

The Triangle

Editor, Rudolph Kneer



ON THE COVER . . .

It's that magical time of year when the few remaining leaves bow to the first bite of frost.

Perhaps there's still time for you to take that scenic drive down your favorite country road and view the season's splendor.



The new consul of France in Toronto, M. George Estrade, second from left, on an extended orientation tour throughout the province, recently paid a courtesy visit to the Ontario Division of Inco Metals Company. At Copper Cliff he met with Mel Young, centre, assistant to the Ontario Division president. Pictured with the distinguished visitor are, from left, Mrs. Ann Lefrier, president of the France-Canada Association, and Mrs. Marthe Lalande, a member of the France-Canada Association. At right is Father Hector Bertrand, managing editor of "Le Voyageur".

#### Inco 1978 Reserved Scholarship Program for Children of Employees

Up to twenty-one scholarships will be awarded this year for university study. The awards have a possible tenure of up to four academic years and annually provide tuition and associated academic fees up to a maximum of \$1,500 and a grant of \$750 for other expenses.

ELIGIBILITY	Children of Inco employees enrolled in a program of studies required for university admission and who will graduate with a secondary school diploma in 1978.
SELECTION	An impartial scholarship committee will meet in May 1978 to select award winners on the basis of scholastic records. SAT/TSWE scores and personal qualifications. The names of the winners will be announced about June 1, 1978.
APPLICATION	Application forms should be requested early in the school year. Forms instructions and conditions governing the awards may be obtained from local schools or from :
	Scholarship Program Inco Limited P.O. Box 44, 1 First Canadian Place Toronto, Ontario M5X 1C4
	APPLICATION DEADLINE: MARCH 1, 1978

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### Chairman of Inco Metals Explains Production Cutbacks

John McCreedy, chairman and chief executive officer of Inco Metals Company, and Ron Taylor, Ontario Division president, recently appeared on CKSO Television where they were interviewed by George Lund, general manager of Cambrian Broadcasting, and Hartley Hubbs, television news director, regarding the recent layoffs at Inco Metals operations in the Sudbury District. Following are excerpts of the half-hour interview.



At the television studio, from left, Hartley Hubbs, Ron Taylor, John McCreedy and George Lund.

Announcer: Recent massive layoffs announced by Inco Metals have caused concern In Sudbury about the economic future of this Northern Ontario community. Inco has scheduled a 2,800man layoff for early in the new year, and will close its operations for a month next summer.

Tonight, to talk about those iayoffs and Inco's position, are John McCreedy, chairman and chief executive officer of the company, and Ontario Division president Ron Taylor. Here is your host, George Lund.

Lund: Good evening. As mentioned, about two weeks ago, Inco Metals Company announced the layoff of some 2,800 men in the Sudbury area. This follows last month's layoff announcement in Falconbridge. It left the Sudbury area in a state of shock — a city certainly concerned with its tuture. As these shock waves spread across Canada, politicians and the press had a field day. Citizens' committees were formed, politicians, business and unions, all represented. There were meetings held in Ottawa, meetings held at Queen's Park in

Toronto, Union officials reacted very strongly. After the initial shock, the concern settled down into three areas. First, the long term, the economic diversification that might be necessary - where is Sudbury going in the long run - secondary industry and the need for it, etc. Then there was the concern for the medium term - the next few years to get us over the trouble - the data centre that the federal government had already announced but perhaps could speed up something perhaps in Burwash, the provincial building, maybe - the construction of that being sped up - help from the various levels of government for the Sudbury Basin. And then there was the short term, and the unions reflected their major concern for that. They certainly were concerned in the long and medium term, but they were concerned with the short term and that is the state of the 2,800 men. With us we have Mr. McCreedy and Mr. Taylor. who this afternoon at 2 o'clock - either they or their representatives - discussed with the union officials the possibility of diverting that layoff or minimizing it. Gentlemen, in fact, did that happen and, if so, could you tell us what happened?

Taylor: Basically, we have agreed with the union not to speak with respect to these discussions that are going on. I think I can only repeat what Bill Correll' said, that they were encouraging, and we hope that they will remain so.

Lund: Does that word "encouraging," Mr. Taylor, indicate any possibility of that being minimized to any degree — the layoff?

Taylor: The goal is to minimize, but I think to speak beyond that would be infringing on our agreement.

Lund: Much of the emphasis by the various committees was placed on requests for rescinding the layoff. Just as much emphasis was put by you gentlemen on reminding everyone that the layoff was necessary and that, perhaps, there were future layoffs in the near future. Does that still hold true?

McCreedy: That still is something that we have to keep in mind. We're dealing here with our ability to sell nickel, and we'll be watching the market situation very, very closely in the future. Certainly, our plans for 1978 will depend a great deal on the success we have in our marketing activities. As you know, nickel is an international commodity - 95 per cent of what we produce here is sold abroad, and very little can be done in Canada to increase Canadian markets for nickel - it's such a small market. So, we're very much dependent on world business conditions. and world business conditions that directly affect Inco and the metals industry involve the steel companies; they're our big customers. Anyone who follows the business news today will realize that the steel business is not strong throughout the world. In the United States, so far this year 70,000 steelworkers have been laid off, 20,000 of them since September 1. And that's our biggest market area - the U.S. Now, within the steel industries, stainless is the most important consumer of nickel, and the stainless steel industries of Japan and the European Common Market are all having difficult times. We're hopeful that their markets will strengthen and they will consume more nickel. If they consume more nickel, we'll be after our share of the business, and whether or not further cutbacks are required will depend on our success in getting that business. We're not planning them, but we really are at the mercy of the marketplace.

Lund: The situation in the marketplace has caused you to make certain moves now. In other words, if the marketplace doesn't get any worse, you think you have corrected the problem.

Editor's note: Mr. Correll is vice-president of inco Metals Company, with responsibility for employee relations.

#### McCreedy: That single

Lund: Wettran a soltonalk rowell. Me McCrandy: Mr. Taylor, is earlier solar news creater, Harry Hubbs, Harry.

