

Minerale

JULY 1980

Copper Refinery and
Smelter Celebrate
Anniversary



THE Triangle

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On the cover

This month's cover celebrates the 50th anniversaries of Inco's Copper Cliff smelter and Copper Cliff copper refinery. The birthdays of these two plants were celebrated with employee open houses. For details and photos see page five for the copper refinery and page 13 for the smelter.

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Students seek information on transportation habits

In a joint venture, Local 6500 and the Ontario division of Inco Metals Company, have received a Student Works Program grant from Employment and Immigration Canada. The grant enabled the Steelworkers and Inco to hire a team of students for the summer to perform a transportation survey. It is planned that the survey will provide basic knowledge relevant to travel habits and patterns of Inco employees as they pertain to work travel. The university students doing the survey will be visiting all Inco plants in the Sudbury area during the course of the summer. Students are, from left, Marty Willichuk, Christiane Lavoie, Sondra Corneau, Mauro Zuliani, Suzanne Lane, Liz Solipiwko, Monique Meilleur and Lynda Sedore.

Company and union fund study

The Ontario division of Inco Metals Company and Local 6500 of the United Steelworkers of America announced their joint financial support totalling \$35,000 to Laurentian University for the "Strike Impact Study Follow-up" which is being undertaken by Dr. Henry Radecki from the Department of Sociology and Anthropology at Laurentian University. This new study will survey the same people who were interviewed for the original Strike Impact Study. The respondents include wives of striking Inco employees, wives from non-striking families within the community and various organizations, associations and services.

Dr. Radecki and professors Ernie Taylor and Conn Ashby from the School of Social Work at Laurentian conducted the original "Strike Impact Study" following the end of the eight and one-half month long Inco strike.

The study, which was released in December 1979, focused on the economic experiences of families during the 1978-79 strike at Inco and on relationships within families during this period.

The purpose of the Strike Impact Study Follow-up is to inquire into the longer term effects of the 1978-1979 strike at Inco on Sudbury area families and on selected services and organizations.

"We are pleased to support the important work and research being undertaken by Dr. Radecki," said Wint Newman, president of the Ontario division of Inco Metals Company. "His original findings and conclusions were of significant interest to all concerned parties. The results from the follow-up study should be equally as important in learning more about the aftereffects of the long strike on families and the community."

"The Local was in favour of the first Strike Impact Study because of the tremendous financial burden and pressures placed on our members during the strike. The follow-up should prove to be very interesting in that we will have some insight into the long-term effects of the strike," said Dave Patterson, president of Local 6500 of the United Steelworkers of America. "Since the strike, our Local has provided a number of services that we hope our members are taking advantage of."

"We are sure that the follow-up study shall give us the information we need to ensure that we can implement the services our members need now. That follow-up study could be used by other Steelworker Locals in similar circumstances," said Mr. Patterson. "The Study should benefit all parties concerned, especially the Local union and the servicing of its members."

The Strike Impact Study Follow-up interviews started June 2 and are expected to continue into early September. Results of the study will be available early in 1981.

Port Colborne pensioners' golf tournament

Port Colborne pensioners are reminded that the IN Touch golf tournament for Port Colborne retirees will be held Wednesday, August 6, 1980. Anyone interested in entering should contact Port Colborne pensioner Les Lewis. His phone number is 834-6671.

June Appointments

Indrek Aavisto, supervisor metallic evaluations, division comptroller, Copper Cliff.

Robert Andrew, senior chemist, process technology, Copper Cliff.

Joan Babij, assistant division comptroller, Copper Cliff.

Sandra Benham, material controller, purchasing-warehousing, Copper Cliff.

Dorothy Cayen, cost analyst, Copper Cliff.

Susan Chartrand, senior purchasing clerk, purchasing-warehousing, Copper Cliff.

Alan Church, superintendent technical services, process technology, Copper Cliff.

Darlene Dini, accounts payable clerk, Copper Cliff.

Richard Drewe, area supervisor industrial relations, Copper Cliff.

