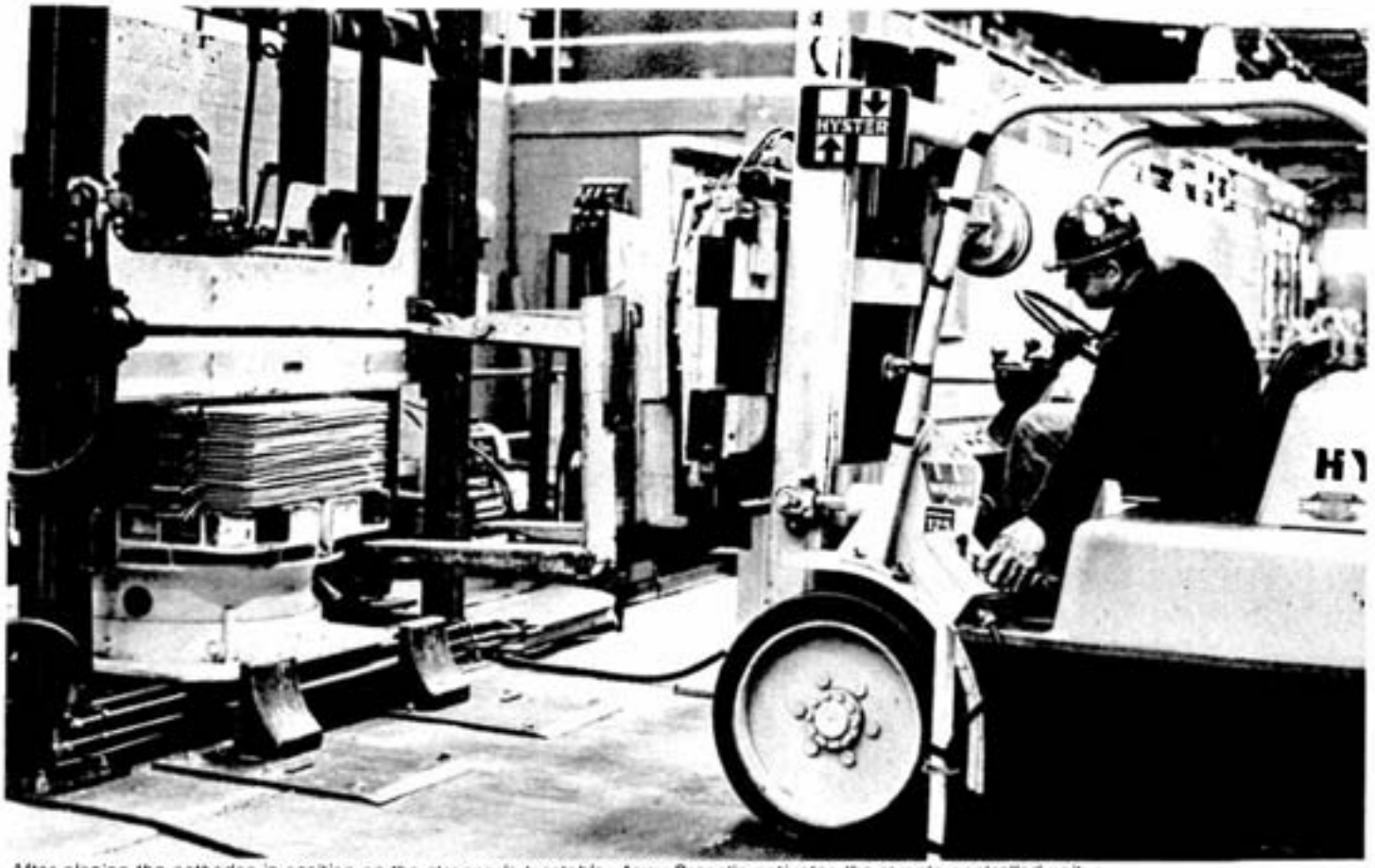
Cliff, captured the individual award for the top female skier. Marnie skied for the Adanac-Laurentian Ski Club. Peter Vassbotn of the North Bay Ski Racing Club took top honours among male skiers this season.

The best performance by a team over the entire series was given by the North Bay Racing Club. Inco vice-president Frank Sorochinsky presented the Inco Cup to Michelle Van De Kaa and Rick Lewon of North Bay.

Volunteers always play a big role in making every Inco Cup race a possibility. Here, Ron Pink shows great form in repairing the finish area at Adanac Hill.

Frank Sorochinsky, vice-president, administration, left, presents the Inco Cup to representatives of North Bay Ski Racing Club, Michelle Van De Kaa, centre, and Rick Lewon, right.

Tom Babic of the Sault Ski Runners blasts off on his way to the finish line in the men's giant slalom. Action took place at Searchmont Valley in Sault Ste. Marie during the second race in the Inco Cup series.



After placing the cathodes in position on the strapper's turntable, Army Bresolin activates the remote controlled unit which in turn activates the strapper. The platen then descends, compressing the cathodes into a tighter package.

Process laborer Maurice Loiselle directs the forklift operator as he stocks the strapped cathodes.

Mel Malynyk receives direction from process laborer Maurice Loiselle as he stocks the strapped cathodes.

New strapping machine At Copper refinery

It's all done safely in a matter of a few minutes. Some 5,000 pounds of full plate electro-refined copper cathodes are strapped together into a neat, box-like package, ready for weighing before being shipped to the customer.

The new, full plate electro-refined copper cathode strapping machine, located in the wirebar storage building at the copper refinery, is the first of its kind in the Ontario division, according to Brooks Matthews, production assistant at the copper refinery.

"The strapping machine was installed to improve operation efficiency," Brooks said. In the past copper cathodes were strapped manually, a procedure which required many hours and men to complete. There was no facility for straightening the cathodes before they were strapped. "The new strapper reduces the time and manpower required for strapping the cathodes," Brooks explained. "It also provides a neater, more secure package for our customers."

Strapping copper cathodes now is basically a three-man operation. It involves a cathode handler truck operator, a forklift operator and a process laborer whose responsibilities include guiding the operators safely to the proper positions at the strapping machine, as well as ensuring that the strapping machine area is clean.

A fork-lift type vehicle with a hydraulically powered clamp attachment capable of rotating 360 degrees, is the backbone of the operation. The cathode handler truck operator removes a number of copper cathodes from the vertical narrow gauge cars and transports them to a steel bumping block where they are squared and put into proper position for strapping. From the bumping block, the cathode handler truck operator takes the cathodes to the automatic strapper.