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McCreedy: Inuits right You have training gent Dr. Clubookis statement and there is no exemitivy requiring to the sure that I you check up on that you is see exactly what Dr. Curvok did say

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Lund: Two, dibrivery deficit for avion 760 and shot down the plant viewer or otherwei what you've achieved there.

McCreedy: We have planting the basing

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McCreedy: The capting core boom has not ansee Normally in a cycle of particular fail chimetal consumptions especially moved, we Fave a reserved as we had in 1973, a poak er 1974. Hen it tererah, falls off as fille av 1976. Then we have a gradual recovery, as anstain 1976 Neal Pulwasa consumer a) the people were sugged automobiles. und hiev were builting him ga for their homes. und we fluid an increase in trushiess. Now the pest place of the receivery more any osthe capital books industry. This involves the portaining of prants, and prants assing increasand fairly been markets for as that comparison boods. It esclutacital projects and percohen caliplairs chen carplants foronzer plants labor o whengy plants and If plus sophist cared operations. This particigreat deal of more in New we have been encecting this second path of the inclusion for come uniting. We expected the the raid har of 1976, tid on't aroun, we reprised the the Fist half of 1977, and after the second harr of 1977. It still has not annued land write oftexpectively antive very sound certainly red mu the fact run of 1978

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Taylor: That's are interpreter on that you remaking and it is much discut than what would be reliables that

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With the help of a 30-ton telescoping crane, Ray Cormier, left, and Martin Nowoselsky, both first class riggers, gently ease an old sheave wheel onto a waiting flatbed truck.

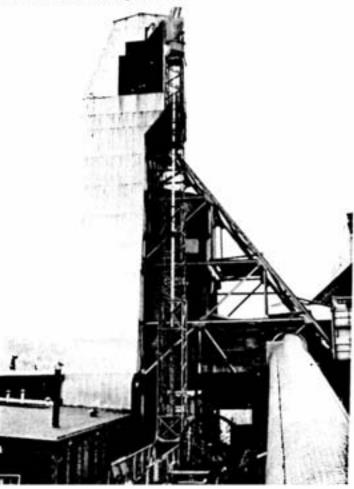


At the top of Levack mine's No. 2 shaft headframe, the operator of the special crane has a perfect view of his target and can easily maneuver the old sheave wheels out and down.

### Telescoping Crane 140 feet straight up in 17 minutes, for Levack mine sheave wheel change

Ron Marcotte, left, first class maintenance mechanic and Claude Gravel, first class machinist, dismantle the sheave wheel bearing cap to allow removal of the 14-toot-diameter wheel. The unique 30-ton crane sits on top of a 150-ton telescoping jack. It took the crane operator only 17 minutes to reach his working position, 140 feet above ground level.





We can always count on the Levack complex to come up with something new, and such was the case with a recent sheave wheel change at Levack mine's No. 2 shaft headframe. The sheaves in the No. 1 and No. 2 cage compartments had been performing their hoisting function since 1937 and were ready to be replaced.

To facilitate the cumbersome changeover, a 30-ton GIC 5400 crane perched atop a 150-ton telescoping jack was used. According to Ken Hoop, maintenance superintendent at Levack mine, "I believe it's the first time this type of crane has performed this particular kind of job at Inco: we saved about 16 hours by using this crane, and it also provided an extra measure of safety and greater maneuverability." It took only 17 minutes for the crane to telescope upwards for 140 feet.

All sheave wheels in use at the Levack complex are checked regularly by Levack riggers and by the Copper Cliff engineering group; when the sheave rope groove has worn to a predetermined limit, the sheave is replaced — about every 35 years or so. The 14-foot-diameter sheaves weigh approximately eight tons apiece and are made to take 1%-inch rope. The old sheaves rotated in babbit bearings, while the new fabricated sheaves now rotate on roller bearings.

The changeover was completed during nine shifts over a three-day period.

Sinclair MacKenzle, lett, first class rigger and Roger Savourin, plater, steady the sheave wheel as it is slowly moved out of the headframe by the telescoping crane.





Guiding the sheave as the crane operator removes it from the headtrame are, from left, Sinclair MacKenzle, first class rigger, Roger Savourin, plater, and Ken Taylor, first class rigger.

One of the new fabricated sheave wheels, ready to be hoisted into position at the top of the Levack mine No. 2 shaft headframe. The project was completed well ahead of schedule.





A maintenance mechanic helper with the central utilities department in Copper Clift, Normand Lepage is an ardent fisherman and enjoys working with ceramics. Wife Jeanne is kept busy looking after the children, Colette, 5, Nicole, 8, and Carol, 12.



This is the family of George and Sylvia Kennedy. George is an instrumentman at the Copper Cliff oxygen plant and enjoys music, coin and stamp collecting in his spare time. Children are, from lett, Marty, 19. Darryl, 11, Craig, 13, and Brian, 17.

## Family Album

Ellis Moraditz, a stope leader on the 2400 level of Garson mine, manages to find time to be active in numerous sporting events and serves as a volunteer fireman. His wile, Emgard, here poses with children Dennis, 13, Karen, 18, Shelly, 15, and Randy, 20.



From Port Colborne we have the Joe Fabbro family. Joe has been at Inco for 26 years and has been a craneman in the anode department for the past 23 years. With Joe are wife Silvana, daughter Anita, and son Eddie.



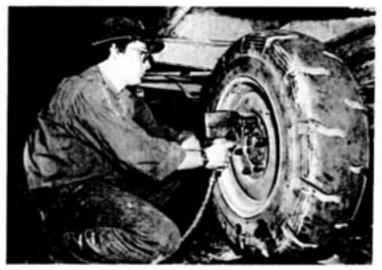
#### Levack West garage -

## Servicentre

A complement of 12 mechanics are responsible for the maintenance of some 45 pieces of heavy mobile equipment used in the mechanized mining cycle at Levack West mine. The spacious garage, which is part of the main surface building, features eight service bays and a 7½-ton mobile hoist which reduces the need for heavy manual lifting.