Robert Edmunds, grade control technologist, mines exploration, Garson mine.

Mary Fillator, clerk stenographer, Copper Cliff.

Alan Jennings, supervisor capital expenditures control-property records, Copper Cliff.

Thais Johnson, secretary, Copper Cliff.

Donald Keegan, lead computer operator, Copper Cliff.

Ralph Lamacraft, industrial evaluator, industrial engineering, Copper Cliff.

Wallace Lamondin, buyer, purchasing-warehousing, Copper Cliff.

Carlos Landolt, superintendent process technology, Copper Cliff smelter.

Steven Lindsay, surveyor, mines engineering, Stobie mine.

John Laronde, mine foreman, Levack complex.

John MacNeil, smelter foreman, Copper Cliff.

Jerry Maki, process foremen, Copper Cliff smelter.

William Manfred, surveyor, mines engineering, Levack mine.

Alexander Miglioranza, timekeeper, Creighton no. 5 mine.

William Oldenburg, run co-ordinator computer systems, Copper Cliff.

Louis Paquette, maintenance foreman, copper refinery.

Rita Paquette, computer operator, Copper Cliff.

Eugene Paulauskas, section leader-analytical, process technology, Copper Cliff.

Gerald St. Louis, mine general foreman, Levack mine.

Hana Susil, development chemist, process technology, Copper Cliff.

Michel Sylvestre, surveyor, mines engineering, Creighton no. 5 mine.

Marcel Vaillancourt, mine foreman, Frood Stobie complex.

Kalervo Vainio, construction co-ordinator, engineering, Copper Cliff.

Egle Wennerstrom, terminal operator, engineering, Copper Cliff.

William Wickham, chemist, copper refinery.

Wayne Wilson, metallurgical material co-ordinator, Copper Cliff.

LETTERS

was the fireman and Pete Talyor the engine operator."

Ethel goes on to say that she lived at Maley's Road close to the sand pit where the engine operated. She sent us a photo of "old 22" with her husband and Pete Talyor aboard.



We had a nice note from Ethel Powlesland commenting on the picture of number 22 locomotive in the April edition of the Triangle. She said in part: "I too have memories of the 'old 22'. My husband, Ernest,

LOOKING BACK

THROUGH THE PAGES OF THE TRIANGLE

35 Years Ago

The Inco Triangle in the business of reviewing movies? Believe it or not, 35 years ago, the editors of this magazine, offered a column entitled "Current and Choice in Sudbury Cinema." In May 1945 it took a look at "And Now Tomorrow", the Paramount adaption of Rachel Field's romantic and touching love story. The Triangle called it "a must for May in Sudbury Cinema". The film starred "beauteous" Loretta Young and "popular" Alan Ladd, who has just been discharged from the army. Other movies billed for May were: "Meet Me in St. Louis" with Judy Garland; "Tonight and Every Night" with Rita Hayworth; "Music for Millions" with Jimmy Durante; "Flame of the Barbary Coast" with John Wayne and Ann Dvorak.

In the same issue the Employees' Suggestion Plan, instituted two years earlier, was examined. Since its inauguration the plan had received 7,303 suggestions, 1,600 of which were either accepted or under consideration. A total of \$17,329 had been paid out to employees in the form of War Savings Certificates and Victory Bonds. The man in charge of administrating and organizing the Suggestion Plan at the time was Jim Harvey, secretary of the Mines Suggestion Committee.

23 Years Ago

Keeping the electrical "juice" flowing into Inco's plants was the concern of a pair of line patrol men, Dan Leach and Matti Hellin. The two men and their work were featured in the May Triangle of 1957. Leach and Hellin were responsible for maintaining 110 miles of pole lines in all kinds of weather through the entire

year. In addition to checking every bit of line and each and every insulator once a month, the men also located power failures and channelled power around trouble areas during storms. Lugging their equipment over miles of rugged country, they agreed, made for healthy work.

