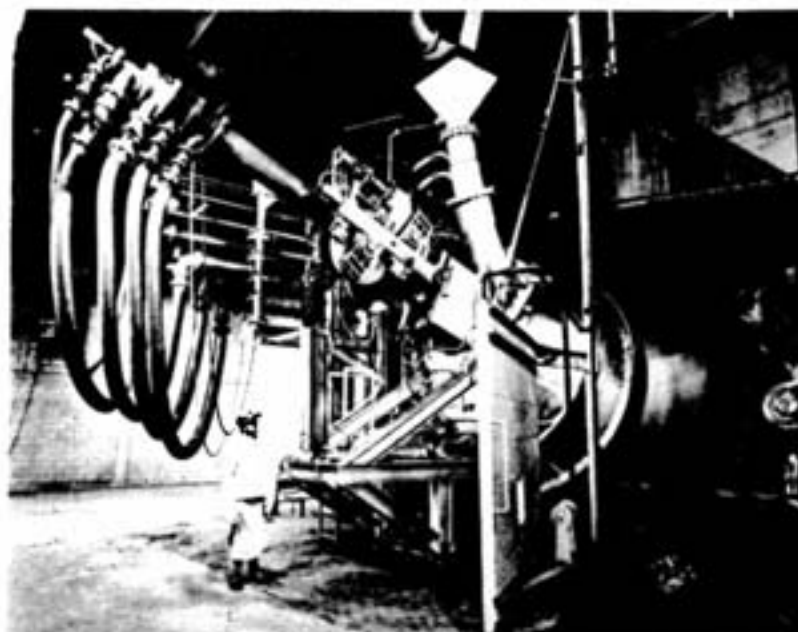


# THE Triangle

JANUARY 1980



Publications Editor:  
Peter vom Scheidt

## Triangle



### On the cover

This month's cover carries some of the pictures that were taken at the Ontario Division of Inco Metals Company during the decade of the 70's. They represent some of the significant achievements, events and changes that took place during that time period. A more complete review can be found beginning on page ten of this issue.

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After February 11, 1980 the phone  
number will be changed to 705-682-  
5426.



Inco and the mining community mourned the loss of John McCreedy who died in Toronto on December 7. He was 62.

Mr. McCreedy was Vice-Chairman and a Director of Inco Limited at the time of his death, a position he held since June 1979. He had been Chairman and Chief Executive Officer of Inco Metals Company since April 1977.

John McCreedy joined Inco at Copper Cliff in 1949 and he became Superintendent of Mines for the Ontario Division in 1962. He was appointed General Manager for the Manitoba Division in 1967 and was made Assistant Vice President of that Division in 1969 and Vice President in 1970. In December 1970, he was appointed General Manager of the Ontario Division and served as President of this Division from April 1972 until

March 1973 when he was elected a Senior Vice President of Inco Limited.

Mr. McCreedy was born in Winnipeg, Manitoba on March 23, 1917. He served in the Royal Canadian Air Force from 1942 to 1945 and was a professional hockey player with Toronto Maple Leafs. He received a Bachelor of Applied Science degree in mining from the University of Toronto in 1949.

John McCreedy was the author of several published articles and technical papers dealing with mining. He was also president of the Mining Association of Canada and a director of the St. Lawrence Cement Company, Bramalea Limited, the Centre for Resource Studies, Queen's University, and the National Advisory Committee on the Mining Industry.

# DECEMBER APPOINTMENTS



**Peter vom Scheidt** has been appointed publications editor with responsibilities for Inco's Ontario Division publications, the Triangle and IN Touch.

He joined Inco in 1974 as a writer - photographer for the Triangle and was most recently editor for IN Touch.

## A Personal Note

The publications of the Ontario Division are for and about Inco employees and pensioners. They are your publications. While they of necessity are guided by the bounds of good taste and broad readership appeal, the content should reflect what you our readers are interested in.

To do this effectively we need your opinion. If you feel we are neglecting something, maybe it's because we haven't heard about it. If you have a comment to make - let's hear from you.

How can you do this? Simple. Just drop a note to me. The address is on the masthead of this publication. If you'd prefer to phone, the number is 682-0631 until February 11, when it changes to 682-5426.

**Bob Archibald**, industrial relations representative, Copper Cliff.

**R. Douglas Beckett**, project engineer, Port Colborne nickel refinery.

**Barry Bitner**, maintenance services co-ordinator, Port Colborne nickel refinery.

**Lloyd Champaigne**, mill foreman, Clarabelle mill.

**Michael Chorkawy**, power engineer, central utilities, Copper Cliff.

**Val Clancy**, maintenance assistant, central shops, Copper Cliff.

**Alex Felhazl**, materials co-ordinator, Port Colborne nickel refinery.

**Douglas Goodale**, grade and production co-ordinator, mines exploration, Froid mine.

**Wally Gretton**, manager employee relations, Copper Cliff.

**Brenda Hamalainen**, timekeeper, Shebandowan mine.

**Ellen Heale**, horticulturist, Copper Cliff.

**Judy MacDonald**, senior purchasing clerk, Copper Cliff.

**Alex McKay**, crushing plant foreman, Clarabelle mill.

**Donald Moses**, mine general foreman, Shebandowan mine.

**Terry Paul**, personnel administrator, Shebandowan mine.

**Gilles Quesnel**, planner, mines engineering, Froid mine.

**Robert Renaud**, process foreman, matte processing.

**Elizabeth Salhani**, accounts payable clerk, Copper Cliff.

**Carolyn Sasseeville**, accounts payable clerk, Copper Cliff.

**Brian Scott**, preventive maintenance co-ordinator, Port Colborne nickel refinery.

**Dueane Sly**, senior geologist, mines exploration, Copper Cliff South mine.

**Donald Smith**, industrial evaluator, industrial engineering, Copper Cliff.

**Rena Surlins**, accounts payable clerk, Copper Cliff.

**Richard Urysz**, audio visual aids technician, Sudbury.



**Hank Derks**, chief first aid co-ordinator, Ontario Division, and his wife, **Joanne**, have been admitted to the Order of St. John by the Sovereign Head of the Order. Her Majesty Queen Elizabeth II. Hank and his wife recently attended the Investiture Ceremonies at the Notre Dame Basilica in Ottawa where Canada's Governor General, His Excellency Edward Schreyer, bestowed the honors. Each year, the Priory of Canada submits to the Grand Priory in England the names of persons who have contributed to the development of the great humanitarian work of the Order of St. John in Canada. The Order is an ancient Christian brotherhood, devoted to work of charity and humanity. Both Hank and Joanne have been involved in teaching and furthering all aspects of first aid throughout the Sudbury District over the past many years. Other members of the Order include Charlie Hews, president of the Manitoba Division of Inco Metals Company, and Jeffery Perras, recently retired from the Copper Cliff safety department.