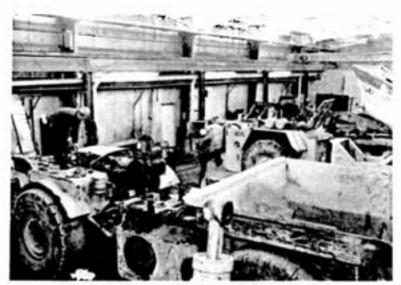
Numerous tools are on hand for any and every repair job imaginable, and a stockroom carries most of the more common parts needed for the mobile equipment. No major repairs are carried out underground; rather, the faulty equipment is brought up to the garage for servicing. Says Jack Genereux, maintenance supervisor, "our equipment is in really good shape because of the garage, and continuous maintenance also helps keep costs down."

Richard Maskavich, first class mechanic, performs a tire change on a 416 Unimog. The smaller tires allow for quick changes without the need for holsting.



Patience, determination, and a keen eye are necessary requirements for Terry Sagle, first class mechanic, as he changes injectors on an OM 352 Mercedes engine in a Unimog.





Maintenance for the many pieces of mechanized mining equipment is carried out in the fully-equipped garage, complete with eight service bays. Here, a teletram and a JDT 426 dump truck are serviced.

An engine change on an ST5 scooptram was carried out in record time by Terry Sagle, left, first class mechanic, Mark Peura, garage mechanic apprentice, and Richard Maskavich, first class mechanic.



Cyril Deschamps, left, second class mechanic, and Mark Peura, garage mechanic apprentice, lower a new starter into an F8L 714 engine in a teletram.



#### Improved power service for Levack area:

### Seven miles of powerline poles installed by special helicopter

An extensive program designed to provide improved power service for the Levack area continues under the careful guidance of our central utilities department. Most recently, a Copper Cliff firm, PowerTel Utilities, was brought in to build seven miles of 69,000-volt wood pole power line from Creighton, tying in on existing power lines feeding Levack. This particular phase of the program, just recently completed, called for the installation of 144 poles ranging in height from 45 to 75 feet, and weighing as much as 3,000 pounds apiece. In addition, the project required 123,000 feet of 3/4-inchdiameter conductor.

Because of the weight of the poles and the inaccessibility of the work location, a special helicopter was commissioned from Vancouver to install the poles. The sophisticated chopper can lift up to 4,500 pounds at a time, is one of only half a dozen available commercially in Canada, and maintains a constant staff of three the pilot, a co-pilot, and a mechanic.

Said Herb Krueger, partner in Power-Tel "the helicopter provided a high level of efficiency and actually meant savings, both in time and in money; the polesetting was completed in just three-anda-half days."



Clary Gatien, president of PowerTel Utilities, is in constant ground-to-air communication with the helicopter being used to install the powerline poles. Here the chopper is returning from the work site to pick up another pole from the pole yard.



PowerTel's Ted Austin and Irwin MacAlinden lead the crew to the work site for the installation of the powerline poles. The 'copter, brought in for this particular job from Vancouver, is capable of lifting up to 4,500 pounds.



Power poles are carefully lowered into position. The pole-setting crew was led by Gary Guy, PowerTel foreman for the project



Phil Izzard, left, and Jack Hall, assistant fire inspectors, safety and plant protection department, tabulate competition results.

Annual fire competition winds up early in November– pumper and nonpumper divisions

The Little Stoble fire brigade was seen in action recently during the judging of the non-pumper division of Inco's annual fire competition. The situation problem confronting Little Stoble, was the rescue of a "victim" from a smoke-filled, flaming building; scene of action was near the Frood-Stoble central repair depot.

On hand to run off the competition and to judge the results were Jack Hall and Phil Izzard, both assistant fire inspectors with the company's safety and plant protection department. Dick Dopson, fire chief, planned and co-ordinated this year's competition.

A prize of \$100 will be awarded to the winning teams from both the pumper and non-pumper divisions; results of the competition will be announced early in November, when winners will be notified and a list made available indicating the final position of each team. More to come next issue....



The problem contronting the Little Stoble fire brigade was the rescuing of a "victim" from a flaming, smoke-filled building. Results of the competition will be announced in November, and will appear in the December issue of The Triangle.



Following their successful rescue of the "victim" are, from left, Jack Maley, second class plater, Bruce Killah, first class electrician, and Hans Bartsch, first class maintenance mechanic, and members of the Little Stoble fire brigade.



Jack Hall, left, assistant tire inspector, drills the Little Stoble fire brigade, comprised of, from left, Bruce Killah, Lou Durmier, Ed Ciming, Bob Roy, Peter Gough, Hans Bartsch, Jack Maley, Keith Godin, and Wayne Bontinen.



Equipment on display during the recent open house included scooptrams, jumbo drills, scissor lifts, man carriers, mucking machines, jackleg and stoper drills.



Richard Belzile, buildozer operator, explains the workings and the functions of a buildozer to his family. The youngsters were particularly impressed.



Dave Bruce, right, a skip tender at Stoble mine, provides visitors with a detailed explanation of the operation of various mine rescue apparatus.

#### Over 1,700 attend

# Frood-

Rainy September weather broke just long enough to help make the Frood-Stobie complex Open House an even greater success than anticipated! Over 1,700 visitors toured the operations of the complex, which is comprised of three operating mines, one mill, a central repair shop, and a central surplus disposal depot.

Centre of activity was Little Stobie mine, where friends and family of Frood-Stobie employees, together with members of other Inco facilities, were made welcome and provided with general information about the complex.

Several pieces of heavy mining equipment were on display, with some in actual operation, which provided quite a thrill for the younger set. Specially-equipped booths depicted the diverse activities of engineering, geology, and mine rescue sections, prompting a barrage of questions from hundreds of the guests.

Visitors were treated to a slide presentation covering the overall surface and underground operations and highlighting the complete cycle of mining, including drilling, blasting, extracting, development, hoisting, and the circuit to the mill.

Refreshments were available, and guides were on hand to provide information during the bus tours, which took in Stobie mine, Frood mine, Little Stobie mine, the Frood-Stobie mill and the open pits which, by the way, seemed to be the main attraction.