There, the same operator activates the programmed strapping sequence on the pulpit-shaped remote automatic console. With guidance from his helper, the same truck operator places the cathodes in proper position on the strapping machine's turntable. He then pushes a button on an upright remote controlled unit which in turn activates the hydraulically-powered strapper.

A hydraulic platen or press descends, compressing the cathodes into a tighter package. The platen remains in a compressed position while the 1¼ inch wide steel strapping wraps around the cathodes securing them into a tight bundle. The table turns 90 degrees and the strapping procedure is repeated. "This crisscross type of strapping secures the cathodes well for shipping," Brooks commented.

The forklift truck operator removes the strapped cathodes from the table and stocks them for future weighing or places them on flat cars for immediate weighing.

"The strapping machine produces a high quality package for our customers," said Ray Moskalyk, plant engineer at the copper refinery and one of those responsible for the installation. "We've been very pleased with the machine's performance."

Cathode handler truck operator Army Bresolin straightens the cathodes against the bumping block.

Family Album

Family Album Photos

If you are an Inco employee and would like your family to appear in the Family Album section of the Triangle please let us know by calling 682-5425, or send in your name to the address on the masthead.

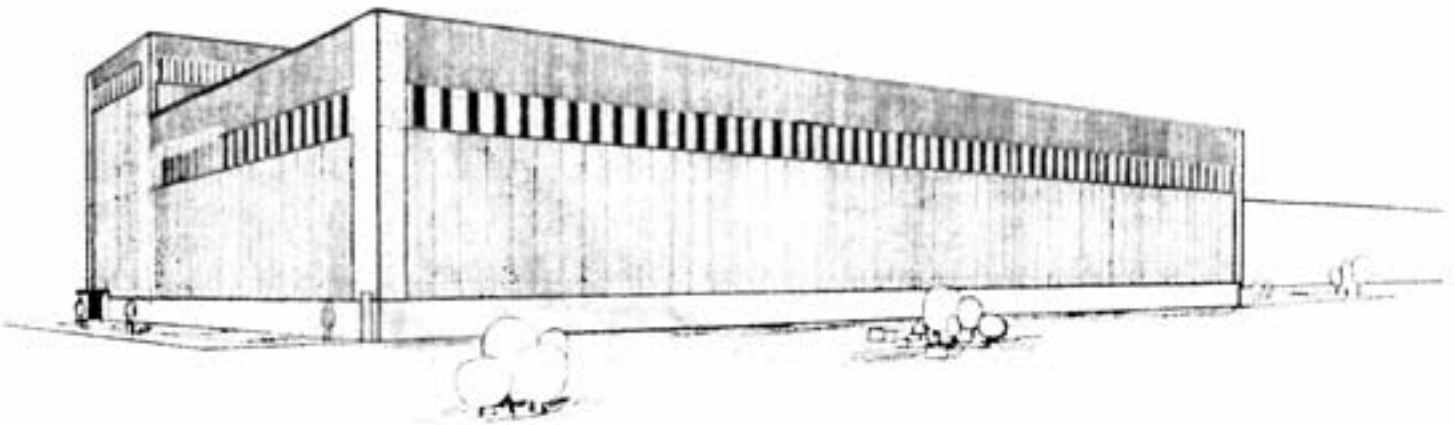
Joyce Huneault is keypunch co-ordinator in the computer services department in Copper Cliff. Joyce and daughters from left, Debbie, 23, Sue, 18, and Cathy, 20, make good use of the family cottage at Long Lake. In the winter they take to the lake to do some skating and cross-country skiing. Bowling is also a popular winter pastime. The warm summer weather draws them to the cottage, where they swim, pitch horseshoes and go boating. Debbie is employed at Inco's purchasing department in Copper Cliff; Sue attends Lively District Secondary School and Cathy works in Sudbury.

Al Lippold, an instrument designer in the general engineering department, has been working at Inco for 12 years. Al and his wife Marlene, have two active youngsters, Mark, 3, standing, and Jamie who is 2 years old. Dad readily admits the boys are experts in raising havoc around the house. Al is involved in hockey during the winter and blooperball in the summer. Marlene likes to sew, swim and crewel which is similar to embroidering, in her spare time.

Marcel Demers, a driller at McCreedy West mine, has been working at Inco for 11 years. Marcel, his wife Ann, children Mellissa, 4, Genevieve, 17 months, and Ramsey, 4 months, spend the summer months at the cottage at Lake Penage. Marcel icefishes in his spare time and is often accompanied by a fellow lover of the sport, daughter Mellissa. Ann enjoys sewing and cross-country skiing in her leisure hours.

AROUND THE PORT

news and views from the Port Colborne nickel refinery



Site preparation for the new electro cobalt refinery at Port Colborne is steadily progressing. Some of the underground services are currently being installed and construction of the actual building is due to begin later this month.
The project began last summer with the demolition of the abandoned electrolytic nickel refining tankhouse. Due to be completed in the fall of 1982, the new 28,000 square foot building is shown in the drawing above. The photo shows the construction site as it appeared in mid-March.

*In an effort to become more self-sufficient in producing audio-visual presentations a camera and copy stand has been purchased at the Port Colborne nickel refinery. **Gerry Grawey,** of the process technology, looks through the new camera mounted on its lighted copy stand. He's photographing artwork that will become a slide for a presentation in his department.*

Inco people help m
Operators Confe

Following their tour of mining operations underground at South mine, delegates took part in an in-depth discussion on what they observed underground with South mine personnel. South mine geologist Elwood Wohlberg, right, displayed an ore sample, characteristic of those found in the Sudbury region, to delegates Clark Jochimsen of J.S. Redpath Corporation, left, and Jim Lambkin of the Hudson Bay Mining and Smelting Company.

At the request of Bill Collis, chairman of the Metal Mining Division of the Canadian Institute of Mining and Metallurgy and former manager of the Frood-Stobie complex, the Sudbury Branch of the Metal Mining Division hosted the CIM's fifth Underground Operators' Conference held Feb. 15 - 18 at the Holiday Inn.

Over 500 delegates registered for the conference, according to Merv Dickhout, formerly the general chairman of the conference committee and Inco's manager of mines engineering. Approximately 50 Inco delegates, many of whom were responsible for organizing the conference, were in attendance. Representatives from Canada, the US, Germany, Ireland, Peru and India took part in the three-day event.

The conference was held, Merv explained, "to provide and exchange information on mining procedures, new designs, developments and uses of mining equipment."