# Looking back through the pages of the Triangle



## 40 Years Ago

Thumbing through the Triangles of early 1939 we find that the 900 man, Martin Horne shift at Frood Mine had completed 119 operating days or 97,211 man shifts without a lost-time accident. To quote the Triangle: "this splendid mark totally eclipsed the previous Frood record of 59 operating days, and established a precedent that will probably be exceptionally difficult to beat." As accident free time piled up the entire mine seemed infected by the enthusiasm of trying to make the 100,000 hour plateau. The streak ended, much to everyone's disappointment, in early February of 1939.

Forty-one years ago, a form of NHL hockey was played in Copper Cliff. Far from being professional hockey, it was midget hockey with a big league touch. Kids fourteen years of age and under donned regulation NHL uniforms (Maple Leafs, Canadiens, Rangers and Bruins) with the name of their professional counterparts emblazoned across their backs.

The league, conceived by Gordon Alcott and sponsored by the Copper Cliff Athletic Association, also included four farm teams (Syracuse, Providence, Philadelphia, New

Haven). Every Saturday many of the 120 boys in Midget NHL hockey did battle at Copper Cliff's Stanley Stadium. All had to sign a standard "Good Behavior" contract, something the pros today might well adopt. A final big league touch came in the form of the ultimate prize donated by President R.C. Stanley, quite appropriately named the Stanley Cup.

January, 1939 saw a modern innovation come into many local homes. The manual telephone was replaced by, what was termed, "one of the most up-to-the-minute dial offices." Gone were the days of picking up the phone and hearing the operator say "number please". Dialing made the whole process of making a call automatic. The Triangle carried the eight, easy-to-follow instructions on how to properly dial a telephone, complete with sketches showing each step.

## 25 Years Ago

Twenty-five years ago Triangle readers learned the hows and whys of "air EM" or airborne electromagnetic surveying. The January 1955 issue offered insights into this method of locating ore bodies. Ground magnometers were first used in the Sudbury district in

1938. Ten years later tests were inaugurated in collaboration with McPhar Engineering Company to develop the airborne process. Air EM was completed by the summer of 1950 and from that time on it was used for geophysical exploration.

An aircraft towing a "bomb" became the symbol of the new prospectors . . . those who did their work from the sky. As the plane passed over an area, equipment inside would send out a signal which was bounced off the ground and picked up by the "bomb". It was sent back to the aircraft where the signal would be processed and charted giving geologists an indication of what lay below.

It was in this 1955 issue that the Triangle presented the Great Tea Cup Mystery. Eric Bannister, editor of Mond's Nickel News in London, England was given a teacup for examination. Purchased by a woman, the piece was interesting in that it bore a reproduction of an aerial view of the Copper Cliff smelter. Subsequent investigations revealed the manufacturer but not who had ordered them or where the rest of the 12 dozen cups eventually wound up.

## 10 Years Ago

The J.J. Robbins Company ten years ago presented Inco with a working model of a raise-borer. It was part of the company's salute to Inco's longstanding policy of extensive co-operation with manufacturing firms in the development and improvement of new mining equipment. Called "part of the revolution in mechanized underground mining", the raise-borer was designed to ream circular openings up to seven feet in diameter for ventilation raises, ore passes and service ways.

Also in January 1970, eight hockey teams from across Canada and the United States took part in the first Inco International High School Tournament. A total of five thousand fans took in the three day event attesting to the popularity of the tournament concept. When the puck was faced off for the championship it was a pair of local schools, Lockerby Composite and Copper Cliff High School, who had survived. Copper Cliff eventually won the tournament crown by virtue of a 6 to 1 score.





## Winter Driving is Different

Motorists — are you really prepared for Old Man Winter?

The perils of winter driving can be reduced significantly if serious attention is given to the condition of the vehicle and the attitude of its driver.

According to the Canada Safety Council, vehicle components should be checked regularly for possible malfunction and replacement. Brakes must be faultless and equalized to prevent any pulling to one side which may cause skidding. Snow tires will increase traction in soft snow and drivers should ensure that their tires have sufficient tread and are properly inflated. A spare tire with good tread should be stored in the trunk of the car. The exhaust system should be examined to prevent fatal carbon monoxide gas poisoning, particularly in very cold-weather driving when the windows are closed.

A vehicle's battery power declines in cold weather. The battery should be checked frequently and replaced if required. Windshield wipers should be tested for proper tension and plenty of washer fluid added to the reservoir. Defrosters and heaters

should also be checked to see if they are functioning properly.

During the winter months, motorists require additional equipment to assist them in severe ice and snow conditions. Drivers should be equipped with a windshield scraper and brush to remove ice and snow on all windows, side-view mirrors, headlights, taillights and licence plates.

"The car should be cleaned off, including the hood. When the vehicle accelerates, snow on the hood flies against the windshield reducing visibility," explains George Ferguson, supervisor of Emergency Road Service, for the Sudbury branch of Ontario Motor League. "When the car heats up, snow on the hood starts to melt, creating fog on the windows," Ferguson says.

Tire chains, a salt sand mixture, ashes or pieces of carpeting will help ease your vehicle off ice patches and out of snow ruts. "Sawdust is good too if your car is stuck in snow. It's cheap, it's dry and gives good grip," Ferguson adds.

An old piece of canvas or potato bag are more effective under your

tires than wood planks. According to Ferguson, "the canvas or potato bag will cling to the tire and will pull itself under the tire or the tire will climb up on it." Ferguson also recommends the use of flexible, triangular wire mesh pads, approximately two feet long, eight inches wide which are available in major hardware stores.

Motorists should also be equipped with battery booster cables, a shovel, a flashlight and a heavy blanket or sleeping bag for warmth during a winter emergency.

Although a vehicle may be equipped with all the necessities for winter driving, it is **you**, the driver, who determines how safe a winter you will have. According to Ferguson, the key to a winter of safe driving is to drive defensively. "Being a defensive driver is synonymous with being a courteous driver. If the motorist is courteous, drives according to road conditions and sticks to the rules and regulations of the Highway Traffic Act, he shouldn't have any problems," he says.

Ferguson agrees with the Canada Safety Council on the precautionary measures motorists should take when travelling in winter. You, the motorist, must recognize the hazards of the road. You should travel at an easy speed and always allow yourself plenty of time to reach your destination. "You should allow yourself at least 20 minutes more in the winter months than in the summer months. You need that time to warm up your engine, to clean the ice and snow off the car and to adjust to the road conditions," Ferguson says.

Try to avoid any sudden steering changes on a slippery surface. Accelerating slowly, braking gently and intermittently will lessen your chances of skidding and help to maintain steering control. If you plan to shift gears to ascend a slippery hill, do so before you reach the upgrade. Shifting halfway up the hill may cause your wheels to spin.