In addition, brochures were given out, providing a description of the history of the complex, samples of finished products were distributed, and samples of Little Stobie ore were made available.

In all, quite a success!

# Stobie Open House



Little Stobie mine was the centre of activity for the September open house, which was attended by over 1,700.



A close examination of ore in a mucking machine proved interesting to all ages. On the right is Willie Kurth, driller at Little Stobie.



Allen Janke, right, bitman at Little Stoble, explains the uses of various bits used in underground drilling operations.



Welcoming visitors are safety engineer Mike Morin, second from right, and surveyor Don Lavole, right.



Sharing memories are Doug Gathercole, maintenance superintendent, Copper Clift copper retinery; Wes McNeice, superintendent, transportation and traffic; Pat Riley, maintenance mechanic and Bob McGhee, foreman, converter building, and Audrey Glesler, deputy zone commander.



Former cadet corps members took advantage of the reunion to reminisce over past involvement with the cadet corps. Studying a picture of an inspection of the cadet guard taken in the '50's are Inco pensioners, from left, "Happy" Clark, Gord Harry, and Gord Henry.

Ron Heale, Inco pensioner and former cadet corps member, signs the guest book before joining the reunion festivities held recently at the Copper Clift Legion Hall. Looking on are, from left, CNR employee Richard Hickey, cadet corps Lieutenant Susan Zohar, and Inco's Tex Davis.



# Copper Cliff Highlanders Cadet Corps Reunion

Pomp and ceremony were the order of the day, when over 150 past members attended a reunion of the Copper Cliff Highlanders Cadet Corps, held in conjunction with the 60th anniversary of the founding of the corps.

Under the auspices of the Copper Cliff Legion Branch 224, the reunion got underway with an informal wine and cheese party which gave guests an opportunity to refresh memories and renew old acquaintances. Emcee for the occasion was Jim Noble, retired from the Copper Cliff Police Force and currently a volunteer instructor with the cadet corps. And we hear he did a real fine job!

Highlight of the reunion was the retiring of the corps' old colours, which were piped out by the Copper Cliff Highlanders Pipes and Drums Corps, under Captain Sam Laderoute of Inco's Copper Cliff public affairs department. The cadet colour guard brought in the old colours, which were retired by the Legion colour party; the colours were then officially encased in the main foyer of the Copper Cliff Legion. The new colours, if you recall, had been presented in an official ceremony held in Copper Cliff Park this past June.

In the absence of Captain Alex Gray, commanding officer of the corps, Geoff Hervey of Inco's property taxes and assessment department welcomed those in attendance, some of whom had travelled from as far as Alberta to attend the reunion. Geoff is a past commander of the corps and is currently the liaison officer between the Legion and the Cadet Corps.

Robin Swain, Inco pensioner and former commanding officer from 1949 to 1963, arrived from Carman, Manitoba, to address the group; words followed from Mel Young, assistant to the Ontario Division president, Inco Metals Company, expressing the company's appreciation of the corps.

A film taken in 1937 was shown and proved to be quite a hit; the 15-minute black and white film featured a drill held in Copper Cliff Park and allowed some in attendance to see themselves some 40 years earlier.

Slides were shown of various cadet camps and inspections held during the '50's and '60's, and were made available by John Goudreau, safety and training officer for the Regional Municipality of Sudbury and Chuck Leishman from Edmonton, Alberta.

The success of the reunion resulted in a unanimous decision to hold such an event every two years.



Welcoming Mel Young, left, assistant to the Ontario Division president, Inco Meta's Company, are Copper Cliff Highlanders Cadet Corps Lieutenant Susan Zohar, Cadet Commanding Officer Eric McLaughlin and Inco's Tex Davis. Over 150 past members of the corps attended.



A series of photographs depicting the various events of the cadet corps over the years was on display for guests to enjoy. The corps has been in existence for 60 years and has much history behind it. Here, John Sturtridge, left, and Bob Fleming inspect a group of pictures.

Captain Sam Laderoute, second from left, Copper Cliff public attains department, gives final touches to the Copper Cliff Pipes and Drums Corps before their part in the reunion activities. Preparing to play are cadets Brian Lynch, Malcolm Gilmore and Jerry Lynch.







Hank Derks, left, chief first aid co-ordinator, checks a print-out with John Kramer, Port Colborne nickel refinery.

Port Colborne nickel retinery plant nurse Mary Grace applies infant resuscitation as part of the instruction program for cardio-pulmonary resuscitation, while Hank Derks looks on, offering suggestions for improved technique.

# **Cardio-Pulmonary**

CPR instructor Rick Cholette, left, explains the proper procedures for removal of a foreign object from the mouth to Lino Filippini, Copper Clift North mine and Bob O'Brien, Copper Clift smelter.



Once again, our first aid department has come up with a training program vital to the health and wellbeing not only of employees, but their families and friends as well.

Classes in CPR — cardio-pulmonary resuscitation — are currently being made available to Ontario Division plant protection personnel. Plant protection officers, first aid attendants, plant nurses and protection supervisors are all being exposed to a rigorous CPR training program which takes between six and eight hours to finish. The program has recently been completed in Port Colborne and is presently underway in the Sudbury area.

The instruction program has been put together by Hank Derks, chief first aid co-ordinator, safety and plant protection, using standards that were first established by the American Heart Association. Last year, these standards were adopted by the Canadian Heart Foundation and





Peter Schuringa, of the Port Colborne nickel refinery, performs cardio-pulmonary resuscitation on a Resusci-Ann mannikin.

Lino Filippini, left, Copper Clift North mine and Reuben Phillips, right, Copper Clift mill, watch as CPR instructor Dave Derochie demonstrates the technique required for intant resuscitation.

## Resuscitation

medical associations; they now form the nucleus of Hank's CPR instruction courses.

Termed as an emergency first aid procedure, CPR can be performed by anyone who has received the proper instruction. The procedure is used to provide artificial respiration and artificial circulation of blood for a person who has stopped breathing and whose heartbeat has ceased. In fact, an extremely important part of the training is proper recognition of the lack of breathing and heartbeat; never is CPR used on a person who has even a feeble pulse.