Activities during the conference included technical sessions in which

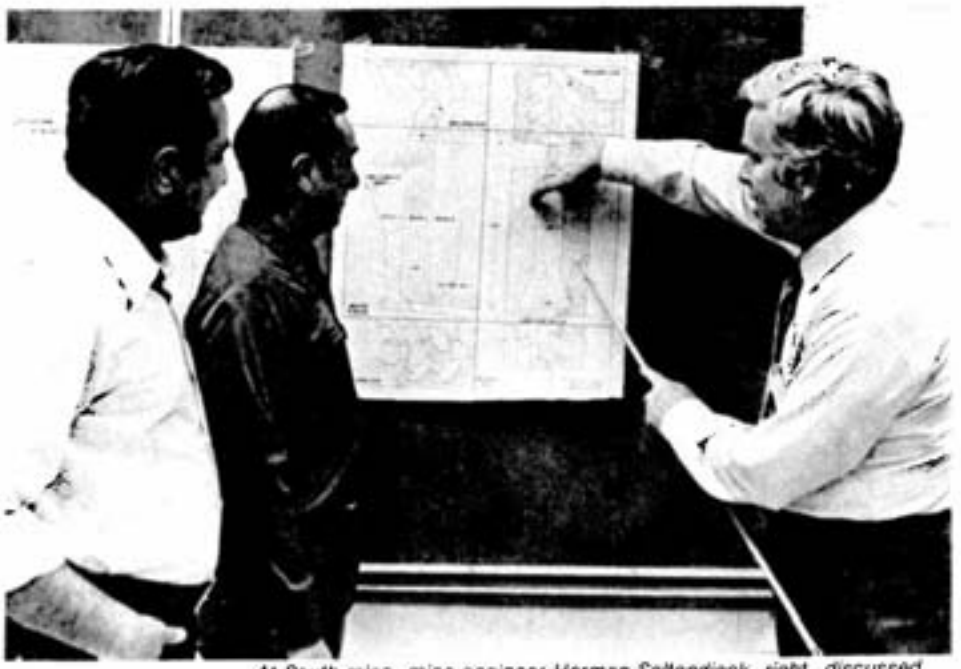
Geologist Elwood Wohlberg explained, with the use of a geological map, the origins of ore in the Sudbury Basin during the delegates' visit to South Mine.

ake Underground rence a success

representatives from mining-related organizations presented papers on specific aspects of underground mining methods. There were also underground tours of Algoma and Sudbury area mines such as Inco's Stobie, Creighton, Copper Cliff South and McCreedy West mines.

The conference was a big success for a number of reasons, said Merv. "The large number of people who attended was greater than we had anticipated. The technical papers and their presentations were of high quality and we had good audience participation."

"The social functions held in conjunction with the conference gave the delegates an opportunity to exchange technical information," he added. "The underground tours were oversubscribed, which indicated the popularity of the tours. The assistance we received from the national CIM headquarters in organizing the conference also contributed to its success."



At South mine, mine engineer Herman Soltendieck, right, discussed pillar ore recovery by means of the vertical retreat mining method with the delegates,including Dave Sarin of Inco Metals Company, Manitoba division, left, and R.K. Irani of Cyprus Anvil Mining Corporation.

During a technical session, Keith Somerville of Inco Metals Company, Manitoba division, presented a paper on the development and implementation of functional training at Thompson mine.

Roger Cousineau, trumpet player in his first year with the band, flanked by Steven Taylor and Mary Aelick.

The Confederation Secondary School Rock Stage Band needs little introduction to the youth of Sudbury and area. The band members, most of them sons and daughters of Inco employees, have been boogying' their way into the hearts of many people for over a year. The result is almost always a standing ovation for every performance.

The Rock Band was formed a year and a half ago when the school's only music teacher, Norm McIntosh, realized the students of Confederation were bored with classical music. Enrollment in the music program had dwindled to 50 students and was in jeopardy of being phased out.

"The students here," says Norm, "are not excited about traditional school music programs. They don't like playing it and the audience is not thrilled about listening to it. So I changed the format to one they would

Members of the sax section are, from left, Ann Gustin, Susan Babcock, Robert Gustin and Jackie Samuels.

Music instructor Norm McIntosh makes the whole thing work.

Confederation Secondary School A stage band with a difference

enjoy playing and the audience would be happy with. Now we stay with 'top 40' music - radio hits the audience can sing along with. This can be difficult at times because we must be able to play the song darned close to the original record. But we must be good at it because the first time we played in the gym here the audience was on their feet all through the performance."

In addition to playing at area schools, the band has been entertaining the general public at functions such as the Santa Claus Parade, the Snow-A-Rama for Timmy, telethons and an appearance on Cable 7. Recently, they hosted a Band-A-Thon at their school, in an effort to raise funds for a spring tour of Southern Ontario.

"Our main objective, this year, is to have our music heard, to make it known to the public. After all, if no one hears us, what is the sense of working so hard?"

Norm admits the performances are not typical of other school music departments. The many strobe and spotlights, along with dry ice effects, are evidence of this. But rock music allows for more self-expression on the part of band members. Going 'on the road' has enabled them to realize the amount of hard work involved in performing professionally.

"The success of the band cannot be attributed to the performances alone," says Confederation's principal Bill Marotta. He feels the students' respect for their teacher, and Norm's own personality, are the driving forces behind the band.

"Norm is a very energetic person. He's very enthusiastic about the program. He gives a tremendous amount of time to these kids, over and above what is required. But he is a demanding teacher and the kids love it," says Bill.

To Norm, the band is a dream come true. The 26 year old conductor spent most of his teen years playing in a rock band. Today he finds himself right at home playing his electric guitar and singing Johnny-B-Good with the band.

"The kids and I love this band a lot," says Norm. "There is not much for them to do here in the Valley. Instead of hanging around street corners they spend their free time practicing. And because of all the time and hard work involved in putting our shows together, these kids have less time to get themselves into trouble. That's great. I think we've got one of the best, most accomplished bands in the Region."

co in the mmunity

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

*The **Sudbury Symphony** has launched another successful season thanks to loyal season's ticket subscribers and contributions from government and corporate sources. Included in the list of donations is a cheque for $5,000 from Inco Metals Company. The money helps the 65 member orchestra cover various operational costs. The next Sudbury Symphony event "Pops Concert" will be on May 2nd.*

Ron Orasi,** records administrator in the office services department, visited Lively District Secondary School recently to make a presentation on records and information management to grade 11 and 12 commercial classes. During his presentation, Ron talked about future trends in filing such as microfilm and computer assisted retrieval. Here Ron discusses information on records management with students from left, **Heather Streich, Heather McCannell** and **Christine MacLean.

