



*The Triangle*  
AUGUST 1979

# The Triangle

Editor,  
Rudolph Kneer



## On The Cover . . .

What better time to take advantage of this year's bumper crop of delicious blueberries than during the noon lunchbreak! Sitting pretty amidst a rather formidable blueberry patch adjacent to Creighton mine's No. 9 shaft are, from left, Creighton mine lovelies, Pauline Tario, clerk-stenographer, Elvi Mikkola, secretary, and Vivian Bortnak, clerk-stenographer.

Par for the course:

## Arnold Palmer Attracts Record Crowd at Idylwyld Golf and Country Club



Arnold Palmer, that venerable dean of golf, had no trouble adding new recruits to his legion of admirers when he visited Sudbury recently for a one-day visit under the auspices of the Idylwyld Golf and Country Club. The day was highlighted by a luncheon, followed by a clinic and a round of exhibition golf by the master himself. Competing with Arnold, among others, were Incoites John McCreedy, vice-chairman, Inco Limited, Thomas Parris, vice-president, mining and milling, Inco Metals Company, and Sid Segsworth, general foreman, Copper Cliff copper refinery, along with Rio Algom representatives Frank Jackson and Jim Rudack. Posing for the Triangle photographer prior to their round of golf are, above, from left, Frank Jackson, John McCreedy, Arnold Palmer and Jim Rudack. Below, Thomas Parris is trying to sink his ball on the 14th hole, closely observed by Arnold, left, and a gallery of local golfing enthusiasts.



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A process assistant in the Copper Cliff smelter converter department, 'Buck' Vaillancourt has been with the company for 10 years and, along with his family, enjoys camping and fishing in Northern Quebec. His other hobbies include carpentry and Bar-B-Queing. Pictured with his wife, Janet, are son Terry, 4, and daughter Tammy, 7.

## Family Album

This is the Wesley Dunlap family. Wes, a dewatering man at the Iron Ore Recovery Plant, is presently planning a three-week vacation trip to his native Nova Scotia. Family hobbies include camping in the summer and cross country skiing during the winter months. That's his wife, Gerry, along with children Randy, 15, Karen, 5, and Stephen, 7.

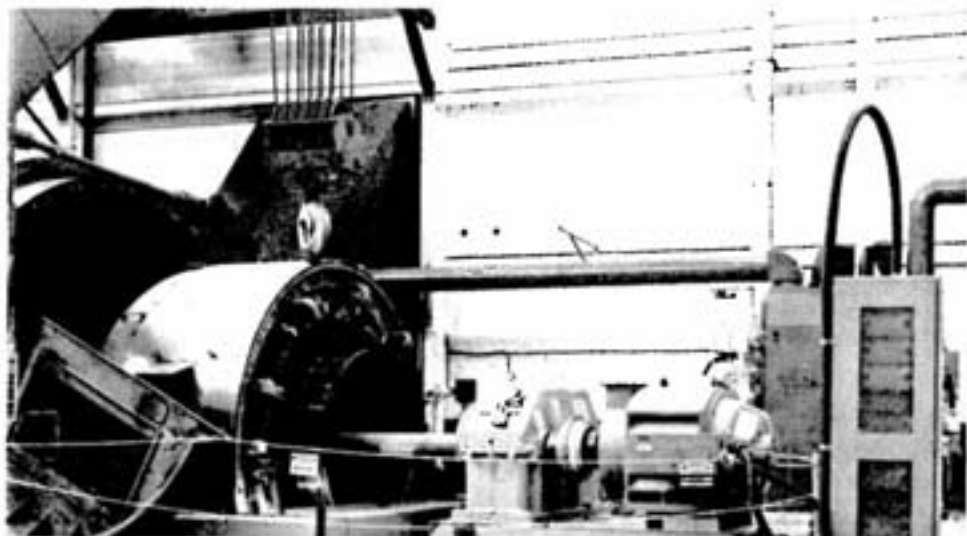


This is the ever-active Dick Beaver family from Copper Cliff. Dick, the Ontario Division comptroller, and his four children are ardent baseball enthusiasts. As well, father and his three boys all don their skates during the hockey season. With his wife, Gail, are Randy, 17, John, 15, Normie, 11, and Tracy, 8.

Posing with her twins, Craig and Kurtis, 23 months, is the proud mother, Fi Ceppetelli, and her husband Brian. Fi, a librarian with computer systems in Copper Cliff, enjoys bowling and racquetball in her spare time. Brian is a physical education teacher at St. Charles College in Sudbury.







All set up for machining — the skip hoist motor, left, will be rotated by a 350 hp drive unit, right, driving a Hamilton gear reducer to turn the skip hoist motor at 11 rpm, which is the proper speed required for machining.



Winder apprentice Larry Solski undercuts the mica on the skip hoist motor commutator. Mica is the insulation between the copper segments.