When passing slower moving traffic, remember it takes longer on snow covered roads so be patient and stay in line. Drivers should also maintain a greater following distance in icy conditions and reduce their speed.

It's all common sense. Apply it and you will have a winter of safe driving.

# Changes in Management Responsibilities



**James D. Clucas**

Jim Clucas, formerly comptroller of the Manitoba division of Inco Metals Company, has been appointed comptroller of the Ontario division. He replaces Dick Beaver who was appointed deputy comptroller, Inco Metals Company, at the Toronto office.

Jim is a native of Liverpool, England and studied at the College of Commerce in Liverpool. In 1968 he became an associate member of the Institute of Cost and Management Accountants.

Jim joined Inco's Manitoba division in 1970 as an accountant and held jobs of increasing responsibility in the accounting department. He was appointed comptroller of the Manitoba division in 1975.



**William H. Buchanan**

Bill Buchanan has been appointed manager of the Copper Cliff copper refinery, succeeding Dr. Michael Sopko, who was appointed vice president, smelting and refining. Bill was division planner prior to his new appointment.

Bill is a native of Moncton, New Brunswick. He received his BSc degree from Acadia University in 1952.

He joined Inco in 1952 as a junior chemist in the Copper Cliff research laboratory. He was appointed manager of matte processing in 1972 and Division planner in 1979.



**Michael D. Sopko**

Dr. Michael D. Sopko has been appointed vice president, smelting and refining, of the Ontario division of Inco Metals Company. He was formerly manager of the Copper Cliff copper refinery and succeeds Gordon O. Machum who is retiring after 30 years of service with the company.

Mike joined Inco in 1964 after graduating from McGill University with his PhD that same year. He was a junior engineer in the research and process technology department when he started with Inco. In 1972 he was appointed manager of process technology and in 1973 was appointed acting manager of the IORP. Prior to being manager of the copper refinery, Mike was operations manager of Inco's Exmibal project in Guatemala from 1974 to 1978.

# Interest High as Manufacturers and Mining Companies Meet.



A capacity crowd was on hand for the official opening ceremony of the show. At right, Larry Grossman, Minister of Industry and Tourism, points out the many opportunities available to Ontario manufacturers.

Interest was keen and participation high as Ontario manufacturers turned out in large numbers to view the Manufacturers' Opportunity Show at the Sheraton-Caswell Hotel recently.

Sponsored by the Ministry of Industry and Tourism, with participation by Inco Metals Company's Ontario Division and five other Northern Ontario mining companies, the two-day show featured almost 400 items that must be imported by the mining companies. Organizers of the show hope to encourage Canadian manufacturing firms to start supplying

some of this market.

According to Bob Hayworth, industrial consultant with the Ministry's office in Sudbury, the idea of the show was to bring together mining companies and potential manufacturers and give Canadian firms a look at the new marketing possibilities.

Larry Grossman, Minister of Industry and Tourism, told those attending the show that the lower Canadian dollar has given Canadian firms a chance to compete with international suppliers. He also felt that Ontario manufacturers have a

good chance to replace mining industry imports if they can duplicate quality at the same cost or less.

Jack Holtby, manager of purchasing and warehousing, Ontario Division, Inco Metals Company, is pleased with the excellent response to the show. "We received numerous leads from manufacturers throughout Ontario," he said. "And will follow up on them in a short time."

Inco's display, which drew many favorable comments, was designed by Orest Andrews, of Inco's audio-visual group, and co-ordinated by Peter vom Scheidt, of public affairs.



Bill Hudgins, left, industrial engineer, and Harold Howse, maintenance engineer, discuss Inco's yearly consumption of conveyor belting supplies with this out-of-town manufacturer.



John Ticalo, left, buyer, and Nick Palandra, supervising buyer, inform an interested onlooker of the scope of materials presently being purchased from international companies.



A crane operator's eye view of the foundry additive plant from about 25 feet off the ground. Some of the cranes at the Port Colborne Nickel Refinery are more than 40 feet off the ground.

## Cranemen at the Port Colborne

Bright orange light radiates throughout number four building as a steady stream of molten slag pours from the huge pot, onto a tray and into the pit full of quenching water. Charlie Campbell, a crane operator in the anode department at the Port Colborne nickel refinery, reaches out, pulls on the auxiliary hoist control and quickly returns it to the neutral position. He moves it just long enough to tilt the slag pot a little and maintain a steady flow, repeating the action every few seconds until the pot is empty.

Moving and dumping the slag pot in the anode department, filling the harp with rounds and taking different nickel products from stock to be weighed before shipment from the warehouse, are just a few of the hundreds of different jobs done routinely by the 16 or so full time crane operators at the refinery.

Operating a crane is not all routine though, according to Joe Fabbro a 27 year veteran crane operator.

"Running a crane is like learning to ride a bicycle, once you learn you never forget, but you always have to watch where you are going. Each crane has a different 'feel' to it and that changes every time a repair is carried out. You have to be thinking and compensating for things all the time." When asked what the most difficult job for him was, he reflected for a few seconds and said, "For me it was clamming utility nickel-shot out of the pit. The clam was hard to close evenly and sometimes the molten metal would burn the cables



# he Nickel Refinery

or the cables would hit and break the spout off the chute. I was lucky it never happened to me, but I know that it happened a couple of times on the other shifts."

Many of the jobs are routine, but all the cranemen rise quickly to a challenge whether it is removing a heavy piece of furnace floor or spotting a piece of machinery for the maintenance crews.

There are 120 men that qualify to operate cranes at the refinery. Depending on production quotas, between 10 and 25 of them are full time, while others relieve for sickness and vacation. Some qualify only so that

they can operate the cranes for testing purposes after carrying out repairs. All operators are required to pass an annual physical examination, ensuring excellent eyesight as well as good physical condition.

Most of these cranemen can quickly adapt to operating a variety of cranes at the Port Colborne nickel refinery, but the more familiar one is with a particular crane, the faster, smoother and more efficient the operation. Well trained cranemen, familiar with their equipment are a definite asset to Inco and those at the Port Colborne refinery are among the best.



Matthew Nalezinski at the controls of number seven crane. It is one of the most used cranes in the warehouse and is due to be replaced shortly with a more modern unit.



Number nine crane in the anode department is the newest. It was installed in May 1979 and has a glass enclosed cab, intercom and air conditioning. Operator Julius Fritz says, "The new crane is great but I'll like it a lot better when I get used to it a little more."



Richard Buchholz, a crane follower in the warehouse, prepares a bundle of nickel sheets for transport to the shears where they will be cut.