The smiles couldn't have been brighter on the hundreds of visitors who attended the official opening ceremonies for the Critical Care Unit at the Sudbury Memorial Hospital recently. The hard work and financial support from the Sudbury community culminated in the opening of the 15-bed special care unit for the critically ill — intensive care, coronary care and burn patients.

*One of the guests participating in the ribbon-cutting ceremonies was **Ron Brown,** assistant to the president of Inco Metals Company, Ontario division, assisted by master of ceremonies **John Crandall,** president of the Sudbury Memorial Hospital Board of Governors. Inco has donated $50,000 to the Critical Care Unit fund drive. The $1,053.00 already raised, is just shy of the hospital's target of $1,096,000.*

The unit features up-to-date medical services such as a burn bath, jacuzzi and pressure-controlled isolation rooms. "We were pleasantly surprised with the genuine community involvement in this project," said Esko Vainio, executive director of the Sudbury Memorial Hospital. "The establishment of the critical care unit reinforces Sudbury as the hospital care referral centre for northeastern Ontario."

R.D. Parker final — a thriller to the end

Over 300 people jammed into the Inco Club auditorium last month to witness the R.D. Parker first aid competition final between Levack mine, all-mines and mills champions, and the Copper Cliff copper refinery, smelting and refining titlists.

By evening's end the Levack team had prevailed and carried home the coveted shield. They also earned the right to represent Inco at the McCrea Cup competition.

The problem, devised by Inco's safety department, was imaginative, elaborate and very realistic. It proved to be a true test of first aid skills.

The setting was a burning motel along a highway south of the city. Not equipped to enter the building, the competitors had three patients to move away from the building and treat. One of the victims was hanging from a motel window and needed to be rescued with a ladder. While they worked feverishly with the task at hand, competitors had to deal with the antics of the agitated motel owner, played beautifully by Hayes Kirwin, a plant protection officer at Creighton.

As in a real life situation, Parker Shield problems always have surprise incidents. This time, firefighters arrived on the scene and found a young girl, Robin Derochie, daughter of first aid instructor Dave, in the burning building suffering from smoke inhalation. After a fireman had given mouth to mouth resuscitation to the youngster, the first aid people were to take over, comfort the child and her worried mother, Janet Kenyon, who happened upon the accident.

Just when everything seemed under control, the competitors heard a loud rumbling, followed by a crash. Stumbling out of the motel was a seriously burned fireman, Paul Kenyon, who they had to treat promptly and properly. Judges stood on the set scrutinizing every move made by the contestants.

The realism, which has become a hallmark of the Parker Shield tradition, was attained once more with the construction of a motel facade. Smoke, created by dry ice, billowed out of the structure, while the semblance of fire was given by flashing orange and red lights installed behind the building. This set, along with many of the sets in the first aid preliminaries, was constructed by Lionel Rochon, plant protection supervisor at the Copper Cliff smelter, Ron Gilchrist, a plant protection officer, John Piazza and Armando Urso of the transportation department. Sound effects which included the crackle of flames, the crash of a falling building and the wailing of a firetruck siren were provided by Doug Stickles.

Tension reached a crescendo as Ron M. Brown, assistant to the president of Inco's Ontario division, stepped to the microphone to announce the new champion. He spoke the words "Levack mine" sparking a loud and long ovation from the audience and a round of leaps, bear-hugs and self-congratulations from the elated winners. Levack was represented by Michel Belanger, Reg Chartrand, Rod Burns, Marcel Henri, Tom Luoma and coach Merv McLaughlin.

Among the first to congratulate the new champions were members of the copper refinery team, Gaetan Rainville, Ray Cottin, Lois Lawrence, Jane Proulx, Len Leclair and coach Norm St. Amand. Mr. Brown noted that this victory had broken a tie that had existed between the two managerial areas. Both had won the Parker Shield six times in the past.

This Parker Shield competition was historic in two senses. It marked the first time that female first aid competitors had participated in the final. It also marked the last time that the contest will be held in the confines of the venerable Inco Club. The company will be moving its offices from the club to new quarters in downtown Sudbury.

Scenes from the R.D. Parker competition

Just when everything seemed under control the Levack mine team had to turn their attention to a badly burned fireman.

Michel Belanger, left, of Levack mine, prepares bangages while Rod Burns, centre, analyzes the condition of the patient. Judge Dr. Wally Woychuck analyzes the situation.

Tom Luoma of Levack mine rescues one of the fire casualties from a second floor window. Team member Michel Belanger offers a helping hand below.

Levack mine's Marcel Henri, centre, asks one of the fireman about using his oxygen mask.

The men responsible for constructing the Parker Shield are, from left, Armando Urso, Lionel Rochon, Ron Gilchrist and John Piazza

Members of the copper refinery squad carefully lift a victim onto a stretcher.

Len Leclair, back to camera, and Lois Lawrence from the copper refinery team enlist the help of bystander, Hayes Kirwan and fireman, Wayne Tonelli. Judge Dr. Wally Woychuck, left, keeps a close eye on the proceedings.

The R.D. Parker Shield
Steeped in history

In its 44 year history, the R.D. Parker Shield competition has become known as the ultimate test of a first aid team's knowledge, imagination and dedication. Inco Pensioner Bert Debney played a great role in molding this and other first aid contests at Inco into the high calibre challenges they are today.

The son of a St. John's Ambulance enthusiast, Bert was born in England and came to Canada with his parents in 1913. He lived in Toronto until 1930 when he moved to Sudbury and a job as a first aid man with the company at Frood mine.

Bert recalls the first aid facility at Frood as being the first such permanently staffed operation at Inco. Previous to that, such responsibilities fell on the shoulders of the supervisory staff.

Not everyone was sold on the idea of maintaining a permanent first aid staff at a mine or plant. The Frood facility, he says, was an experiment to judge its merits. Adds Bert laughingly: "The Frood set up was a test to see if we were worth the powder to blow us across the room."

Along with two other men qualified with St. John's Ambulance certificates, Bob Kennedy and Fred Ribout, Bert worked, on a three shift basis, caring for casualties both on surface and underground. He notes that they were "trying to prove we were valuable and an asset to the hospital."

To further their cause in the eyes of management, the first aid men entered the provincial first aid competition. "We stuck our necks out and entered a competition for the McCrea Cup (a trophy donated a few years before, for first aid competition among Ontario mines, by the Honourable Charles McCrea)," recalls Bert.