# Commutator- “A device alternating

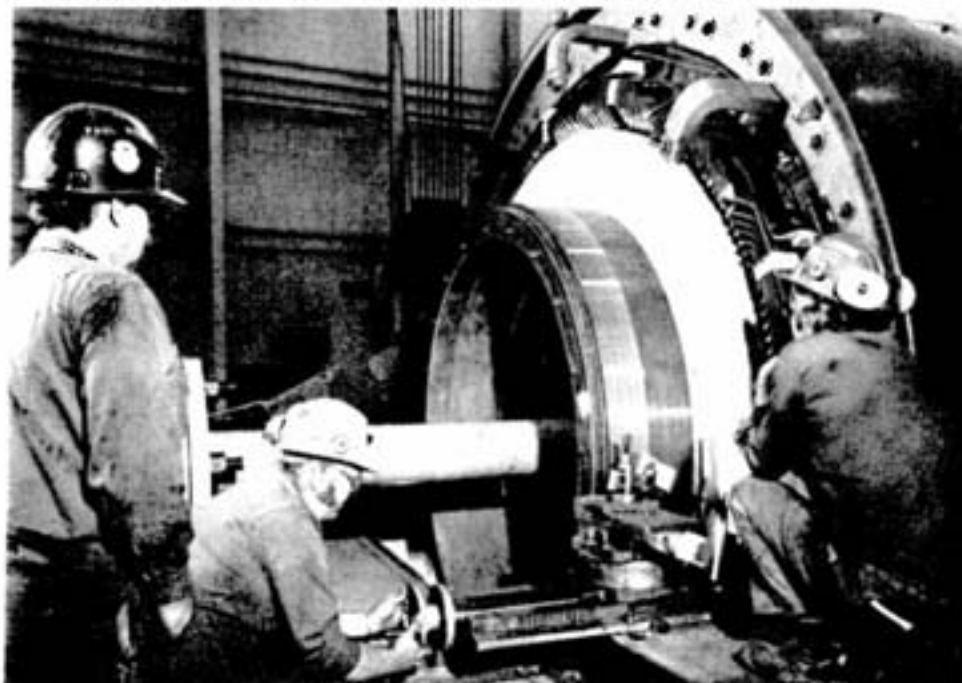
## Creighton No. 9 shaft— machining the commutators on skip hoist motor and generator.

While definitions may vary from one dictionary to the next, the basic meaning of a word remains pretty well constant. In the specific case of motors and generators used in our hoisting

operations, a 'commutator' refers to 'that end of an armature upon which carbon brushes ride, providing electrical contact to power the armature.' So says Ray Condie, area maintenance superintendent, Creighton complex, who provided The Triangle with details regarding the recent machining of the commutators for Creighton No. 9 shaft's skip hoist motor and generators.

The massive 6,500 HP skip hoist motor has been in operation since 1969 and is the largest in the company, servicing a 7,137-foot-deep mine shaft. Regular maintenance is therefore an absolute

Machining in progress — a compound from a lathe has been mounted and fixed on steel supports. Creighton maintenance personnel involved in the procedure are, from left, welder Paul Roy, first-class machinist Glen Phillips, and maintenance foreman Art Van Allen.



Here, the cutting tool of the lathe remains stationary during the actual machining of the skip hoist motor commutator, which is rotating.





*Don Phillips, first-class winder from the Copper Cliff winding shop, uses a special tool to bevel the slots in order to eliminate sharp edges.*



*Positioning the top bearing cap of the No. 2 skip hoist generator are, from left, Don Golloher, second-class garage mechanic, Jim Pentney, first-class rigger, Don Stephens, maintenance foreman, and Barry Van Horne, first-class maintenance mechanic.*

## used for the conversion of current to direct current"

necessity, and, in this case, the machining project called for the combined efforts of the Creighton maintenance department and the Copper Cliff winding shop.

A special drive assembly was used to rotate the hoist motor; the unit was made up of a 350 HP crusher drive motor, driving a Hamilton gear reducer to turn the hoist motor at 11 RPM, which is the proper surface speed for machining the commutator.

Actual machining was carried out by a compound from a lathe, mounted on steel supports. The insulating mica was then

undercut to allow the carbon brushes to ride on the copper segments, and the slots were beveled to eliminate sharp edges which might interfere with the brushes.

According to Condie, the machining of the motor and generators will provide good electrical contact between the carbon brushes and the commutator surfaces.

*On loan from the Copper Cliff winding shop, first-class winder Bill Keyes, left, and winder apprentice Jean Paul Holte perform the critical alignment of the brush rigging on the commutator surface of the skip hoist generator.*

*Ken Crump, left, first-class maintenance electrician and Jim Pentney, first-class rigger, install bolts on the No. 2 generator armature.*



# Pistol packin' shooters are cautious



Alex Hubert, a jumbo driller at Creighton mine, aims at a target on the 50-yard range. His gun is a .22 cal. self-loading target pistol. Hearing protection is mandatory on the firing line.

There were no "Wild Bill Hickocks" at the All-Ontario Outdoor Handgun Championships, held recently at the Sudbury Revolver Club's ranges in Garson. Shooting from the hip and fast-draw artists were frowned upon by the 134 competitors, who preferred to emphasize safety and serious target shooting.

The 33-year-old Sudbury Revolver Club has its own 320-acre site on Maki Road, just off the Garson-Coniston Road. There are three outdoor ranges, and one that is used only in the winter, which combines indoor and outdoor shooting.

Competitors of the championship meet used both .22 rimfire pistols and .38 and .45 calibre centrefire revolvers and pistols. Many of the guns have custom-made grips for more comfortable handling while shooting, and all of them have special target sights. Many handgun shooters like to add weights to their gun barrels for better balance and steadier holding.

According to Sid Wasitis, of the Sudbury Revolver Club and an employee of the Copper Cliff smelter training group, a competition-set of pistols, including both .22 and

Adjusting the sights on his .45 cal. Colt pistol is Sid Wasitis, of the Copper Cliff smelter training centre. His gun box is mounted with a spotting scope to view scores on the target 50 yards away.



Sherri Wuorinen, left, and Shelly Henderson examine the high scoring target shot by Wayne Tonelli, a plant protection officer at the Copper Cliff smelter. Wayne scored well in the Duella portion of the match.





# serious group

**"... to become a good pistol shot requires constant practice to develop automatic co-ordination between the eyes and the arm. To achieve such a degree of skill, a man should shoot thousands of rounds a year."**

heavier centrefire, can cost nearly \$900; \$300, however, will buy a good .22 pistol, which is what most beginners start with. To this, most shooters add a special gun-box and a small telescope which they use to view their shots after they land on target. This way, they can check the drift caused by wind, and how accurately they are scoring.

According to Sid, to become a good pistol shot requires constant practice to develop automatic co-ordination between the eyes and the arm. He explains that to achieve such a degree of skill, a man should shoot thousands of rounds a year.