Candidates for the course are provided with pre-course materials, and are tested according to rigid standards set down by the Canadian Heart Foundation.

Examinations for the course consist of a 50-question theory test and several practical tests on infant resuscitation, obstructed airway techniques and cardiac arrest. Under the guidance of chief first aid co-ordinator Hank Derks, right, Larry Delaire, left, and Wayne Wilson, centre, of the Frood-Stobie complex apply two-rescuer cardio-pulmonary resuscitation.



September 24, 1977 will go down in the annals of Sudbury history as a most memorable day. The occasion was the official opening of Sudbury's unique Civic Square by the Honorable Pauline McGibbon, Lieutenant-Governor of Ontario, and regional chairman Doug Frith.

A mass pipe band, representative of the entire Sudbury district, played the royal salute when the Lieutenant-Governor arrived, and continued playing while she inspected her honor guard, the 2nd battalion, Irish Regiment of Canada.

To mark the official opening, the Lieutenant-Governor unveiled a blue granite plaque featuring the names of all members of regional council. Those in



Highlight of the official opening ceremony of Sudbury's new Civic Square was the inspection of the 2nd battalion, Irish Regiment of Canada, by the Honorable Pauline McGibbon, Lieutenant-Governor of Ontario. The Regiment acted as honor guard for the Lieutenant-Governor.



The Lieutenant-Governor signs the guest book in Mayor Jim Gordon's office, following the opening ceremonies.

## Lieutenant-Governor of Ontario

As the government centre for the Regional Municipality of Sudbury, Civic Square is available for paying taxes, obtaining licences, obtaining building permits, collecting social assistance, or for any form of consultation with local government. The structure itself was designed to improve the image and raise the sights of Sudbury, while providing a restful recreation area for citizens.



attendance heard addresses by the Honorable Pauline McGibbon, regional chairman Doug Frith, Sudbury mayor Jim Gordon, James Snow, minister of transportation representing Ontario premier William Davis, and James Jerome, M.P. for Sudbury, representing the federal government.

The ribbon-cutting ceremony followed, then the Honorable Pauline McGibbon was escorted on a guided tour of the complex, during which time she paused to sign the guest book in mayor Jim Gordon's office, and unveiled a water colour by Inco's Frank Homer, which was donated to the Regional Municipality of Sudbury by the Elizabeth Fry chapter of the IODE.

In addition to being a centre of business, Civic Square is also a recreation area, with its own landscaped square. A shallow pool offers a quiet area to relax, and in the wintertime the pool becomes a skating rink. Inside, special areas have been set aside for exhibitions of paintings, sculpture and photography. Aside from regional and city administrations, the municipal complex now houses the Sudbury Regional Development Corporation, the Sudbury Visitors and Convention Bureau, the Sudbury Board of Education, the Nickel District Conservation Authority, the Sudbury District Social Services Administration Board, and the reference branch of the Sudbury Public Library.

Construction began in December of 1974 and was completed early in 1977.



A water colour by Inco's Frank Homer was presented to the Regional Municipality of Sudbury by the Elizabeth Fry chapter of the IODE. Standing, from left, are Jean Warwick, regent of the chapter; Hon, Pauline McGibbon; Margaret Dow, IODE, and regional chairman Doug Frith.

## officially opens new Civic Square

Inside Civic Square, a glass-encased elevator swittly transports passengers to their desired levels. Civic Square's west tower houses the Sudbury Board of Education, the Social Services Administration Board, the Sudbury Regional Development Corporation, the Sudbury Convention Bureau and the reference section of the Sudbury Public Library.



### Inco Metals Company Announces Six New Scholarships To Laurentian University Students

Inco scholarship winners at Laurentian University were recently honored at a luncheon given by Inco Metals Company at the Copper Cliff Club.

Six new scholarships were awarded to Laurentian students by Inco this year one to a student in either the new mining engineering program or the new mineral process engineering program, and five to encourage bilingualism.

The largest scholarship, the Inco Bilingual Scholarship, has a potential value of \$10,000. An award of \$2,500 is made to a student entering first year who has attained at least 85 per cent in Grade 13 studies, and has taken at least one course per year in French. The award can continue for three more years if the student maintains an average of 80 per cent and continues to follow a bilingual program (i.e. takes at least one course per year in the French language if courses are taken primarily in the English language or at least one course per year in the English language if courses are taken primarily in the French language).

The winner this year was Lorraine Longarini, of Copper Cliff, who graduated from Marymount College with an average of 89.9 per cent and is studying in the school of translators and interpreters.

Claude Ferron, of Val Caron, who graduated from Confederation Secondary School with 86.3 per cent, was the winner of the new Inco Mining and Mineral Processing Scholarship.

To receive the scholarship, a student must graduate with at least 80 per cent in Grade 13 and be planning to take mining or mineral process engineering. The scholarship has a value of tuition fees



At a luncheon for Inco scholarship winners from left, Dr. Henry B. M. Best, president of Laurentian University; Lorraine Longarini, winner of the Inco Bilingual scholarship; Mel Young, assistant to the president, Ontario Division, Inco Metals Company, and Claude Ferron, winner of the Inco Mining and Mineral Processing Scholarship.

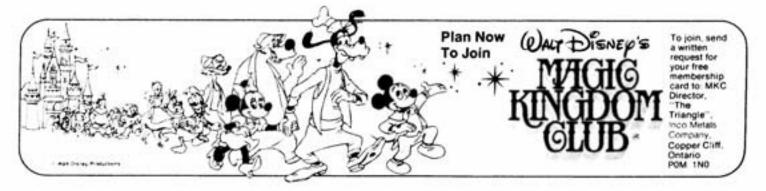
and a \$500 grant for a total of \$1,282 and can continue for another three years if the student maintains at least a 75 per cent average.

Four Inco Bilingual Scholarships, with a value of \$750 each, are also new this year and are awarded to a full-time student in each of the four faculties, (humanities, social sciences, science, professional schools), in either second, third or fourth year.