Without an inkling of how a first aid competition was conducted, Bert and his mates took part in the McCrea Cup challenge. To everyone's surprise, including their own, Bert's team finished only one point behind the champions, McIntyre Mines. He notes that this may have made a difference in the company's attitude towards first aid men and their functions.

The following year, 1931, Bert, with Bob Kennedy, Fred Ribout and Percy Smith once again competed for the McCrea Cup. This time the Incoites swept to victory in the prestigious competition. In recognition of this historic occasion, the first Inco win at the provincial meet, Bert and his teammates were

feasted and feted by the company.

Thereafter the gospel of first aid began spreading throughout Inco's operations in the Sudbury area. First aid facilities become permanent fixtures of each mine and plant. Bert and his confreres found a powerful supporter in Ralph D. Parker, general superintendent of the mining and smelting division. Mr. Parker, he says, thought that every man should be armed with the knowledge of what to do in case of a serious accident whether it was on or off the job.

From that time on, Bert and other first aid people spent many hours instructing interested workers, during their off time, in the basics of first aid. He remembers it as being a "strictly voluntary thing" and very popular. Mentions Bert: "We were using rented halls, any place we could get, to get the men started in training."

By 1936 the idea of starting first aid competitions for all Inco plants was proposed. Up until then competitions existed on an inter-departmental basis in Coniston only where groups of St. John's Ambulance trained men challenged one another for the John L. Agnew Shield. Now departmental winners would contest the plant championship. If successful they would eventually reach the all-plants final and the championship symbolized by a trophy donated by Mr. Parker, the R.D. Parker Shield.

Up until this point, first aid contests in Canada were conducted without the staging that is part of competitions today. The casualty situation was presented on paper. Competitors read and absorbed. Then, Bert remembers, men were quizzed, while attempting to visualize the situation, by the judges. "The man with the best memory won," he maintains.

No one particularly liked that way of doing things but no one had offered any alternatives either. Bert, who had recently transferred from Frood to Copper Cliff, found he had been given the responsibility of organizing new competitions. This he discovered upon asking a senior official, "What are we going to do about this competition? Don't ask me," was the man's reply. "You'll think of something." Bert was offered one guideline only: "R.D. wants something different!"

Bert had been reading some first aid magazines from England that detailed how the English had been making their competitions more interesting by using different visual effects. He thought something similar should be attempted with Inco's new competitions. When he proposed an accident should be staged and competitors scored on how they reacted to the situation his superiors were "horrified". "You won't get away with that sort of thing," he was told.

Continued on next page

The Coniston entry in the 1939 competition worked earnestly on the patient but just failed to win the title. Members of the team were R. Gustin, captain, E. Alberts, A. Belanger, and G. Tessier. Judge Dr. R.B. Robinson scrutinized the team's procedure.

Many of the difficult problems and highly realistic settings were devised by these gentlemen photographed during the 1960 championship. Tom Crowther, left, and Bert Debney of the safety department.

Parker Shield (continued)

Bert, along with Marshall Kostash and Tom Crowther, continued planning the first situation for the first Inco interplant first aid competition. Everything was kept strictly confidential so no team would have an unfair advantage by knowing the problem ahead of time.

On the evening of March 25, 1937 Bert, acting as master of ceremonies, explained what would transpire to the "brass" and the spectators that filled Memorial Copper Cliff Community Hall. To gauge the effect of what he said on his superiors, Bert says he closely monitored the motion of R.D. Parker's jaw as he chewed tobacco.

The teams, representing Copper Cliff, Creighton, Coniston and Frood, were instructed to react to the situation exactly as they would to a real accident. The problem they faced was a patient, lying on the floor, who had been working on the railway track near the end of a steel car. The engine hit the car from the opposite direction, knocking the victim down heavily. Blood stained one arm and his left leg was bent in an unnatural position. The teams were given two minutes to study the problem and map out their plan of action. Questions pertaining to the safety of the location and the patient's condition were posed by the team to a presiding doctor. Once enough information was gleaned a diagnosis was made and treatment given.

In the final step of the competition, the patient was carried to the first aid room where a doctor awaited the team captain's report on the patient's condition and the treatment given. The practical test was followed by an oral examination on phases of St. John's Ambulance work.

This novel approach to first aid competition was extremely well received by the audience and the competitors. Mr. Parker, Bert reports, "was just tickled." It marked the first time in Canada, and probably North America, that this method of conducting a competition was employed.

Realism is the hallmark of the Parker Shield competition. Competitors in the 1958 final worked on two men injured in a windstorm and faced collapsing buildings, disrupted telephone service and, pictured here, a third very unexpected patient when a looter was abruptly shot by the police.

Thereafter, Bert explains, props got better and simulations grew more elaborate. Striving to make the situation as realistic as possible, he eventually introduced sound effects. "They thought I was crazy," he chuckles. Now sound and visual effects are an integral part of the Parker competition. Simulated fires and explosions are now considered commonplace.

For the sake of realism, Bert injected the element of the unexpected into his situations. Competitors have been surprised by everything from bears (someone dressed up as a bear) to looters being shot by police while working on victims of a windstorm. This, in addition to the incredible detail of each situation, has made the Parker Shield a true test of a first aid team. "To win the Parker Shield you have to be the top dog," Bert adds.

Long ago Bert reasoned that since first aid men rarely happened upon emergencies fully equipped, the element of improvisation should be injected into competitions. "Often we wouldn't supply them with everything," Bert states. "They had to look for things we had secreted on the scene and use them to their advantage."

Planning situations and sets was both meticulous and demanding. Bert and his co-workers had a model of the auditorium with which to work out a set for each accident. Coming up with an entirely new situation with an appropriate number of complications and challenges, was times slightly exasperating. Every spring though, Inco's first aid teams faced another tough competition.

From the time of its inception, the Parker Shield competitions have not lost their basic thrust; to introduce and instruct workers to the basics of first aid and arouse a consciousness for doing things safely in and out of the workplace. The first aid program at Inco, Bert comments, has paid handsome dividends in terms of lives that have been saved and suffering that has been eased over the years.

Bert retired from Inco in 1970 and remained involved with Inco's first aid competitions for a few more years before moving to Markham, Ontario where he currently resides. In his time with the company, Bert became known as "Mr. First Aid", a rather appropriate name for a gentlemen who has contributed so much to the evolution of first aid competitions at Inco and who introduced a system that revolutionized competitions in Canada.