Sid says that owning a handgun is illegal unless the weapon has been registered with the OPP, and a carrying permit has been obtained from the same source. He adds that permits are only issued to members of organized handgun clubs and that owners are restricted to carrying the weapons to club ranges and competitions.

"Plinking" or taking pot-shots on fishing and camping trips is illegal. This is because handguns are concealed weapons and are very lethal. A .22 pistol shot will carry over a mile.

Object of the competition, according to Sid, is to shoot into a tight group of about three inches on the target. In this way, he says, the score is guaranteed. At 50 yards, a three-inch group will score about 85 out of a possible 100.

Both rapid-fire, five shots in 10 seconds, and time-fire, five shots in 20 seconds, are run from 25 yards. At 50 yards, slow-fire is used, and 10 minutes are allowed for 30 shots.

Olympic-style shooting, which is used in international matches, requires hitting turning silhouette targets, and 60 shots are fired at 25 and 50-metre distances. The Olympic-style differs from American in that metres are used instead of yards to measure the range, and fewer precautionary words of command are

used by the rangemaster to start the firing.

Safety on the range is a must, and all shooters wear noise suppressors or ear plugs to protect their hearing from the sharp barks of the pistols. A rangemaster and several assistants watch for safety infractions.

A dud shell, or any malfunction, is called an "alibi", and the competitor having such an emergency must cease firing and have his weapon inspected by one of the range officers. The rangemasters also protect the competitors by ensuring that everyone is ready to fire at the same time and that all weapons are safe before anyone steps out in front to check targets.

It is interesting to note that no gun-related accident has ever been recorded, thanks to the stringent safety precautions applied during regular and scheduled shooting events.

*At the 25 yard targets, shot in the standard pistol match, competitors compare scores. Numerous women competitors turned out for the well-attended four-day event.*



## New Divisional Shops Complex:

# Component Repair Centre In New Location

Now fully operational at its brand new location, the Component Repair Centre (CRC) formerly at Froid-Stobie, is once again humming at top speed, rebuilding major components for all of Inco's Ontario Division operations.

Housed in the company's new Divisional Shops Complex about a mile east of the Copper Cliff smelter, just past the F.B.R. building, the CRC



*An overview of the power train rebuilding area at the company's new component repair centre in Copper Cliff.*

*Watching closely, garage mechanic Rolly Lefebvre operates a new brake drum lathe.*



*Sy Jean, garage mechanic, disassembles a fuel injection pump.*

*Reassembling a 10-cylinder Deutz engine in the engine assembly area is garage mechanic Vic Pregelj.*





features the latest in equipment and utilizes the most up-to-date technology.

Some of the repairs and rebuilds taking place in the CRC's 19,600-square-foot shop area include work on diesel engines, torque converters, transmissions, axle assemblies, starters and alternators, hydrostatic pumps and motors, pneumatic parts, hydraulic pumps, valves, and cylinders.

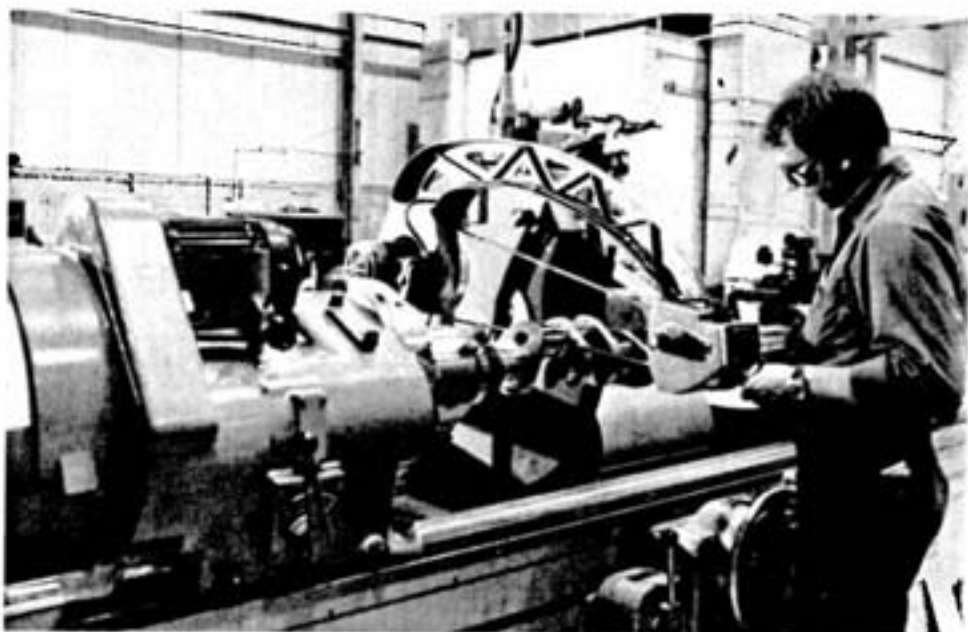
According to Al Wiita, shop coordinator, the CRC is now a self-sufficient operation, containing all the equipment necessary to perform complete engine rebuilds. In addition, a newly-established mobile overhaul area takes in pieces of mobile equipment for repairs and rebuilds that were previously performed outside the company. "Our aim, with the equipment we have, is to not only

produce a quality product, but to also provide a finished product that will perform longer . . . we're after increased engine hours."

And as far as the new working environment is concerned, Al added that "morale is high, the fellows are enthusiastic."



Steve Dominick, garage mechanic, knurling valve guides on engine heads.



At the crankshaft regrounding area, garage mechanic Bob Huzij polishes crankshaft journals.

Garage mechanic Richard Lampman operates the connecting rod reconditioning machine.



Gerry Barnett, garage mechanic, keeps a close eye on readings at the alternator test bench.