# 1970-79 The End of a Decade

Some time in the future your grandchild may blow the dust off the cover of a book devoted to a study of the 1970's. What title will be stamped on its cover? A Decade of Decadence? The Soaring Seventies? Doubtless it would provide interesting reading material on the evolution of the world, Canada, Sudbury and Inco Metals Company through those years.

Vietnam dominated the news in the early seventies and the gut wrenching turmoil in the United States that eventually turned Americans against the war in Southeast Asia reached a climax with the Kent State tragedy. National Guardsmen opened fire on protesting students on campus killing four and wounding another nine. "Peace with honour" replaced the "escalation" dictum of the late sixties and by 1975 the last Americans in Vietnam were being airlifted out of Saigon as the city fell to the North Vietnamese.

Terrorism raised its ugly head during the Seventies. The worst of all terrorist acts came during the 1972 Munich Olympics when Palestinians violated the ideals of a peace oriented athletic event to hold and eventually kill several Israeli athletes. Skyjackings for both politics and profit also were undertaken in great numbers. Towards the end of the decade this activity seemed to tail off. The F.L.Q. brought home some of that terrorism to which Canadians assumed they were immune. The Laporte-Cross Kidnapping and the October Crisis which followed drew the eyes of the world to Quebec.

Peace, on the other hand, had commanded the attentions and efforts of many people during the seventh decade of this century. The United States and the Soviet Union, perhaps realizing the insanity of permitting the arms race to continue, strove to establish some control. The first

strategic arms limitation talks were held, an accord was reached and the door left open for further limitations and maybe even reductions. During this time the "Cold War" melted into "Detente". Though Canada had recognized China for years, it was only during the Seventies that the United States made efforts in that direction. Momentous visits to Peking by Henry Kissinger in 1971 and President Richard Nixon in 1972 were followed in 1979 by full diplomatic recognition. Egypt and Israel, with the help of Jimmy Carter, were able to bury the hatchet after a conflict that had plagued them for thousands of years.

The word "Watergate" came to define the violation of a nation's trust by President Nixon and his executive. Richard Nixon's cover up of the break in at the Democratic Party National Headquarters led eventually to his resignation from the presidency and the subsequent appointment of

Gerald Ford. In Canada the public was alerted to "Nannygate", "the Skyskops Affair", and RCMP wrongdoings.

While Americans experienced a political upheaval Canadians lived under relative stability as the cerebral Pierre Elliot Trudeau remained prime minister for the better part of the decade. The man swept to power on the crest of a wave known as Trudeaumania. In his time Trudeau became known as "the philosophers", and made "the shrug" and "fuddle-duddle" standard replies. A devout federalist, Trudeau continually emphasized national unity and the special needs of Quebec and French-Canadians in general, particularly after the election of the separatist Parti Quebecois government in 1976.

Trudeau fell from grace with the electorate in 1979 and the decade closed with the election of Joe Clark and the first Conservative government in twenty years.



*Inco's agriculture department continued their efforts in the 70's to revegetate once barren tailings.*

The Seventies were filled with excitement and thrills from the world of sport as individuals and teams strove to win. Olga Korbut, Nadia Comeneci, Bjorn Borg, Chris Everett, O.J. Simpson, Guy Lafleur, Bobby Orr, Mark Spitz, Hank Aaron, Jack Nicklaus and Pele are but a few names that come to mind when delving into the great athletes of the period. The single most exciting moment, as far as Canadian sports fans were concerned, came during the Canada-Russia hockey series in the autumn of 1972. Who could forget the drama of Paul Henderson's winning goal late in the final game? During the 1970's Canada staged a number of international sporting events with great success including the Commonwealth and the Olympic Games (albeit the latter was something of an expensive proposition). Some Canadians that stood out include: Kathy Kreiner of Timmins, Olympic gold medalist in skiing; Gordie Howe, ageless hockey star; Diane Jones-Konihowski, world-class pentathlete; Ron Turcotte, the jockey who spurred Secretariat to the Triple Crown; Graham Smith, world class swimmer; Tony Gabriel, sure-handed receiver with the Ottawa Roughriders.

In terms of the Sudbury region the Seventies have brought a number of significant changes. At the insistence of the provincial government and after a lot of analysis and discussion, the various municipalities were brought together under the umbrella of regional government.

Throughout the last few years Sudbury has flourished into a proud city with a clean cosmopolitan look about it. Among the most significant improvements made in the area are those made to roadways. Where narrow roads once were plugged with traffic, new wider avenues stand, handling the increasing flow of cars. Highway 17 West was straightened and widened, a major artery was created out of Paris and Notre Dame Streets. Highway 69 North was broadened to Hanmer and the Lasalle extension was laid to help the traffic situation in the area.

Architecturally speaking, Sudbury entered the Seventies on the heels of an urban renewal project. The trend to new construction, particularly in



Astronauts Charles Duke and John Young visited Sudbury in the summer of 1971. They were studying Sudbury breccia prior to their trip to the moon aboard Apollo 16.

the downtown area, continued with the erection of some impressive structures. In 1977 the big, modern Civic Square was completed. Immaculate and functional, it houses regional and city governments. A new Red Cross building plus the completion of the provincial government office tower at Civic Square and the proposed taxation data centre are projects that will ensure an ever-changing sky-line for Sudbury.

In the summer of '71 astronauts John Young and Charles Duke tramped through the hills around Kelly Lake brushing up on geology for their trip to the moon aboard Apollo 16. They were particularly studying a rock formation known as Sudbury breccia said to have resulted from the impact of a gigantic meteorite two billion years ago. The same formation exists on the moon.

Not that Sudburians do not have an appreciation of geology, but they spent a lot of time and effort during

the Seventies covering up those rock formations with grass and trees. Inco's revegetation experiments on tailings areas and along Highway 17 West between Sudbury and Copper Cliff proved that vegetation could be induced to make a comeback. Land reclamation projects were undertaken by the local government employing students during the summer. Along the approaches to Sudbury, where there existed only rock, sterile soil and dead shrubs, workers spread tons of lime, fertilizer and seeds. On the land bordering Highway 17 East near Coniston, on Highway 144 north of the Lasalle turn-off and on the road leading from the airport into town there exists the first generations of grasses and trees giving the area a green garb. Land reclamation projects, blessed with the advantage of employing students during summers and being able to produce visible results, will continue into the 1980's to assist in the greening of Sudbury.



# The Seventies are Now History

Throughout the decade, Sudbury drew the attention of the nation in several areas. In the fall of 1977 a deterioration in the world-wide nickel market forced Inco to curtail nickel production and reduce employment at its Sudbury operations by some 2,800 jobs. By the end of 1979, some 500 of those employees had been recalled. The eight month long Inco strike gave Sudbury much attention in national media. So did the devastation wrought by the tornado that swept through the city in August of 1970. The massive manhunt launched by the authorities to capture the elusive escaped killer Donald Kelly thrust Sudbury into the headlines.