The line gang goes to school

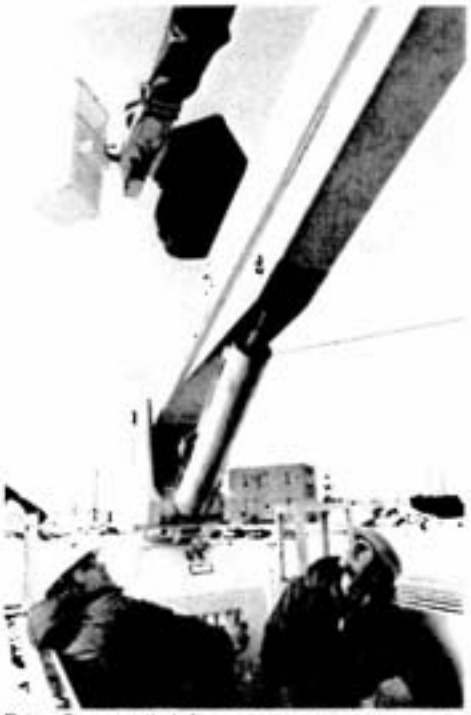
Members of the line gang from the power section in the central utilities department were given the opportunity to brush up on their skills in the safe operation of line clearing and hydraulic aerial equipment during recent training exercises sponsored by the Electrical Utilities Safety Association of Ontario.

The week-long program was conducted "to refresh the men's memories on clearing lines and operating hydraulic aerial equipment and how to conduct that work safely," explained Bill Hunt, safety training instructor with EUSA. The program consisted of practical as well as theoretical training.

The first part of the program dealt with safety in line clearing operations. The course included discussions and demonstrations on electrical theory, ropes and rigging, electric shock and high line hazards.

An accident prevention course followed, focussing on personal protective equipment, electrical hazards and work area protection.

Much time was devoted to the hydraulic aerial equipment course which centered on the classification and identification of types of hydraulic equipment used in the utility industry, an introduction to the theory of hydraulics and the application of radial boom derricks and insulated aerial devices. Most of the course was conducted in the field to give the men the opportunity to gain practical experience in operating hydraulic aerial equipment.



Brian Cresswell, left, operates the controls of the double bucket hydraulic lift as Glen Ganton observes the extension.

Members of the line gang are back row from left, foreman Don Harper, Ron O'Shell, Brian Cresswell, Gary Ackland, Dewar Williamson, Delbert Merrylees; front from left, Lloyd Meadows, Jim Harber, Glen Ganton, Lorne Kidd, foreman Bucky Basso.

Sudbury Inter-club skating Competition

Tom Talbot, president of the Dowling Figure Skating Club and a plant protection officer at Coleman mine, pins up some results of the competition for, from left, his nine year old daughter Bonnie Jean, Kathryn Parrill, 10, whose father, Calvin, is a driller at Coleman mine, and Jim Conners. Jim is president of the Levack Figure Skating Club and a foreman at Levack mine.

On the weekend of January 31st the Dowling-Levack Figure Skating Clubs hosted the annual Sudbury Region Five Inter-Club figure skating competitions. Nearly 400 youngsters, ranging in age from 6 to 17 years of age and representing 17 skating clubs in the district participated in the meet.

The competition was rated a huge success by those who attended, a tribute in no small measure, to organizing chairperson Gayle Corelli, wife of Ron Corelli, materials co-ordinator at Levack mine, and the organizing committee. Many members of the committee, as well as the Dowling Levack Figure Skating Club, are Inco employees.

Some of the officials of the figure skating meet were, from left, Judy Michlowski, wife of Jimmy Michlowski, a maintenance coordinator at Coleman mine, Gayle Corelli, Art Closs, a machinist at the Copper Cliff smelter, and Vivian O'Bumsawin, wife of Vince O'Bumsawin, a driller at Coleman mine.

PEOPLE

Over the last year **Jack Fletcher,** president of the Total Loss Control Training Institute, has been conducting seminars with members of the occupational health and safety committees at Inco. Recently he talked to committee members from Coleman mine, Clarabelle Mill and Purchasing and Warehousing on setting guidelines for these occupational health and safety forums. The object of the seminars is to stimulate the committees to operate more effectively by enhancing the communications process. Here from the left, Jack chats with **Keith Rothney,** chairman of the general safety health and environment committee of Local 6500, and **Larry Banbury,** superintendent of safety and plant protection, smelting and refining, who gave a joint introduction of the course.

At the Frood-Stobie mill recently, representatives of the **Internal Energy Management Committee** met informally to exchange information on energy-saving projects under way in their respective areas. Here, **Maurice Taylor,** utilities engineer at the Frood-Stobie complex, second from right, discusses mine air metering with fellow internal energy committee reps from left, **Clair Bracken,** utilities supervisor at central mills, **Claude Kerr,** energy management co-ordinator in central utilities and **Tom Callaghan,** maintenance controller, Copper Cliff mines - Garson mine. The mine air metering system accepts flow, pressure and temperature signals and totals these results in actual flow rates. The system allows personnel to analyze the operation and efficiency of the complex's compressed air system and machines.

The **Honourable R. McClelland,** British Columbia's Minister of Energy, Mines and Petroleum Resources was in Sudbury recently to address the local Chamber of Commerce. He spoke on his province's concern regarding the new National Energy Program. Prior to his address the minister was given a tour of some Inco surface operations at Copper Cliff. Here Mr. McClelland, centre, listens to an explanation of electroplating of copper in the tankhouse from **Bill Buchanan,** right, manager of the Copper Cliff copper refinery, while **Pat Hrushowy,** left, the minister's Director of Communications, looks on.

PEOPLE

Nearly 250 delegates from throughout Northern Ontario attended the 14th Annual Northern Conference of the Data Processing Management Association at the Sheraton Caswell Motor Inn recently. Inco employees who belong to this non-profit professional association played an important role in the organization of this successful conference. **Larry Peyton,** a programmer analyst, chaired the organizing committee while **Ted Joiner,** a supervisor systems analyst, was responsible for exhibits. **Mel Chomlak,** a programmer analyst, acted as registrar for the event. Other members of the committee from Inco included **Jeannette Ayotte,** a programmer analyst and **Russ Thom,** a programmer. **Herb Pons,** a financial analyst, was a guest speaker during the conference. Here, from left, Herb Pons, Larry Peyton and Ted Joiner experiment with some display computers.