**Bruno Tramontini**  
\$1,990 Award  
Copper Cliff  
Divisional Shops



**Bob Rossett**  
\$660 Award  
Copper Cliff  
North Mine



**Gus Albertson**  
\$480 Award  
Copper Cliff  
Copper Refinery



**Vic Brunato**  
\$275 Award  
Copper Cliff Smelter



**Oscar Bourgeois**  
\$245 Award  
Levack Mine



**Lucien Brabant**  
\$245 Award  
Levack Mine

## Levack Mine Employee Splits Maximum \$10,000 Suggestion Plan Award— Copper Cliff Smelter Employee Collects \$1,995

A Levack mine employee has hit the suggestion plan jackpot! Daniel Sherrington recently picked up \$5,000, his share of a \$10,000 award, for suggesting that an automatic slimes injection system be installed at loading pockets underground, resulting in a considerable labor saving. His co-suggestor, Bill Moir, formerly of Coleman mine, also received a \$5,000 award. This is the first time in the history of the suggestion plan that the maximum \$10,000 prize has been awarded.



Levack mine's Daniel Sherrington, right, accepts a \$5,000 cheque from Glen Strutt, Levack mine superintendent. The money represents Daniel's share of a \$10,000 suggestion plan award, the highest paid to date.

**Bruno Tramontini**, of the Copper Cliff divisional shops, was awarded \$1,990 for his idea to fabricate casting building eye bolts less expensively.

**Bob Rossett**, of Copper Cliff North mine, picked up a total of \$660 for two ideas. He was awarded \$510 for his suggestion to modify air lines to enable the garage auxiliary compressor to supply other surface buildings. He received another \$150 for suggesting a different way of heating the water tank in the main dry.

**Gus Albertson**, of the Copper Cliff copper refinery, clicked with his idea to purchase pre-cut lumber at a lower price. He was awarded \$480.

**Vic Brunato**, of the Copper Cliff smelter, was paid \$275 for his suggestion to install curved plate on splash plates in the converter slag bays.

Four Levack mine employees, **Gerard Brabant**, **Joseph Guerin**, **Oscar Bourgeois** and **Lucien Brabant**, split \$245 for two ideas relating to modifications to hydraulic jacks.

**Murray Veno**, of the Copper Cliff smelter, was the recipient of a \$230 award. He came up with the idea to install higher voltage bulbs for bridge lights on overhead cranes.

**Joe Jennings**, of the Copper Cliff nickel refinery, was awarded \$150. His winning idea was to install new

bearings on the S.P. conveyor rollers.

Three Coleman mine employees, **Dave Kozachanko**, **Jean-Paul Roy** and **Robert Lafrenier**, split a \$150 award for their idea of constructing a special flat-bed truck for transporting screen underground.

**Bert Mallette**, of Levack mine, was awarded \$150. He suggested a method to keep Grangesberg cars with broken flanges on track.

**Enis Harris**, of the Copper Cliff smelter, picked up a \$150 for his idea of securing hot metal cars while under repair.

**Mike Bazylykut**, of the Copper Cliff smelter, was another \$150 award winner. He split the award with **J.P. Levesque** for an idea to center



Joseph Guerin  
\$245 Award  
Levack Mine



Murray Veno  
\$230 Award  
Copper Cliff Smelter



Mike Bazylykut  
\$150 Award  
Copper Cliff Smelter



Enis Harris  
\$150 Award  
Copper Cliff Smelter



Joe Jennings  
\$150 Award  
Copper Cliff  
Nickel Refinery



Dave Kozachanko  
\$150 Award  
Coleman Mine



Robert Lafrenier  
\$150 Award  
Coleman Mine



Bert Mallette  
\$150 Award  
Levack Mine



Jean-Paul Roy  
\$150 Award  
Coleman Mine



Ken Ryan  
\$145 Award  
Copper Cliff Smelter



Mike Comeau  
\$130 Award  
Copper Cliff  
Nickel Refinery



Dave Baker  
\$125 Award  
Copper Cliff  
Copper Refinery

adjusting screws on roaster take-up feed bolts.

**Ken Ryan**, also of the Copper Cliff smelter, is \$145 richer for his suggestion that a screen be installed on the flue dust line.

A \$130 award went to **Mike Comeau**, of the Copper Cliff nickel refinery, for designing an improved power limit switch on cranes.

**Dave Baker**, of the Copper Cliff copper refinery, collected \$125 for his idea to increase dryer screen capacity for drying nickel salt crystals.

**Jane Proulx**, of the Copper Cliff copper refinery, suggested that the tankhouse cell ends be lined with plastic sheeting. Jane received \$120 for her idea.

**Simon Lapointe**, of the Copper Cliff smelter, was awarded \$100 for his suggestion to install screw jacks on both sides of tapping matte chutes.

**Fred Vincent**, of the Copper Cliff copper refinery, received \$100 for his idea to relocate butterfly window winches.

Two Froid mine employees, **Julien Lalonde** and **Harold Clerk** split a \$75 award for their suggestion to install wear plates in front of the resistor bank on electric trolleys.

Another Froid mine employee, **Glen Johnston**, received \$60 for his idea to install oil tank heaters for Howden & Parson compressors.

**Martin Kupris**, of Garson mine, came up with the idea to have sensor

probes for loading hoppers relocated. He was awarded \$50.

**Norm Oglestone**, of Levack mine, collected \$90 for his suggestion to install a vertical baffle plate at the end of the sandfill plant grizzly rails.

**Albert Ouellet**, retired, was handed \$115 for one of his numerous suggestions. For this one he suggested welded reinforcement on the Tampella boom rail.

**Looking for  
some extra  
cash? Put  
your ideas  
to work now  
and join  
the ranks of  
our many  
winners!**



Jane Proulx  
\$120 Award  
Copper Cliff  
Copper Refinery



Simon Lapointe  
\$100 Award  
Copper Cliff Smelter



Fred Vincent  
\$100 Award  
Copper Cliff  
Copper Refinery



# MOTOCROSS

Skilled drivers provide thrills in demanding, specialized

Sudbury area residents are being treated to the thrills and chills of a very gruelling sport - motocross, thanks to the Nickel Riders Motorcycle Club. Incoites make up a large segment of the 45-member club, an affiliate of the Canadian Motorcycle Association.