Above all else the accomplishments of local people have given Sudbury the best kind of publicity through the decade. Keeping with a tradition of athletic excellence, several Sudburians have distinguished themselves nationally. They include cyclist Gary Trevisiol, distance runner Veronica Poryckyj, snooker player Natalie Stelmach and boxer Gord Appolloni. Since the arrival of major junior hockey, Sudburians have seen many juniors

blossom into fine professional prospects. Former Wolves players now in the pros include Eric Vail, Rod Schutt, Randy Pierce, Dale McCourt, Ron Duguay, Dave Farrish and Mike Foligno. On the football scene, Levack native Jim Plaskoski, who was an outstanding player with the Sudbury Spartans, went on to play with the Ottawa Roughriders. Throughout most of the 70's he was a defensive end on the starting lineup with the Ottawa club.

Sudburians have come to the fore in other areas as well. It was Nancy Jane Newburn who captured the Miss Teen Canada title in 1976. A group of young Sudburians formed a group known as Cano and, with their unique brand of music established a country-wide following. In the realm of politics the Member of Parliament for Sudbury, Jim Jerome, was elected Speaker of the House of Commons.

For Inco Metals Company the Seventies have brought changes. For example it was in this decade that the shift was made from badges to identity cards. It was also during this period of time that employees saw their pay deposited directly in bank

accounts in place of receiving a weekly cheque. In the Seventies the company's corporate identity was changed, not once, but twice, from The International Nickel Company of Canada Limited, to Inco Limited to Inco Metals Company. Women made their first appearance in surface plants for the first time since World War Two. Inco employees continued to be involved in local organizations and community events.



The Copper Cliff nickel refinery opened in 1972 and represents a multimillion dollar investment.



The superstack was completed in 1972 and according to the Guinness Book of Records is the tallest chimney in the world.



# What were Your Impressions of Them?

Although Inco began the seventh decade by closing down the 57 year old Coniston plant it was not to be a harbinger of things to come. The era has been basically expansionary with the company investing money locally, in Shebandowan, in Thompson, in Indonesia and in Guatemala. The company invested one billion dollars in Canada between 1966 and 1972 to increase production capacity. Part of the funds went into the construction of the spanking new Clarabelle Mill.

The nickel refinery erected near Copper Cliff represents another multi-million dollar investment. Completed in 1972, it is designed to utilize two Inco developed techniques. One is the use of the top-blown rotary converter for non-ferrous smelting. The second is the use of the Inco Pressure Carbonyl process for the recovery of pure nickel from a variety of nickel bearing feed materials.

In another development, Canadian Alloys, a division of Inco Limited opened a \$25 million rolling mill at the Walden Industrial Park in 1979. The plant produces strip for both domestic and foreign coinage from nickel or copper powder. It represents a significant addition to the region's industrial base. The rolling mill is designed with the environment in mind featuring a heat recovery system as well as dust collection and filtering systems.

One of the biggest projects in terms of size was the construction of the superstack. Standing 1245 feet from base to top the stack is composed of 21,564 cubic yards of concrete. The structure weighs a stupendous 43,000 tons. According to the Guinness Book of Records, the superstack is the worlds tallest chimney. Since the completion of the superstack an improvement in air quality has occurred locally and new vegetation is returning in many parts of the region.

The Employees Suggestion Plan has paid out a total of \$489,508 and received, 25,650 suggestions in the



*Inco continued its support of community sports scene with its sponsorship of the Inco Cup ski competition. Here Inco Cup champions Raymond Pratte and Christine Heikkila hoist their trophies during ceremonies in 1974.*

last nine years. Estimates on the amount of money saved after the implementation of suggestions are placed at something over \$5,000,000. Obviously the plan benefits all concerned.

In the last ten years Inco's community involvement has continued. Deserving highschool graduates who are sons or daughters of employees still receive scholarships. The company also contributes scholarships at Laurentian University, Queen's University and the Halleybury School of Mines.

The company has maintained a strong presence in the local sports scene sponsoring numerous events. During the early 1970's Inco sponsored the International Highschool Hockey Tournament. Involvement in other areas include: sailing's Inco Regatta; harness racing's Inco Plate; alpine skiing's Inco Cup Series; cross-country skiing's Inco Loppet; and golf's Inco Tournament. The "Ontario Torch" to be used for all Ontario Games, both winter and summer, was donated by the company and housed in Sudbury when not in use. The football figures

which stand at the entrance of the C.F.L. Hall of Fame in Hamilton and impressive Canada Cup for international hockey are made of Inco nickel.

In other venues of community involvement the company has sponsored the "Inco Showcase", a television program for local musicians. A plethora of institutions and services benefit from company assistance. The latest being a \$400,000 commitment to the Sudbury General Hospital for the purchase of a C.A.T. Scanner.

Whatever they choose to title the book on the 1970's it cannot be "Dull" or "Stagnant". Whether one looks at the development of the world community or the Sudbury Region or Inco Metals Company, the seventies have been dramatic, controversial and progressive. New challenges, like the oil and energy crisis, have manifested themselves in this decade and must be addressed in the next. If the dynamism of the Seventies can be constructively harnessed then the Eighties will be a great decade as well.

*This article was contributed by freelance writer Frank Pagnucco*



Mike Barrette, audio-visual technician, prepares a three-dimensional drawing for a slide presentation.

# New Audio Visual Formed



Orest Andrews, audio-visual co-ordinator, adds the finishing touches to this 'equipment check' poster which will be displayed at various mines and plants.

# Department

A reorganization within the Training and Development Department has brought about the creation of a new section within that department called the Audio Visual Group.

What was previously known as Central Mines Training has been absorbed into the staff training section of the Training and Development Department.

"We wanted to ensure that all major audio visual resources were under one umbrella," said Walter Lalonde, supervisor of Staff Training. "Because of space limitations the electronics part of the department,

such as tape recorders and video tape facilities are located in the Sudbury offices of Training and Development. The graphics section, where slide copies, titling and artwork is done, is located within the Froid-Stobie complex."