Students must have an average of at least 75 per cent and be following a bilingual program. Award winners were Jacques Thibault, of Sudbury, entering second-year science; Marielle Trudel, of Sudbury, entering third-year nursing; Joyce Barber, of Matheson, entering third-year Spanish, and Normand Carrey, of Sudbury, entering fourth-year psychology.

For a number of years, Inco has been awarding to Laurentian students two general proficiency scholarships with a value of tuition and a \$300 grant, for a total of \$1,085.

Winners this year were Diane Aubertin, of Sudbury, entering second-year mathematics and Robert Gustas, of Lively, entering second-year engineering.





A Courchesne dinner just isn't complete without homemade bread. Arthur looks on while daughter Lucilie and wite Auritia prepare for a family get-together.

## ...on raising a family...

Half a century ago, Arthur Courchesne and his wife Aurillia settled in Alban, a small farming community about 50 miles south of Sudbury. The wide-open tracts of land and the close proximity to his job with the railroad suited Arthur's idea of the kind of place where a man could raise a family. And raise a family he did!

The Courchesnes had 12 robust children to take care of over the years; seven of the boys are now working for Inco's Sudbury area operations.

Keeping the family clothed and fed was a full-time concern for the parents and, according to eldest son Hector, kept everyone "very busy."

"Our dad used to work long hours," Hector claims. "He'd be up with the sun so he could get some work done around the farm before going off to his regular job. And at the end of the day, he'd come home and get started on another project around the farm.

"Winters could get pretty cold around here," remembers Hector, "so we used to keep the fire in the wood-stove going all the time. Chopping wood was almost a full-time job in itself!

"There was always something for us boys to do. We'd all chip in and help work the land to put food on the table. Anything we could preserve would be put away for the winter. It was an old way of cooking, something you hardly find anymore.

"Blueberry season meant family expeditions outdoors," added Hector. "We could make a lot of money selling blueberries; sometimes dad would have enough to buy winter clothes and some furniture, just from the blueberry money, although our mother made most of our clothes."

As the family grew older, the group projects started to get bigger. Arthur and the boys set about constructing a few summer cottages in the Alban area, which has now become quite a popular spot during the summer months.

"The farm is still a big part of lives," says Hector, "and we all get together as often as we can. All the boys enjoy hunting and fishing, and about the only arguments we have concern the size of the fish that got away!"



A little triendly competition pits brother against brother. This armwrestling bout has Gerry Courchesne, left, a scooptram operator at Copper Cliff South mine, up against his brother Ray, a driller at Copper Cliff South mine. Standing behind their lather, Arthur, are, from left, Nool, Rheo, Rolly, a scoop operator at Copper Cliff South mine, Hector, a maintenance mechanic at the Iron Ore Recovery Plant, Arme, a driller at Levack mine, Albert, a slusher operator at Stobie mine, Claude, a construction leader at Copper Cliff South mine, Aurel, and Rejean.



This is the latest underground dump truck for Copper Cliff South mine, fully loaded with over 26 tons of crushed rock roadbed material. Inspecting the unit on the test ramp at the Clarabelle open pit are, from left, **Len Kitchener**, mines equipment engineer; **Gerold Heinze**, senior maintenance specialist; **George Friel**, maintenance specialist, and **Ron Morin**, the manufacturer's representative. The truck, fitted with a 270 h.p. water-cooled engine, is the first of its kind with a "lock-up" feature which provides a direct drive from engine to transmission in first gear for increased speed-up and retardation. Below, Gerold and George inspect two new features, an engine tachometer and a torque converter rpm meter, used in the tests to assess engine and drive train performance.



During a recent tour of the Port Colborne nickel refinery by a grade twelve geography class from Lockview Park Secondary School, several of the students visited their fathers on the job. Above is **Darlene House** with her father **Roy**, a senior clerk in the accounting department. Below, **Cindy Sewell** visits with her father **Bryan**, a foreman in the electrolytic nickel refining department, but currently on loan to write training manuals.







Carol Deslaurlers, secretary, Coleman mine engineering office, has been there for over 3 years. Carol has five brothers and four sisters; two of the brothers, Andy, and Norman, are drillers at Levack mine, as is her husband, Ron. Her dad, Gordon, will be remembered for his 23 years with Levack mine.



Members of the Finnish Choir of Tampere, Finland, recently toured Inco Metals facilities in the Sudbury area. The large group visited Copper Cliff South mine, Clarabelle mill and the Copper Cliff smelter complex. Here the visitors are pictured below the headframe of Copper Cliff South mine. According to **BIII Kolvu**, a member of South mine's ventilation department, who also acted as one of the translators during the group's visit, the choir is well known throughout its homeland for its accomplished singing talents.



Thomas Parris, left, Ontario Division vice-president of Inco Metals Company, recently presented a cheque for \$1,000 to Gary Peck, president of the Sudbury and District Historical Society. It represents the company's contributions to the group's activities for 1977. In making the presentation, Mr Parris congratulated Mr. Peck and the many volunteers for their varied program in assembling a factual history of the Sudbury area.



Here's proof positive that Little Stoble mine's "tropical garden" is flourishing beyond expectations. Located in the hoistroom atop the mine's headframe, the plants are receiving tender and loving care from hoistman Leon Chartrand, left. Here mine superintendent Don MacKelgan, centre, and maintenance general foreman Murray Dodge, receive a few pointers from Leon on how to look after the plants.



Russ Buckland, manager of employee and community relations. Falconbridge Nickel Mines Limited, will be the guest speaker at the November 17 meeting of the Sudbury Branch of the Canadian Institute of Mining and Metallurgy. His paper will deal with modular training for production and maintenance employees. Russ also plans to discuss the development of common modules for training in underground mining jobs and issues concerning apprenticeship training in the Ontario mining industry. The meeting, which gets under way at 8 p.m., will be held at the Northbury Hotel.



Safety's the word at Coleman mine, and the proof is evident in these two groups of proud fellows. Both crews have recently completed six monthe without a reported injury. Above is mine foreman **Blaine Parrington**, left, and his 12 to 8 shift; below, standing at right, is mine foreman **Hans Pichler** and his two-shift crew.