Motocross is a motorcycle race using high-powered machines on a rough, closed circuit. Motocross has a lot of similarities to scrambles, but its races are longer and are run on tougher courses, making it more challenging to ride and more exciting to watch.

Purpose of the local club is to promote motorcycling, particularly its competitive aspects. According to Jim Scott, the club's president and area engineer for the Levack mines complex, members participate in motocross and scramble races across the province. As well, the club has attracted riders from outside areas.

The local track is located near the Rocky Mountain Ranch in Val Caron. Set in hilly terrain, the six-tenths-mile circuit offers several excellent vantage points for spectators, and its dirt surface runs over many twists, turns and bumps. Although many of the cycles could reach 100 mph plus in a straightway, the course's tricky terrain has seen a best-so-far lap of 60 seconds.

Machinery in motocross racing is specialized, and equipment necessary for legal use is abandoned for precious weight gains. The resulting power-to-weight ratio puts a lot of throttle in the hands of the driver. Virtually all motocross racers are powered by two-cycle engines that are characterized by a very high running speed. Engine speed limits in excess of 10,000 rpm are not uncommon. Power is delivered to the fierce-looking knobby tires through five-speed transmissions. The revs needed to stay in the maximum torque range produce a deafening roar from the finely-tuned expansion chamber exhaust systems.

At the beginning of a "clutch start" race, where the drivers' clutch hand must not fall before the starter's flag, spectators' senses are overcome by the roar of the engines, the cloud of



Ken Silver, right, a driller at Creighton mine, gives his 370 cc Can-Am a last inspection before entering the "Open Class" race. He is assisted by Harry Northorpe, a welder specialist at the Copper Cliff smelter. Ken came first in the race.

The sport is catching on. Over 400 spectators, many from out of town, turned out for the event. The next race is scheduled for September 2.



# and chills sport

dust and the smell of the burned oil-gas fuel mixture. In the scramble to get to the front of the pack, front wheels are often in the air from drivers coaxing too much acceleration from the overpowered beasts.

Average outlay for a motocross machine is about \$2,000, and brutal driving results in frequent motor rebuilds, in spite of the excellent design and workmanship on the bikes.

Safety is on everybody's mind in the Nickel Riders Club. Affiliated with the Canadian Motorcycle Association, the club runs strict safety checks on all bikes before any race they organize and see to it that riders are decked out in the mandatory helmet, leather pants and boots that protect the legs to eight inches above the ankle. The club has a full staff of corner flagmen, lap counters/timers, first-aid attendants and an ambulance standing by throughout races.

The next motocross race, scheduled for September 2, is expected to attract top drivers from across the province.



The six-tenths-mile circuit offers excellent vantage points for spectators, and drivers have to negotiate many turns, twists and jumps. The course has seen a best-so-far lap time of 60 seconds.

Bernie Rouleau sits atop his bike following his winning race in the 250 cc class. Martin Carey, left, an employee of the Copper Cliff nickel refinery, was referee for the race. Bernie's father, Romeo, centre, an Incoite with the Copper Cliff smelter, appears pleased with his son's win.

Getting off to a good start is very important. Here, drivers lined up for the 125 cc junior race are getting set to take off in a cloud of dust and the smell of burned oil-gas mixture. It takes a finely-tuned engine and all available driving skills to get to the front of the pack.





Conference chairman is Dave Huggins, manager of Inco's process tech department and first vice-president of CIM.

## 600 Registrants Expected:

# Sudbury to Host 18th Annual Conference of Metallurgists

Sponsored by the Canadian Institute of Mining and Metallurgy, this year's 18th annual conference of Metallurgists will be held August 19 to 23 at Laurentian University in Sudbury. The international convention attracts hundreds of participants from the extractive mineral industries and, as an added feature, this year's program will include the first hearing of presentations on energy management by the Ferrous Energy Research Association, an organization comprised of senior

personnel from industrial and government energy authorities.

The conference is expected to attract a record attendance of between 550 and 600 registrants, and will provide an opportunity for Sudbury to present a positive image not only to Canadian and U.S. business and families, but also to overseas visitors.

Aside from contributing numerous technical papers, Inco's involvement in the Conference is manifold. The Ladies' program includes a guided tour of the Copper Cliff South mine. Following a luncheon at the Copper Cliff Club, slides and film describing Inco's tailings reclamation will be shown. This will be followed by a guided tour of Inco parks and the tailings reclamation-wildlife refuge area in Copper Cliff.

Members of the Conference will visit the Copper Cliff smelter, the Clarabelle mill and the Copper Cliff nickel refinery.

During the conference, Dr. Walter Curlook, senior vice-president, Inco Metals Company, will be awarded the H.T. Airey Award, supported by the Noranda Group of companies, "in recognition of highly significant contributions to the advancement of metallurgy in Canada in the industrial field."



Larry Banbury, in charge of all arrangements, is superintendent of Inco's safety department, S & R division.



Responsible for the technical program is Professor J.R. Rawling, school of engineering, Laurentian University.



Larry Seeley, of Falconbridge Nickel Mines, is the vice-chairman of the conference.



Adrienne Banbury is the Chairperson of the Ladies' Program.



Irv Reilly of Laurentian University is technical services chairman for the five-day conference.



## NEWSMAKERS . . . NEWSMAKERS . . . NEWSMAKERS



That's **Ron Simpson**, an employee with the packaging and shipping department at the Copper Cliff nickel refinery. Ron is in the process of loading 300 lb. drums with nickel powder. In the course of his duties, he wears a respirator to protect him from exposure to dust conditions.



Thanks to the fine efforts of Inco's agricultural department, who are continuing their long-established program of beautifying company locations throughout the Sudbury area, this fine family of ducks has established its home in the Wildlife Section of the Copper Cliff tailings area. According to **Jim Savage**, grounds supervisor, the ducks are doing just fine, feeding on insects as well as grass cuttings from the tailings area. The latest count reveals 25 ducks, with one mother duck just getting ready to hatch another 9 offspring.