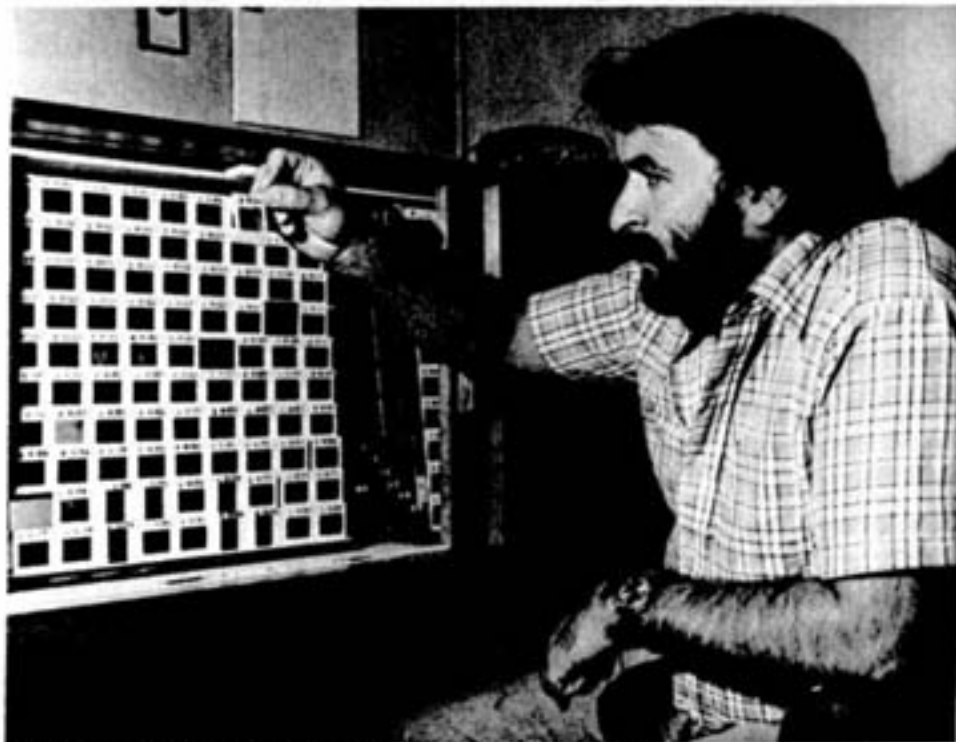
Coping with a heavy work load is one thing that the audio visual group is used to. Last year, its members successfully completed no less than 150 projects. They have done everything from designing displays for conventions to providing tape dubs for training films.

The group is also responsible for maintaining some of the 450 various types of audio visual equipment that is used throughout Ontario Division mines and plants.

Some of the major projects carried out by the group include their assistance with the Canadian Alloys Plant opening and the Manufacturers Opportunity Show. They also produced a video tape with Inco's Norm Hillier and Local 6500's Keith Rothney, that explained Bill 70. The tape had extensive viewing throughout Inco mines and plants.



Aurel Courville, audio visual co-ordinator, gets ready to photograph an efficiency chart for a mines cost presentation.



Rick Urysz, audio-visual technician, selects one of the thousands of slides, categorically displayed in their library.

# people



Part of the Company's program for keeping employees informed on future plans is a series of meetings held at various plant locations. Here, **Gord Machum**, vice president of smelting and refining, now retired, addresses a group at the Copper Cliff copper refinery.



Two recent visitors to Inco's new divisional shop's complex in Copper Cliff were Brian Micklethwaite and Harry Johnson. They both work for Doncaster, Inco Limited's subsidiary in England. Brian is production manager and Harry is the sales manager. "We wanted to get a first hand look at the shops in Copper Cliff to see if they could do some machining of the forgings that our company produces," said Harry. "Our forged products are mostly for the U.S. and Canadian market so it would be a real advantage if we could ship the forgings to Copper Cliff for machining, since they have to be shipped to North America eventually." Examining the digital readout panel of the NC lathe are from left, **Fern Roberts**, superintendent of the divisional shops, **Harry Johnson**, **Brian Micklethwaite**, and **George Czigarensko**, supervisor of contract services, for Inco.



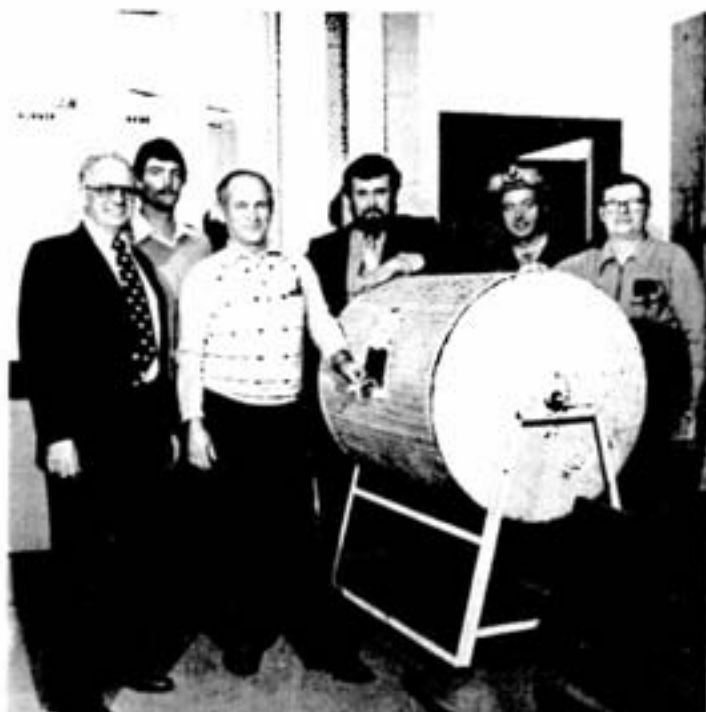
Under the terms of the collective bargaining agreement a joint training committee has been established between Inco and Local 6500. The committee meets at least once a month to exchange and discuss information about training. In December they toured several company locations including the welder training area at Creighton mine, where the above photo was taken. In picture are, from left, **Ron Ferguson**, a welder in the divisional shops, **Tom Taylor**, union co-chairman, **Bernie Piche**, welding instructor and **Vince Orlando**, company co-chairman.

Inco spent approximately \$14 million on research and development in Canada in 1979. The company has three research pilot plants at Port Colborne and one in Sudbury, as well as a highly sophisticated research centre in Sheridan Park, Mississauga. There are also major process technology operations in Thompson, Manitoba and Sudbury. All together, these facilities employ about 300 people and have been responsible for many major innovations and significant improvements in the operations of the company.





A party was held recently at the Chalet in Val Caron to honor pensioners from the Safety and Plant Protection Department. It's not often that this group gets together so we recorded the moment for you. In photo are, front from left; **John Phillips, Reuben Phillips, Frank Mazzel, Ken Glynn and Finlay MacLeod**; in back row are, from left; **Sam Lowe, Leo Fournier, Vic McCabe, George Orbeck, Albert Fallu, and Jim Vesterfelt.**



One of the many Christmas activities that have become annual events throughout Inco mines and plants is the turkey draw. This draw held at Creighton complex is typical of draws held at other locations. In photo are, from left, **Orville Cull, Jeff Prince, Bill Lockman, John Ongarato, Garnet Phillips and Red Bruce.**



After the successful completion of the Christmas flower display at the Inco greenhouse in Copper Cliff all the Christmas plants were distributed to various places in Sudbury. One of the many places that the plants were donated was the CNIB in Sudbury. Greenhouse workers **Laurie Van Allen, left, and Carolyn Vecchia** present some of the plants to **Geoff Eden**, the district administrator for the CNIB. It is interesting to note that 7,580 people visited the greenhouse during the Christmas season this year. This compares with 6,718 who attended last year's show. A new one-day record was also set. On December 30, a total of 1,167 people passed through the greenhouse doors.