A group of geology students from Eastern Kentucky University recently toured the surface and underground facilities at Coleman mine. Explaining the workings of the mine and the flow of ore is **Gary Moore**, right, superintendent of Coleman mine.



Laura Mitchell, centre, a process clerk at the Copper Cliff nickel refinery, proudly displays the trophy she won for capturing the Canadian Singles Bowling Championship. The award, presented to Laura by the Youth Bowling Council in Winnipeg recently, included a \$1,000 cash prize. Admiring the trophy are proud husband Bill Mitchell, a first-class electrician, and Anita McCormick, a stenographer, both at the Copper Cliff nickel refinery.



First prize in the recent Levack mine safety draw was this 15-foot canoe, complete with paddles, life jackets and pack sacks. Eligible for the draw were all employees who had completed the month medical-aid free. Here **Richard Sitko**, right, of Levack mine's employee relations department, presents the first prize to the lucky winner, **Orval Cooney**, a driller on the 1,500-foot level. Orval works for mine foreman **Ray Parker**.

For up-to-the-minut	te information
dial	
Inco Ho	tline
Sudbury	682-0626
Port Colborne	835-2454



Since the introduction of in-the-hole drilling at Inco mines, bit life has increased steadily, thanks in large part to more efficient drilling procedures and better, speciallydesigned bits. With over 25 "in-the-hole" drills now in operation at Inco mines in the Sudbury district, members of the mines drilling department carefully monitor bit performances. Here Bob Ross, left, Air Operated Equipment representative, Allen Janke, centre, Little Stoble mine bitman, and Bob Jach, Ontario Division drilling specialist, inspect one 61/2-inch bit which has logged in excess of 2,500 feet in the hard and abrasive ground of Little Stobie mine. All "in-thehole" bits are inspected and sharpened on a regular basis. That's the Little Stoble mine water tank in the background.



Two youngsters were recently honored at the closing banquet of the Copper Cliff Baseball Little League. JIm McQuarrie, left, was voted the most improved player, while Robble Forcler, right, received his award as the most valuable player. Gerry Mills, a member of the executive of the Copper Cliff Baseball Little League, made the presentation. Gerry is a storeman at the Copper Cliff North mine warehouse.



An electrically powered 5 cu. yd. load-haul-dump unit, the first machine of its kind, recently underwent preliminary tests at Murray mine, with senior maintenance specialist **Gerold Heinze** at the controls. Following surface tests, the unit was transferred to Creighton mine for trial operation in a cut-and-fill stope on 6400 level. The 550 Volt A.C. power, supplied by a 250-foot long cable wound on a collecting reel, is converted by a solid-state power pack to drive the 160 h.p. D.C. electric motor which replaces the conventional diesel engine.



Dar Anderson, right, Ontario Division manager of maintenance, mines and mills, Inco Metals Company, was the guest speaker at the October meeting of the Sudbury Branch of the Canadian Institute of Mining and Metallurgy. His paper on "Vertical Retreat Mining", a new mining concept successfully applied at Levack mine, was well received by the capacity audience. The guest speaker was introduced by Ed Sirkka, centre, mine engineer at Levack mine, and thanked by Geoff Dunthorne, manager, mines, Falconbridge Nickel Mines Limited.



Creighton mine's **Joe Smith** is at the controls of this prototype track and ditch cleaning machine which recently underwent a series of tests in the Creighton No. 9 shaft yard. The unit comes equipped with a hydraulically-driven inclined scraper which dumps onto a conveyor belt and in turn discharges into the attached Hudson car. It is mounted on a standard mucking machine chassis. Looking on are **Bill Gagnon**, centre, and **Ron Witherall**.



Bill Crabbe, left, fire chief at the Port Colborne nickel refinery, accepts the keys to this 800 gallon-per-minute fire truck from **Dick Dopson**, Copper Cliff fire inspector. Inco originally purchased the fire engine for the Town of Copper Cliff; however, with the advent of Regional Government, title to the unit reverted back to Inco. The LaFrance fire truck boasts a V12 engine, and only minor changes had to be made for the unit to fit into the fire fighting systems at Port Colborne.



That's Copper Cliff's Nancy-Jane Newburn, Miss Teen Canada, pointing out to her brother TIm the many places she visited during her recent trip to England. The all-expense paid, oneweek holiday was the major prize in the Miss Teen Canada contest. Nancy-Jane is the daughter of Tom Newburn, assistant comptroller. Ontario Division. Inco Metals Company.



Cal Peyton, co-ordinator of the management and training systems program at the Port Colborne nickel refinery, discusses a drawing for one of the manuals with resident artist **Jim Crawford.** Because much of the equipment in use at Port Colborne is unique, illustrations are required to fully explain their function. There are currently five writers assembling manuals which will explain every step of the operation at the Port Colborne facilities.



A clerk-stenographer at the Copper Cliff nickel refinery, **Irene Polrler** was recently crowned "Miss Flame 1978" at the 6th annual Fireman's Ball, held at Cache Bay, Ontario. Congratulations to Irene and the panel of judges for their excellent choice!



Ray Mossey, right, warehouse foreman at the Copper Cliff smelter, his wife Helen and daughter Jennifer, 11, recently were presented with the Al Gagnon Memorial Trophy for having the most improved lawn in Lively throughout 1977. Alex Gray, of Inco's agriculture department, presented the award. According to Ray, looking after the lawn is a family affair. "We all worked at it," he said.



When it comes to growing pumpkins, area gardeners would do well to take a tip from **Walter Ranta**, a carpenter at the Copper Cliff mill. An avid gardener for the past 10 years, Walter grew this 75 lb. specimen in his garden near Creighton. Admining the fine specimen are son **Mark**, 8, and daughter **Marnie**, 6.



the transportation and traffic department in Copper Cliff, proudly displays this handmade shovel handle he found during his lunch break back of the oxygen plant in Copper Cliff. Harry estimates that the handle dates back to the early 1900's.