10 Years Ago

Throughout 1969 Inco's diamond drillers worked a total of 232,312 man-hours without an accident. The following year, at the annual meeting of the Canadian Diamond Drilling Association in Vancouver, this record

was judged the best of all companies operating diamond drills in the nation. As a result Inco was presented with the association's mining company diamond drilling safety award. In May, 1970 the Triangle carried a photo of Clare Cyr, diamond drill foreman, who accepted the award on behalf of the Company.

That same issue of the Triangle carried the "pedigree" of Copper Cliff North mine. North mine's history dated as far back as 1886 when the Canadian Copper Company used it as an entry to the riches lying beneath the Sudbury Basin.



Matti Hellin and Dan Leach were featured in the May 1957 Triangle. The two Inco linemen were responsible for maintaining 110 miles of pole lines.

Happy 50th birthday Copper Refinery

The Copper Cliff copper refinery celebrated its 50th anniversary June 5 with an open house for its employees and their families. Approximately 2,300 people visited the copper refinery, according to Bill Brown, administrative assistant at the copper refinery. "The open house couldn't have been better," Bill said.

As well as a tour of the copper refinery, which included displays of precious metals, other activities kept people busy during the day. Bus tours of the copper refinery began and ended at the McClelland Community Centre, where visitors sat down to a bullet meal while younger visitors enjoyed a puppet show.

Although the copper refinery is 50 years young, its history can be traced to the 1860's. Long before it was actually established, in 1883, during the construction of the Canadian Pacific Railway, copper-bearing ores were discovered near the village of Sudbury. In 1886, the Canadian Copper Company was formed to extract these ores and an agreement was made with the Oxford Copper Company to refine them at its refinery in New Jersey. This was the earliest corporate beginning of the present Inco limited.

In 1902, the Canadian Copper Company and the Oxford Copper Company merged, and with other companies formed the International Nickel Company, incorporated in New Jersey. In order to consolidate the

new company's mining interests in Canada, the International Nickel Company of Canada Limited was formed in 1916 as a subsidiary of the New Jersey company. It became the parent company in 1928.

A year later, the International Nickel Company of Canada Limited and other partners established the Ontario Refining Company Limited to construct and operate an electrolytic refinery in Copper Cliff. Soon after, Inco purchased the interests of the other partners, and in 1941 the company was renamed the Copper Refining Division and ultimately the copper refinery of Inco's Ontario division.

The copper refinery's processing facilities have undergone significant changes since the refinery was established in 1930. In 1936, the first large-scale installation of direct-arc electric furnaces for the continuous melting of copper cathodes was placed in operation. In 1936 the transportation of molten blister copper in hot metal cars between the copper smelter and the copper refinery was inaugurated.

Bunker C oil replaced pulverized coal as fuel for the anode reverberatory furnaces in the early 1940's. Bunker C oil was replaced by natural gas in 1958, as part of Inco's conversion program to this abundant and cheaper form of energy. The late 1960's witnessed the construction of a new extension to the tank house

where high purity copper is produced in the form of cathodes by an electrolytic process. The refinery's production capacity was increased in late 1969 with an extension to the existing tank house which provided an additional 200 electrolytic plating cells.

In 1970, construction of a new facility commenced for the processing of residues from the new Copper Cliff nickel refinery. This plant produces copper by the electrowinning method, nickel-cobalt carbonyl, and precious metals concentrates. With the commissioning of this plant, the copper refinery's total capacity was increased to approximately 400 million pounds per year. During the period of 1970-1974, three new vertical shaft furnaces replaced the original electric furnaces, for the purpose of melting copper cathodes to produce a variety of high quality copper shapes.

The copper refinery celebrates its 50th anniversary. Fifty years of producing high quality products, not only copper, but gold and silver as well as other precious metal products. The ORC® trademark recognized internationally as a symbol of high quality and purity is stamped on the millions of pounds of refined copper produced at the copper refinery each year. Happy anniversary!

for photo coverage
please turn page

Copper



Refinery celebrates birthday in fine style with employee open house





Members of the winning mine rescue team from the Creighton mine complex are, back row, from left: Brian Murphy, Howard Scott, Randy Naponse, Bazil Jewers; front row, from left: Leo Seguin, vice captain, Al Simpson, captain, Danny Hood, briefing officer.