Approximately 80 curling enthusiasts attended the mines engineering bonspiel held recently at the Copper Cliff Curling Club. This year's event was hosted by the Creighton engineering department and was ably organized by convenors **Bob Coulter and Larry Carriere.** The Levack team, skipped by **Ron Matte**, captured top honors by obtaining 23 out of a possible 24 points during the day's play. Accepting their trophies are, from left, **Ron Matte, Leo Traynor, Dick Brownlee and Clarence Vowells.**

## Inco in the community

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

**Indian Eskimo Friendship Centre,  
Sudbury Chamber Singers,  
Cerebral Palsy Association, Vita-  
Way Farm.**



The Ontario Division of Inco Metals company was presented with two awards from the Sudbury Arts Festival Association for the Company's assistance in Spectrum, the annual art festival held in Sudbury. Sister Maris Stella president of the Arts Festival Association and Jim Tester a director of the association presented the awards to Inco. Accepting on behalf of the Company were Ron Brown, assistant to the president and Sid Forster supervisor of public affairs. In photo are, from left, **Jim Tester, Ron Brown, Sister Maris Stella, and Sid Forster.**



One of the highest awards given by the Royal Canadian Legion is the Life Membership award. The Lively branch of the Legion recently honored two of its members with such an award in a joint presentation ceremony. Inco pensioner **Bill Morrison**, left, Deputy Zone Commander for Zone H3 of the Legion, presented the award to **Mike McGlinchley**, centre, and to **Grant Villeneuve**. Mike is a chemist at the Iron Ore Recovery Plant and Grant is retired from Inco. "The Life Membership Award is not awarded very often," said Bill. "And when it is, the person receiving it has put in many years of devoted service to the Legion. Both Mike and Grant have certainly done that."



Vistors to the Christmas flower display at the Inco greenhouse in Copper Cliff tossed their spare change into the many fountains that were part of the display. As in the past all money collected is donated to the Salvation Army and this year \$133 in coins was the final tally. Inco greenhouse hostess **Hannah Moores** presents part of the money to **Charles Kerrigan**, family services officer for the Sudbury branch of the Salvation Army. "The money will go into our Christmas fund," said Charles. "It will help pay for the more than 800 vouchers that were distributed to families during Christmas."

# Commemorative Coins Mark the End of The Year of the Child

*The year 1979 was the International Year of the Child and the Ontario Division of Inco Metals Company recognized the passing of that year with three special presentations. The last baby born in 1979 in each of the cities of Sudbury, Port Colborne and Thunder Bay received a gold coin struck by the Royal Canadian Mint commemorating the International Year of the Child.*



*In Sudbury the last baby born in 1979 was Shawn Picard, son of Yves and Viola Picard of Dowling. Young Shawn was born at 11:15 p.m. on December 31, and weighed a healthy six pounds 15 ounces. Making the presenting to Shawn and Viola is Morris Brown, director of public affairs for the Ontario Division of Inco Metals Company.*



*The last baby of the year born in Port Colborne was Rebecca Ann Gare. She was born at 11:00 p.m. on December 30 at the Port Colborne General Hospital and weighed 11 pounds four ounces. Rebecca Ann is the daughter of Linda and Charles Gare of Port Colborne. Presenting the commemorative gold coin to the baby and proud parents is Elaine Arnold, supervisor of public and community affairs at the Port Colborne nickel refinery.*



*Travis Armstrong son of Ken and Mary Anne Armstrong of Thunder Bay, was the last baby of the year for Thunder Bay. Travis was born at 7:57 p.m. December 31, and weighed in at seven pounds 14 ounces. John Kelly, manager of Shebandowan mine, presented the gold coin on behalf of the Company.*

# Childrens' Christmas Parties a

*Numerous childrens' Christmas parties were held at all company facilities. We present here a visual sampling of just some of the parties. The photos were taken of children at the Copper Cliff copper refinery, the Creighton complex and the Levack complex.*



*This crowd of children grouped around Santa were at the Christmas party organized for the Creighton complex. They attended a skating party at the Walden Arena.*



*Mrs. Bruce McKee and her two children Kimberly Ann and Courtney Lynn visit Santa during the Levack complex Christmas party. Clowns are, left, Laurel Guse and Joan Haddow.*



*Carrie-Ann Charron gets a big hug from Santa during the Creighton Christmas party. Her father, Creighton mine electrician Robert Charron, stays close for moral support.*



# Success



Young Robbie Regimbald seems more interested in Santa's glove than he does in the toy. Robbie is the son of Tom Regimbald, a process laborer at the copper refinery.



Reg Foiz, a crane follower at the copper refinery, talks with young Trevor and Shawn Baird while their father, Charles also employed at the copper refinery, keeps a close eye on things.



Terry Steckless from the copper refinery and daughter Heather pay a visit to Santa Claus.



Jenny May Martindale, front, is completely captivated by the puppet show at the Leveck Christmas party. David and Shannon Delorme seem to be occupied by something else.

# Suggestion Plan Awards

Inco's suggestion plan was going full tilt in October and November and as a result, 135 suggestions were awarded for a total of \$9,335. If you have any bright ideas be sure and submit them to the suggestion plan they could be worth some money to you.