Copper Cliff High School students were given the opportunity to view the "Twin Huey", one of 50 such helicopters used by the Canadian Armed Forces on bases across Canada. This chopper, which carries a dozen troops in addition to a three-man crew, is from CFB Petawawa. It was brought to the Sudbury area by the recruiting centre to display to area students. Carrying a full fuel and passenger load, the Twin Huey weighs 10,500 lbs., and is mainly used in the special service forces for search and rescue and the tactical movement of armed forces troops in the field.



Work is progressing on Creighton mine's No. 11 shaft headframe. The new ventilation shaft, to be sunk to the 6,000-foot level, will have an inside diameter of 21 feet. The shaft has been deepened and concreted to 90 feet so far.



Working with safety in mind has proven beneficial to this group of shaft operating personnel and shaft inspectors at Garson mine. Under the direction of **Russ Emple** and **John Hughes**, the group has completed over a year completely accident-free.



That's **Bill Thorpe**, Ontario Division manager of purchasing and warehousing, proudly displaying the five blue geese he bagged recently while on a hunting trip to Fort Albany, on James Bay. The 12-gauge shotgun Bill is toting, a "double barrel Fox", was a gift from his father, and he estimates it to be 75 years old. "It's been an excellent hunting companion for the past many years," says Bill.



"Inco Metals Company's \$4,000 contribution will do much to offset part of our operating expenses", said **Dr. George Massarella**, left, president of the Sudbury Theatre Centre, as he accepted a cheque from **Hugh Judges**, Ontario Division planner, Inco Metals Company. Mr. Judges extended best wishes for continuing success in the theatre group's efforts to provide first-class, live theatrical shows for Sudbury and area residents. The Sudbury Theatre Centre has seven plays scheduled for the 1977-78 season. All performances are staged at the Laurentian University.

#### Appointments

Ted Davey, supervisor, standards, specifications and office services. Copper Cliff. James Davidson, materials coordinator, Clarabelle mill Sandra Hammond, librarian, computer systems, Copper Cliff. Steve Heddle, process supervisor, Iron Ore Recovery Plant. Ralja Luoma, programmer, computer systems, Copper Cliff. John MacEwen, maintenance foreman, Iron Ore Recovery Plant. Tony Mitchell, industrial relations representative, Copper Cliff copper refinery. Andy Mollison, senior process assistant, process technology department, Iron Ore Recovery Plant. John Ongarato, industrial relations assistant, Crean Hill mine. Jim Whittaker, maintenance assistant, Iron Ore Recovery Plant.



A major blast is scheduled at Creighton No. 3 mine in the early part of December, displacing in excess of 2.1 million tons of ore. The blast requires over 2 million lbs. of explosives, the bulk of which is mixed at a portable satellite mixing plant, located one mile west of the Creighton No. 3 shaft ramp portal. The "Hydromex Slurry", the major blasting agent, is formulated in two stages: the first involves the transportation in a non-explosive, liquid state to the mine site. The second phase involves the addition of TNT and thickening agents at the mixing plant, shown above. Below, the slurry is transported underground in 2,000 lb. aluminum containers. Workmen are presently busy loading the slurry into the 820 holes, measuring 6¼ inches in diameter. Over 135,000 feet of these holes had to be drilled for the blast.



#### DOWN MEMORY LANE ... DOWN MEMORY LANE ...



"Goodbye, old pal," sighed Red Stuart, with a tear in his eye as big as a baseball, and kissed a fond farewell to the Allan Cup which he and Frood Tigers won last year, along with their Canadian championship. It was the second time in his coaching career that Red was custodian of the famous tankard, but his 1938 Tiger edition failed to make it three for him. In the background are two of the other trophies Frood picked up last year along the championship trail.



The shift was being changed when Dr. Allan Roy Dafoe visited Frood mine one day recently, and he enjoyed the opportunity of chatting for a few minutes with some of the lads just up from underground. They want to have it clearly understood, however, that they were discussing with him only general topics like the weather and the price of oats, and were not negotiating with him to act in the same capacity as that which made him famous at Callander four years ago. Dr. Dafoe and his party, which included several of the Hollywood movie executives now turning out another picture of the quints, also visited the smelter and the refinery, and were keenly interested in the processes.



#### SUDBURY MINERS LOOM AS STRONG ALLEN CUP CONTENDER

Regarded as a strong contender for Allan Cup honours, particularly following their 6-1 drubbing of Toronto Goodyears at Stanley Stadium December 9, Sudbury Miners are pictured here with their coach and manager: Left to right, front row, Nap Carriere, Copper Cliff: Johnny McIntyre, Frood; Joe Stahan, Creighton; Tony Torti, Frood; Mel Carey, Creighton; Lloyd Grant, Frood; Vern Price, Coniston: Bill Sherry, Copper Cliff; Mickey McGlashen, Creighton; back row, Tom Starkey, Creighton, manager; Reg Shields, Creighton; Shilly Shillington, Frood; Jim Dewey, Frood; Rosy Rozzini, Frood; Roy Heximer, Copper Cliff; Ab Conick, Frood; Earl Newbold, Creighton; Leo Sargent, Creighton; George Hastie, Falconbridge; Nick Nicholson, Creighton; Dillon Brady, Frood; Red Stuart, Frood.

# Logowriter



# Valde Jutila

A deep interest in mining brought Valde Jutila straight to Sudbury in 1957 from his native Finland, and his subsequent employment with Inco has kept him here ever since.

Born and raised about 400 miles below the Arctic circle, Valde is certainly no stranger to our northern winters and, in fact, makes the most of them by slipping on his cross-country skis and taking to the trails

Valde first joined the company as a driller at Frood mine and, since 1968, has been at Crean Hill, "It's a good place to work." says Valde, "I know most of the guys and we all get along pretty good." Mind you, one of his more constant companions on the job is a stoper, which Valde handles with a great deal of proficiency.

Valde and wife, Kirsti, have three daughters, Merja. Eija, and Mona, and at the time of writing were eagerly anticipating the arrival of their very first grandchild.

The Jutila's live in the Long Lake area and have a camp at Penage, where outdoor recreation is enjoyed to the fullest.