Wayne Knott, a process laborer at the smelter, has been inducted into the Wise Owl Club of Canada. The left lens of Wayne's safety glasses was shattered by a flying stone from a loader as it crossed the tracks in the converter building. Wayne has every reason to smile; his safety glasses saved his eyesight!

The Sudbury branch of the Canadian Red Cross held a blood donor clinic at the Clarabelle mill last month. Sixty four employees responded to the call to give the gift of life. Here, **Susan Bazinet,** a clinic assistant with the Red Cross, removes the needle from the arm of **Murray Jewitt,** an electrician at Clarabelle mill.

PEOPLE

Foreman Larry Laberge's crew at Coleman mine has gone two years without a medical aid dressing. Crew members are, back from left, **Clem Carriere, Pete Woods, Tom Behanna, Gerry St. Jean, Ray Kirkey, Larry Laberge** and **Gil Bolleau;** front, from left, **Denis Chartrand, Glen Atkinson, Pat Ryan** and **Jim Shaver.**

In recognition of longtime employees who have enjoyed years of accident free work, the Copper Cliff copper refinery has started an award program with an artistic flavor to it. Each month some deserving individual will have his portrait painted and displayed on a mural in the refinery. At the end of the month the individual will be awarded the portrait. The first recipient was **Louis Gazdic,** a welder specialist, who has worked for over 40 years without a medical aid. Pictured here are, Louis, right, and the artist responsible for the both the mural and the portrait, **Ziggy Cymbalski,** standing in front of the creations.

Geoff Eden, district administrator of the CNIB, right, accepts a cheque for $500 on behalf of the CNIB from **Bill Buchanan,** manager of the copper refinery. Inco's cheque was presented following Geoff's talk to copper refinery workers on the importance of sight preservation on the job. Over the last two months Geoff has spoken to over 800 workers at the copper refinery. His presentations, it seems, have been very effective. Medical aids concerning eyes have dropped significantly since Geoff began his chats.

PEOPLE

Joe Harapiak, a maintenance mechanic at the smelter, has every reason in the world to smile. A safety belt saved his life! Along with fellow maintenance mechanics, Joe was repairing the main hoist motor on the overhead crane some 60 feet above ground in the converter aisle at the smelter when his pipe wrench jammed against the motor base. With a hammer Joe was able to loosen the wrench, but as he stepped forward to retrieve it, he lost his balance and fell - only three feet, thanks to the safety line attached to his safety belt. Fellow workers quickly came to Joe's rescue, pulling him up to the platform where they were all working. "After an experience like that, I now realize the importance of wearing a safety belt," Joe stated. "It has made me appreciate life even more."

Bob Butler, supervisor in environmental control, fields a question from one of the 52 students from the University of Waterloo who toured Inco operations in Copper Cliff last month. As part of their studies of man and the environment and, more particularly, the acid precipitation controversy, the Waterloo students travelled north to gain an insight into the mining industry.

The annual smelting and refining safety luncheon was held last month with over 100 management personnel attending. Highlighting the event was the presentation of the All Plants Safety trophy for 1980 to representatives of matte processing, the best plant. **Gerry Larocque,** corporate safety supervisor at Texas Gulf in Timmins, was the guest speaker, giving a talk on the safety organization program at Texas Gulf. Here, from left, are **Gerry Larocque, Bill Collis,** manager of safety and plant protection, **Dennis Dion,** co-chairman of the Area Safety, Health and Environment committee, local 6500, **Hugh Judges,** manager of matte processing, co-chairman of ASHE, **Mike Sopko,** vice president of smelting and refining, and **Larry Banbury,** superintendent of safety for smelting and refining.

PEOPLE

Members of the parliamentary sub-committee on acid rain recently visited Inco facilities including the Copper Cliff nickel refinery and the Copper Cliff smelter. In the roaster building at the smelter, **Jose Blanco,** manager of the smelter, right discusses roaster operations with, from left, committee clerk **Jean-Claude Devost,** Inco Limited vice-president **Stuart Warner,** and committee members **Pierre Gimaiel** and **Tom McMillan.**

The crew in the shops alley warehouse at the smelter recently put in 100,000 man hours with no lost-time accidents or medical aid injuries. "We've gone two years without any injuries," stated warehouse foreman Ray Mossey, "and we plan to stay that way." Representing the warehouse crew are from left, **Roger Cardinal, Glenn Lavallie, Gerry Corby, Mike Turajlich, Joe Favot** and **Ray Mossey.**

In conjunction with the smelter safety department, the joint alcohol and/or drug committee held awareness workshops at the smelter on alcoholism and drug abuse during the month of March. "The workshops were held to make employees aware of the joint alcohol and/or drug problem and the services available to them through the program," explained Ed Cousineau, co-chairman of the joint alcohol and/or drug committee. Some 1,800 employees attended the workshops, according to Ed. "There was a very high degree of interest shown at the workshops," he said. Here, some participants of the awareness workshop discuss the joint alcohol and/or drug program. They are from left, maintenance mechanic **Malcolm Stembridge, Pat Poland,** co-ordinator of the joint alcohol and/or drug program, **Ed Cousineau,** co-chairman of the joint committee on alcohol and/or drug addiction, welder specialist **Angelo Ciavarella** and maintenance mechanic **George Watmore.**

Sudbury suggestion plan

Over $8,000 awarded this month

Major winners

$1810 **Harold Tunney,** now retired from central shops, led this edition of the suggestion plan parade by recommending the use of Fels-Povy in the repair of roller shafts and seal covers. In the past these jobs were either welded or sleeved which required considerably more working hours. Often heat from the welding process would bend the shaft causing a need for further repairs. Now repairs can be made with reduced labor costs without increasing material costs.

$1230 **Ernest Gervais** and **Fraser Oakley** at **Stobie mine** noticed that teeth adapters welded onto the surface of Hagg cader claws were breaking off. They suggested using an adapter that would slip on on both sides of the claw arm. Labor and material costs have been reduced significantly as a welder is no longer needed once or twice a month, and machines are no longer down for long periods of time.

$180 **Gus Alberton** at the **copper refinery** warehouse earned some extra cash when he pointed out that material costs would be reduced if filament tape used in packaging was replaced by a wider strip type of tape.

$150 A first class maintenance mechanic at the copper flash furnace at the **Copper Cliff smelter, Johnny Nadalin,** found that agitator shafts in the neutralizing tank were too long. With no anchor of any kind in the lower part of the tank, the shaft had a tendency of bending with a build-up of feed. He suggested installing a 6 inch TY 316 stainless steel channel across the bottom of the tank with a hardwood block bearing. Now the agitator rod does not bend, saving on the purchase of new shafts and preventing possible damage to the tank.