## ABBREVIATIONS USED

C.C.M.	Copper Cliff Concentratory
C.C.S.M.	Copper Cliff Smelter
C.C.C.R.	Copper Cliff Central Utilities

\$895	Stan Radicci	Divisional Shops	Improved method of rewinding armatures on 100-ton and 65-ton locomotives
\$280	Roger Latour	C.C. Smelter	Fill D.P. cell lines on waste heat boilers with antitreeze
\$275	George Keall	C.C. Smelter	Install curved plate at the converter slag pot bays
\$245	Isidore Raymond	Garson Mine	Replace bolts and nuts which secure buffer springs on LM-58 Copco loaders with standard M.C. bolts.
\$235	William Leeson	C.C. Smelter	Rebuild cast iron slippers for Casting Bldg. cranes power pick-up
\$150	Dennis Babcock Bob Brawley	Little Stobie Mine	Reroute wiring harness on No. 347 S1-4 scooptram.
\$150	Ray Dovidovic	C.C.S.M.	Install isolating transformers in the skid hoist to isolate AC voltage.
\$150	Ray Dovidovic	C.C.S.M.	Replace present protection and install two spider type probes to protect chutes
\$150	Laun Kar Larry Martin Stelan Bilyj	Creighton Mine	Improved method for flushing mixing tank discharge lines in the Sand Plant.
\$150	Moe Leblanc	Crean Hill Mine	Install screen doors to cover engines on Clayton locos
\$150	Theo Mathew	C.C.C.R.	Install steel plate under C rollers to strengthen base on anode wheel.
\$150	Klemens Rothensee	Garson Mine	Revise the standard for bracing stringers in undercut and fill mining
\$130	Ronald Linvill Murray Furlotte	Creighton Mine	Fabricate an improved guard for auto rotation on Joy In-Hole drills
\$110	Edwin Leuschen	C.C. Mill	Install an inspection port on Federal Pacific breaker cabinets.
\$105	Wilfrid Salo	C.C. Mill	Plug side pick-up bleeder for sand tailings being pumped to Creighton
\$100	Gaelan Rainville	C.C.C.R.	Install platform for accessibility to solution valves at Marotte bottles in the Acid Plant
\$100	John Sios	C.C.S.M.	Standardize cable eye bolt anchors to accommodate a 5' 8" shell

### \$90 awards were presented to:

Willis Anderson	C.C.S.M.
Mehmet Gurhan	Matte Proc.
Stanislaw Sroga	C.C.C.R.

### \$80 awards were presented to:

Dorval Gauvin	Divisional Shops
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### John Lantaigne

William Morton
Grog Nault

### \$75 awards were presented to:

Ray Lalonde	C.C.C.R.
Roy Manning	Central Utilities

### I.O.R.P.

Matte Proc.
C.C.S.M.

### \$70 awards were presented to:

Giovanni Bon	C.C.N.A.
Ross Bulmer	Garson Mine
Heinz Rummel	C.C.C.R.
Nick Choppe	
Garry Timmins	C.C.C.R.

**\$65 awards were presented to:**

Duncan White	C C C R
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**\$60 awards were presented to:**

Willfred Goulais	C C Mill
Harold Kulmala	C C S M
Greg Nault	C C S M
Mauri Kankaanpaa	C C S M
Ronald Ray	C C C R
Walter Vale	Green Hill Mine

**\$55 awards were presented to:**

Mauri Kankaanpaa	C C S M
Greg Nault	C C S M
Cornelius Luyten	C C C R
Vic Paulin	C C S M
Joe Doucette	C C S M
Paul Springer	C C Mill

**\$50 awards were presented to:**

Mike Blais	Levack West Mine
Juven Chretien	C C C R
Helmut Grabner	C C C R
Howard Larrett	C C C R
Sergio Mancinelli	I O R P
Dan Nepssy	C C C R
Norman Buchy	Garson Mine
Rick Gagnon	C C C R
Thomas Eastwood	C C C R
Vincenzo Gudaccio	C C C R
Richard Lindenbach	Frood Mine
Roger Morissette	C C Mill
Ernest Woodbury	C C Mill
Isadore Raymond	Little Stobie Mine
Rheal Prevost	Little Stobie Mine

**\$45 awards presented to:**

James J. Hlisk	C C C R
Donald Morrison	C C C R
Theo Matthew	C C C R
Duncan White	C C C R

**\$40 awards presented to:**

Douglas Hittle	Creighton Mine
Howard Larrett	C C C R
Paul Llewellyn	Central Utilities
Eddy Martin	C C C R
Gaelan Rainville	C C C R
Paul Huffels	C C C R
Lawrence Lazowik	C C C R
Eddy Martin	C C C R
Michael O'Shell	C C C R

**\$35 awards presented to:**

Elvin Brethour	Garson Mine
Robert Gareau	C C N M
David Hamilton	Central Utilities
Don Peroni	C C C R
Norman Buchy	Garson Mine
Peter Gorkiewicz	C C N R
Yvon Lebel	C C C R
Lee Aieh	C C C R

**\$30 awards presented to:**

Robert Bainbridge	Central Utilities
Wayne Boisvenue	Frood Mine
Joseph Durkac	C C N R
Daniel Gagne	C C N R
Randy Gendron	C C S M
Gary Lonsberry	C C S M
Peter Gorkiewicz	C C N R

Roger Lasco	C C N R
Wayne Burke	C C N R
William McDonald	C C C R
David Rosien	C C N R
John Vilemoro	C C C R
Felix Bonnot	C C N R
William Chapman	C C S M
Jerry Castrechino	C C S M
Yvan Forques	Garson Mine
Hector Gervais	C C N R
Gaelan Grandmaison	Garson Mine
Nel Bourget	Garson Mine
Leonard Roberge	Garson Mine
Raymond Martell	Frood Stobie Mill
Ray Murray	C C N R
Mike Tuznik	C C C R

**\$25 awards presented to:**

Joe Bampton	C C N R
Raymond Chartrand	C C C R
Donald Demers	Garson Mine
Dale Graham	C C S M
Laurie Knight	Levack Mine
Erick Lavin	C C C R
Leonard McGuire	C C C R
Michael O'Shell	C C C R
Rudolph Yagnych	Levack Mine
Gerry Belanger	Transp
Donis Clement	C C N R
Angelo Facchin	C C N R
George Hawrelluk	C C C R
Ray Laonde	C C C R
Raymond Martell	Frood Stobie Mill
Ray Murray	C C N R
Gerard Rivet	Levack Mine
Jan Szol	Garson Mine

## Port Colborne Suggestions

\$145	James Suess	mechanical	changes to 3" x 2" Durco pump frame and adapter
\$135	Leo Robitaille	mechanical	suggested new method of cleaning Top Blown Rotary Converter in research station
\$115	Eric Butler	shears	relocation of strapping boom in shearing department.
\$100	Steve Bronzowich	ENR	suggested that edges of filler cloth be repaired
\$100	Andre Rolin	ENR	covering for number one two and three pump tanks

**\$70 awards were presented to:**

Mike Angius	shears
Lyle McCutcheon	mechanical

**\$65 awards were presented to:**

Richard Castle	shears
Odilio Turcetti	shears

**\$40 awards were presented to:**

Anthony Borg	mechanical
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**\$30 awards were presented to:**

Maurice St. Louis	ENR
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**\$10 each**

Ernest Pyny	ENR
John Spiteri	ENR
Maurice St. Louis	ENR



*This pine tree in Copper Cliff nickel Park stands in silent vigil through the first winter storm of the season. Somewhere under all that snow the promise of spring awaits but for now the simple elegance found in nature shines through even in a snow storm.*