Thousands of Sudburians crowded the beaches of Ramsey Lake and packed the grounds of Bell Park during the recent 8th Annual Northern Lights Festival. There were clowns and jugglers, kids and dogs and shutterbugs by the hundreds. Crowd pleasers this year were the Original Sloth Band, Sister Torch and Available Space. As anticipated, the festival was peaceful and easy-going.



Inco Metals Company power department employees recently lent a helping hand to Sudbury merchants by helping erect this banner for the annual Downtown Street Fair. Manning the Inco boom trucks are linemen **John Kelly** and **Jay Connors**, with **Albert Ceccolini** directing the traffic.

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



Work is well under way repairing the Garson mine No. 2 shaft, following a rock burst along the 3900 elevation in the early morning hours of May 8, 1979. Four highly experienced shaft repair crews - one from Levack mine, one from Creighton mine, and two from Garson mine - are presently working around the clock repairing the damage to the shaft. Two of the shaft crews posed for the Triangle photographer. Above photo, front row, from left, **Leo Landry, Ted Callaghan and Dave Fairbairne**. Back row, from left, **Terry Card, Bob Banks, Fred Goulet**, shaft foreman **Bernie Filion, Roger Santerre, Brian Restoule, Dave Stalker, and Barry Hewlett**. Below, front row, from left, **Morley Gauthier, Wayne Marois and Bert Garon**. Back row, from left, shaft foreman, **Herb Steen, Don Barr, Mel Stevenson, Alex Owens, Roy Blake and John Wotton**.



*Paul W. Parker*

**Paul W. Parker** has been appointed acting vice-president for Inco's Manitoba Division, effective August 1, 1979. He temporarily replaces Lorne M. Ames, who will be on educational leave for one year. Mr. Parker was most recently manager of the Creighton area where he obtained broad experience in mining, processing and administration since joining the company in 1960. **Graham Ross**, formerly manager of the Garson area has been appointed area manager, Creighton complex.



**Cadet-Sergeant Judy Taylor**, daughter of **Don Taylor**, general manager of Nickel Basin Properties, recently left for West Germany on an extended recreational-cultural exchange tour. Judy was selected for the trip as the best cadet in her company at the Ipperwash Provincial Army Cadet Camp. A Platoon-Sergeant with the Copper Cliff Highlanders, Judy took time out to study up on Germany with her commanding officer, **Captain Alex Gray**, prior to her trip overseas.

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



That's **John Clara**, left, who recently retired from the Copper Cliff copper refinery after 43 years of service. **Bill Brown**, administrative assistant at the Copper Cliff copper refinery, presented John with an engraved plaque, attesting to the fact that the retiree "achieved an outstanding contribution to safety by having worked his entire career without a disabling injury."



**Mel Young**, retired assistant to the Ontario Division president, was recently honored by members of the executive of the Sudbury and District Boys' Home for his and Inco's efforts in promoting the institution throughout the past many years. Bidding a fond farewell to ever-active Mel, second from left, are, from left, **Dan Tovey**, representing the Ministry of Education, "**Red**" **Pianosi**, and **Rev. Father Brian McKee**, secretary of the Boys' Home.



Proudly posing for the Triangle photographer are members of the Matte Processing department in Copper Cliff, winners of the 1978 All Plants Safety Award. The awarding of the first-place standing is determined by the relative standing of individual plants in three categories: lost-time-injury frequency, medical-aid injury frequency and injury severity. According to **Hugh Judges**, manager of matte processing, the award attests to the conscientious attitude that has been adopted by members of his department. "Their record serves as a fine example of safety in action," he said. The Triangle takes great pride in adding its congratulations for the exemplary safety record.



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



**George Moulton**, right, training instructor at the Copper Cliff smelter training centre, explains the workings of this scale model of a converter to a number of IORP employees who were temporarily transferred to smelter operations following a strike by CIL employees, which necessitated a shutdown of the IORP plant. Prior to their being placed into the smelter labor stream, all workmen were given a two-day induction course, covering all aspects of smelter operations. Above, George Moulton explains the layout of a converter hood to, from left, **Rusi Mistry, John Day, Bob Beaulne and Tom Lamarche.**



Sponsored by the Copper Cliff smelter safety department, a recent blood donor clinic saw a good turnout. **Tolvo Myllyharju**, of the separation department, matte processing, was one of many Incoites donating their blood to the Sudbury Branch of the Red Cross. Attending Tolvo are, from left, **Sandy Ralston**, a registered nurse, and **Judy O'Brien**, her assistant.



This year's annual Copper Cliff mines picnic, held at the Richard Lake campsite, proved to be another resounding success, thanks largely to the hard and dedicated work of members of the Copper Cliff Mines Association executive. Enjoying the antics of 'clown' **Darwin Skellter**, are, from left; **Anita Low, Eileen Galipeau, Maggie Melanson and Elard and Shirley Hein.**

## Inco Prizes Awaiting Winners of 1979 Garden Competition

The Carmichael Arena in Sudbury is the setting for this year's **Sudbury Horticultural Society Exhibition**, to be staged August 18 and 19. An important segment in this year's undertaking is the garden competition. This section is open to all residents living within a 15-mile radius of Sudbury; Levack residents are also included. Prizes will be awarded by **Inco Metals Company** on the basis of best home surroundings, with emphasis placed on layout, neatness and quality of growth of lawns, shrubs, flowers and garden. Membership in the Horticultural Society is not a requirement in order to compete in this section. Last year, on behalf of Inco Metals Company, Ellen Heale, horticulturist with Inco's agriculture department, presented the "Inco Rose Bowl" to Richard St. Onge, of 128 Wedgewood Drive, Sudbury, for "the best home surroundings".

NEWSMAKERS . . . NEWSMAKERS . . . NEWSMAKERS . . .