$125 The idea of installing valves to the lines of spare pumps to control the flow of copper into the desired pump earned **George Beaudry** of **matte processing** a nomination to the suggestion plan awards list. With the installation of these valves, employees now have control over spills or can actually prevent them. A cleaner work place, a better flow of copper, fewer pumps kicking out after spills and the ability to shut down pumps, are some of the benefits.

$125 A potentially hazardous situation at the oxygen plant was rectified by an observant **Reg Deacon** of **central utilities.** He noticed occasionally dripping on an oxygen line that reaches temperatures in excess of 350 degrees F. His suggestion to install a protective cover over the pipe eliminated the threat of the oil igniting and causing a fire.

$125 **George Kennedy** of **central utilities** suggested that a skid unit, servicing the copper and nickel refineries, be rewired and generally updated.

$120 **Leo Pharand** of the **Copper Cliff smelter** suggested that rubber ties be placed on the flue dust box in the converter building. Now the box is dumped in a more efficient manner that has improved environmental conditions.

$100 Using size 80 chains to drive Fimco filter agitators instead of the size 60 variety was a suggestion of **Joseph Barriault** of the **Copper Cliff smelter.** The size 80 chains are stronger and last two years longer than the other.

$100 **Ossie Parker** of the **Copper Cliff smelter** devised a method of strengthening the sheave assembly of a car puller. Now there is not as much pressure on take-up screws and less breakage.

Fraser Oakley and Ernest Gervais $1,230

Gus Alberton $180

Johnny Nadalin $150

Port Colborne suggestions pay off to the tune of $1,105

Major winners

$985 **Alex Hanuska** proposed the use of Tremplex paint to protect conveyor springs from corrosive conditions that led to spring failure. The coating was very effective, and repairs were greatly reduced, resulting in savings on parts and labor and improved operations in matte unloading.

$510 **Eric Butler** saw a way to eliminate spillage of screenings from the nickel rounds harperizer screen. This spillage was a recurrent problem and Eric made several suggestions which led to installation of a screw conveyor system.

$350 **Victor Goyak** recommended some improvements to reduce the wear on the feed chute to the S rounds crusher. By making the chute from heavier gauge steel, improving alignment to the crusher and installing a rubber liner in suitable position the wear problem was markedly reduced.

$160 **Jim Suess** suggested a design improvement on the screen printer for nickel rounds mandrels. His idea enabled easier and quicker maintenance on pneumatic cylinders by removing the guide bar and cylinder in one step.

$160 **Steve Koskocky** and **Roy Woychyshyn** suggested using wider dado blades for cutting notches in the plating tank woodwork. This eliminated the use of templates and permitted a faster, more accurate cutting operation.

$150 **John Mikolasek** and **Bob Surridge** suggested the use of jacks in dismantling reverberatory furnace bottoms. The jacks were used to dislodge bottom brick and proved more efficient than cranes for lifting and eliminated possible damage to cranes.

continued on next page.

Major winners from Port Colborne suggestion plan

Alex Hanuska — $985

Eric Bulter — $510

Victor Goyak — $350

Roy Woychyshyn, left, and Steve Koskocky split $160

Jim Suess — $160

John Mikolasek, left, and Bob Surridge split $150

Snowarama:
Raising money for the Ontario Society for Crippled Children

Some 150 snowmobilers hit the trails on a 100-mile trip in the Levack-Onaping area March 21 as part of "Snowarama", a fund-raising project sponsored by the Levack-Onaping Lions Club for the Ontario Society for Crippled Children.

Participating in Snowarama was Tom Rumley, a driller at Copper Cliff South mine, who presented a $500 donation on behalf of Inco Metals Company to the Levack-Onaping Lions Club.

Also enjoying the Snowarama activities was "Tammy", five year old Tera-Lyn Hartley, representing the Ontario Society for Crippled Children. Tera-Lyn is the daughter of Ivan Hartley who works at McCreedy West mine.

Tom Rumley, left, friend Dillon Kensley, both from Copper Cliff South mine, and Dillon's son Jamie, right, set off on the 100-mile excursion.

The oldest participant in Snowarama was Inco pensioner Pete Picard and the youngest participant was his granddaughter Colette Denault.

"Tammy", Tera-Lyn Hartley, draws the winner's name for a pair of snowmobile mitts during Snowarama activities. Assisting her is Snowarama chairman Hilliard Johnston.

Flouride added to drinking water

In compliance with a fluoridation by-law established by the Regional Municipality of Sudbury, Inco Metals has implemented fluoridation at its Vermilion River water treatment plant. The treatment plant supplies drinking water to the communities of Creighton, Walden, Copper Cliff, Murray Mine and 11 Inco facilities.

Inco Metals installed the fluoridation equipment which was supplied by the Region. "We are very pleased with the co-operation we've received from Inco in the fluoridation of water," said Doug Partington, co-ordinator of environmental services with the Regional Municipality of Sudbury.

Fluoridation is a highly effective method of preventing dental cavities, primarily among children. Under the surveillance and control of a water treatment technician, approximately one milligram per litre of a fluoride compound is added to the drinking water. "Our objective is to maintain the amount of fluoride compound between .8 and 1.2 milligrams per litre," explained Ed Nevala, supervisor for sewage and water in the central utilities department. "The fluoride level must be .8 or above in order to be effective for cavity prevention."

The fluoride compound is added to the water in liquid form. A specific analyzer monitors the flouride ion concentration continuously. "In addition, we make routine checks daily on the plant effluent," Ed said. "One random sample is also analyzed daily from the distribution system."

Some 38,000 cubic meters or 10,000,000 gallons of water is fluoridated daily at the Vermilion River water treatment plant, according to Ed. Of that total, approximately 10 per cent is consumed by domestic users, while the rest is supplied to Inco facilities. The automatic control and metering of the fluoridation system was designed and installed by Inco's general engineering and central utilities departments.

The system is maintained by the central utilities department. The annual maintenance costs for the fluoridation system are minimal, Ed added. "It costs us a fraction of a cent per thousand gallons which isn't much, considering the part the fluoridation plays in the prevention of cavities.

"We've had no problems with the new equipment. We've been very pleased with its performance."

Bill Romas, water treatment technician at the Vermilion River water treatment plant, records the results from the automatic flouride monitor.

Brian Harris, left, water treatment technician, and Guy Rivard of the instrumentation department, look over results from the automatic flouride monitor.