Servicing one of Little Stobie mine's mercury vapor light standards is a breeze for linemen **Jay Connors** and **John Kelly**. Here John stands comfortably and safely in the fibreglass bucket of the Inco bucket truck. With controls at the top as well as at the bottom of the boom, he can easily work as a one-man crew. Speed, efficiency and safety are some of the benefits enjoyed through the use of these versatile vehicles.



Inco's transportation department in Copper Cliff recently assisted in relocating an **Emergency Field Hospital** from the Waters Public School to the Lively and District Secondary School. The two hundred bed-capacity hospital is a functionally-packaged unit which is readily transportable and contains supplies and equipment to make it self-supporting for seven days. Back-up supplies are available to reinforce such a capability and extend this period to 30 days. The primary role of the Emergency Hospital is to reinforce, not to replace those hospitals on the perimeter of a disaster area. Above, left, **Dr. Frank Miller**, medical Officer of Health for the Sudbury Region, checks a portable anaesthetic machine with **Cec Walters**, of the Ministry of Health of Ontario.

**INCO**  
**PENSIONERS'**  
**DAYS**

Ontario  
Division



**SUDBURY AREA**  
August 20, 21, 22, 23, 24

**PORT COLBORNE AREA**  
September 6, 1979

Welcome, all Pensioners!  
Enjoy your visit



Were it not for the many innovative ideas put forth and developed by Inco personnel, this teletram, equipped with a large holding tank and a vacuum suction pump, would not be in service. Fabricated by the Levack West mine crew to clean up slimes from sumps and water from development headings, the unit underwent extensive testing before being sent underground. Teletram operator **Armand Beaudry** is shown at the helm of the new unit, with drillers **Gerald Golden**, centre, and **Gerry Lappam** attending the different controls.

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



Inco environmental analysts **Barry Bissonnette** and **Elizabeth Minard** are checking a readout from the mobile SO<sub>2</sub> monitor, mounted in this environmental control van. The monitor is used to verify predictions made concerning ground level SO<sub>2</sub> concentrations from the superstack and the IORP chimney. These readings aid Inco's environmental control department in refining the dispersion formulas. The unit, stationed in Copper Cliff, operates within a 20 kilometer radius.



When it comes to keeping members of their town council in line, leave it up to residents of the Town of Walden. No sooner had Mayor and councillors made their appearance at the recent Canada Day Celebrations staged at the Walden Arena, than they were hand-cuffed and whisked off to "Uncle Tom's Cabin", a steel-enforced cage, complete with unbreakable locks. According to **Mayor Tom Davies**, the non-voluntary lock-up came as quite a surprise, and councillors had to muster their best persuasive powers to obtain their release after being held captive for over one hour. Looking from the inside out are, from left, councillors **Alex Fex**, **Frank DeBurger**, **Dick Johnstone**, **Mayor Tom Davies**, and councillors **Bert Squirrel** and **Charlie White**.

## APPOINTMENTS

**Nicholas Beynen**, process assistant, matte processing, Copper Cliff.

**Gaston Binette**, process assistant, smelter process technology, Copper Cliff.

**John Canning**, safety foreman, Copper Cliff South mine.

**Dwayne Car**, senior geologist, field exploration, Copper Cliff.

**Ash Chowdhury**, industrial evaluator, industrial engineering, Copper Cliff.

**Gary Cotnam**, systems analyst, computer systems, Copper Cliff.

**Shirley Erkila**, receptionist, Copper Cliff nickel refinery.

**Mark Evens**, process assistant, matte processing, Copper Cliff.

**Bob Fabilli**, programmer, computer systems, Copper Cliff.

**Prashant Gatha**, project leader, smelter process technology, Copper Cliff.

**John Giles**, mine foreman, Stobie mine.

**Hilly Gilchrist**, programmer, computer systems, Copper Cliff.

**Jim Giles**, programmer, computer systems, Copper Cliff.

**Joan Haddow**, clerk-stenographer, mines engineering, Copper Cliff.

**Joseph Mora**, electrowinning process supervisor, Copper Cliff copper refinery.

**Jack Musico**, supervising industrial evaluator, maintenance industrial engineering, Copper Cliff.

**Roland Poirier**, process assistant, smelter process technology, Copper Cliff.

**Donald Smith**, project leader, smelter process technology, Copper Cliff.

**William Steenburgh**, project leader, smelter process technology, Copper Cliff.

**Rosemarie Tammi**, programmer, computer systems, Copper Cliff.

**Irving Tubman**, mill general foreman, Copper Cliff mill.

**Lenna Weatherill**, programmer, computer systems, Copper Cliff.

**Werner Weiss**, mine foreman, Copper Cliff South mine.



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



That's **Thomas Parris**, vice-president, mining and milling, Inco Metals Company, presenting the Inco Trophy to **Fred Silver**, this year's winner of the Idylwyde Invitational Golf Tournament. Silver, a four-time champion, defeated **Mike McBride**, of Mackland Woods, in a close contest. Fred, a former Copper Cliff native, was in good form in front of some 500 spectators. He ended up with a score of one-under-par when he closed out McBride. The low qualifier in this year's tournament was **Peter Zebchuk**, who defeated **Arnold Palmer** last year in an exhibition game at the Ottawa Hunt Club. The low Idylwyde player was club champion **Berk Keaney**.

## Logo Writer



Our logo writer this month is **Eric Blais**, a furnaceman with the Copper Cliff smelter flash furnace. In his spare time, Eric enjoys the great outdoors, fishing, hunting, camping and canoeing. He has been with Inco for the past 37 years.



**Johannes P. Schade**, senior-vice president, Inco Metals Company, second from left, along with his sister-in-law, **Sixta Rotterdam**, and his wife, **Liesel Schade**, recently toured the Copper Cliff smelter operations. Here **Dr. Jose Blanco**, superintendent of operations, Copper Cliff smelter, explains the workings of one of the smelter control panels to the visitors. Prior to the smelter tour, the trio visited underground workings at the Copper Cliff South mine, viewing mechanized stoping and development headings.



Moving a 70-ton section of a rotary drill is no easy undertaking, especially when it involves negotiating narrow roads, 20-degree hills and tight curves. "Nothing to it," says **Art Martel**, superintendent of Inco's Lawson Quarry, located some 17 miles south of Espanola. "Dismantling and moving most of our heavy equipment took less than three days, with Lawson Quarry crews looking after the bulk of the extensive preparations." The equipment was moved to the Clarabelle Open Pit, following the recent announcement that operations at Lawson Quarry will be closed down.

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



Over \$2,500 in cash, prizes and trophies attracted professional cyclists from far and wide to the Italian Festival Stage Classic, hosted recently by the Sudbury Cycling Club in conjunction with the Caruso Club. First place in the senior race was captured by **Gary Trevisiol** of the Sudbury Cycling Club, above, with **Susan Stradiotto**, right, queen of the Italian Festival and second princess **Rita Crisafi**. Not shown is first princess **Silvana Corazza**, a 1978-79 Inco scholar. Below, **Tony Maschio**, right, toolman with the Copper Cliff divisional shops and chairman of the Festival, offers congratulations to first-place Inco trophy winners, from left, **Carlo Dal Cin** from the Ottawa Cycling Club, and **Peter Penman** and **Howard Fex**, both from the Queen City Cycling Club.



That's **Charlie Chaperon**, topman on the 3800 level of Garson mine, manning the telephone, which keeps him in close touch with shaft repair crews. Charlie also operates the service hoist from the 3800 level deck, lowering supplies to the crews below via the No. 2 compartment of Garson's No. 2 shaft.



**Leo Laturnus**, superintendent of maintenance industrial engineering, Copper Cliff, is showing the boys how to get a hole-in-one at the Lively Golf and Country Club. An ardent golf enthusiast, Leo recently scored a hole-in-one on No. 5 hole (137 yards, par 3). Checking out Leo's swing are, from left, **Jim Curry**, supervising systems analyst, Copper Cliff, and **Len Mulligan**, a hoistman at Creighton mine.

## Just A Second

It takes one minute to write a safety rule.  
It takes one hour to hold a safety meeting.  
It takes one week to plan a safety program.  
It takes one month to put it into operation.  
It takes one year to win a safety prize.  
It takes one lifetime to make a safe worker.  
It takes one second to destroy it all with one accident!

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



Sudbury and district gardeners can take a tip from **Alex Gray**, of Inco's agriculture department, shown here with this bumper crop of Vendor-type tomatoes at the Copper Cliff greenhouse. The plants were grown as part of a study in nutrient feeding.



When it comes to whipping up a delicious meal, complete with all the trimmings, take a tip from **Glen Butcher**, a 2nd-class mechanic with the Copper Cliff smelter crane crews. Aside from being an active member of his local Legion, tending his luscious garden and caring for his backyard pool, Glen is well-versed in the culinary arts. The Triangle photographer was on hand to record this idyllic setting back of Glen's fine home. Eagerly awaiting the results of their father's cooking are, from left, **Brenda**, 13, **Randy**, 16, **Chris**, 14 and wife, **Bea**.



There's still time to register for this year's **IN TOUCH Pensioners' Golf Tournament**, slated for Tuesday, August 21, at the Lively Golf and Country Club. Send your application to **Rusty Dubery**, 202 First Avenue, Lively, Ontario, P0M 2E0. The entry fee of \$4 includes green fees and a delicious steak dinner. Applications will also be accepted by these committee members: John Woznow, Wes Hart, Jack Gladstone, Tom Gladstone, Jack Watkins, Harry Haddow and Leo Desilets.



**Palmo Santoro**, a 30-year Incolte with the anode transportation department at the Copper Cliff copper refinery, isn't the type to sit around idle in his spare hours. Believe it or not - Palmo has just completed building these two tables: the larger one contains no less than 70,416 pieces of wood, each measuring one-half inches in length and one-eighth inches in diameter. The smaller table took some 3,200 pieces to complete. Palmo's "building program" commenced in March 1975; the tables were completed by the end of May of this year.





Signing the guest book are Mrs. Jean Jarrett of Sudbury, Mrs. Virginia Cooper, from Vancouver, and William Jarrett, who retired from the Copper Cliff refinery after 38 years of service. Tour guide is Gerard Benedetti, of the Copper Cliff smelter.



Tour guide Vic Henderson, of the transportation department, explains the workings of a mine hoist to these West German visitors, from left, Klaus Kuhn, Angelika Sell and Frank Wappler. Summer tours last year attracted well over 5,000 visitors.

# INCO TOURS

Special buses take the visitors on a 90-minute tour. The guides say that many tourists are surprised to learn that Inco Metals Company recovers 13 other elements besides nickel and copper from its orebodies.



Tours of Inco at Copper Cliff, run four times daily except on weekends, have long been one of the Nickel District's most popular tourist attractions, and this summer thousands of people from all over the world are expected.

Tours are the responsibility of the Public Affairs Department, and headquarters for the five guides and greeting centre is the Copper Cliff Curling Club. One guide remains there to answer enquiries. Tours leave at 9:00 and 10:30 a.m. and 1:00 and 2:30 p.m.

According to tour co-ordinator Allan Cecchetto, the tourists visit the South mine hoistroom, the Clarabelle mill and the Copper Cliff smelter where they view the reverberatory furnaces and the converter aisle.

On the extended tour, the visitors travel by special bus. Over the intercom, the guides point out various features of special interest, such as other plant operations, recreational facilities, the park with trees and floral displays, and original log cabins on Clarabelle Road which were the homes of Copper Cliff pioneers.

What brings the visitors in? Some come on the suggestion of the Sudbury Chamber of Commerce office, others see the superstack and just drive in to investigate, but most have read of Inco's operations and planned to see them. Usually the organized groups write or call the Public Affairs Department in advance to schedule tours.