Members of the Levack mine rescue team lower an "injured" miner onto a stretcher during the regional mine rescue competitions.

The 1980 Regional Mine Rescue Competition for Inco mines was held May 30 at the Coniston Arena with mine rescue teams from Copper Cliff South, Frood Stobie, Levack, Creighton and Garson participating.

The mine rescue team from the Creighton mine complex won the competition. Members of the winning team are Danny Hood, briefing officer, Al Simpson, captain, Leo Seguin, vice-captain, Brian Murphy, Howard Scott, Randy Naponse and Bazil Jewers.

The participating teams were given a simulated mine rescue situation in which a diesel locomotive caught fire, trapping six men, one of which was injured.

At press time, the mine rescue team from the Creighton mine complex was on its way to Thunder Bay to compete in the Provincial Mine Rescue Competition. There will be more on that story in the July issue.

Mine rescue



Ben Proulx of the mine rescue team from the Levack complex, recharges the cannister of his breathing apparatus.



The mine rescue team from the Levack mine complex are, back row, from left: Marcel Henri, Pat Kay, briefing officer, Tom Luoma, captain, Ben Proulx; front row, from left: Claude Leclair, Bill Gorham, Bob Parker.



The mine rescue team from Copper Cliff South are, back row, from left: Alex Gilles, Bill Halman, captain, Keith Dupont, briefing officer, Don Wilson; front row, from left: Denis Charbonneau, Bob Croteau, Ron Hebert.

competition keen



The mine rescue team from the Frood Stobie complex are, back row, from left: Guy Guerrette, John Lacey, captain, Garry Merkley, briefing officer, Bob Burns; front row, from left: Ron Charbonneau, Gord Rae, Ron Blay.



The mine rescue team from Garson mine are, back row, from left: Dave Fairburn, Charlie Burton, captain, John Hughes, briefing officer, Brian Vallier; front row, from left: Jim MacLellan, Camille Belanger, John Kirkness.

The Marinows and their "elixer"



Martin Marinow in his workshop.

Martin and Lola Marinow may not have discovered the "Fountain of Youth" but they have found the next best thing. No special elixir of life for this Sudbury couple, but rather a willingness to explore new vistas and to wander through the realm of creativity. Hobbies provide them with an avenue to channel their considerable creative energies. Martin works with wood while wife Lola turns the potter's wheel.

A general foreman at Inco's Stobie Mine, Martin has spent the better part of the last thirty years providing

for his wife and three children. There came a point in the lives of the Marinows when they found the nest was not quite as hectic as it used to be. The children had left home for lives of their own. With a little more time on their hands the Marinows decided that a return to school to learn new pursuits was in order.

Four years ago Martin enrolled in a night school woodworking course offered at Sudbury Secondary School. Up until then he had little or no experience and even less inclination to dabble in woodwork. Rather he

was moved by a love for the material itself. "I've always liked wood . . . I've always liked to just hold it in my hand," he says. Except on alternate weeks when afternoon shift beckons his attentions, Martin is a regular at night school eagerly learning all he can about woodwork.

While he credits his teachers for being excellent, one gets the idea by scanning the Marinow household, that perhaps they merely uncovered a natural talent and a great reservoir of ambition. Footstools, kitchen chairs, tables, shelves, an entire recreation room are all products of Martin's hands. When he finishes one project, Lola usually has another suggestion ready for him.

A good example of Martin's work is a magnificent curio that proudly commands one corner of his living room. According to him, it took two months of working week nights and weekends "when the weather was bad" to complete the beautifully finished, ornate piece of furniture. With the curio, as with every piece he fashions, Martin began by selecting his own wood, Canadian Rock Maple, a particularly durable hardwood. Generally he combs area lumber yards to find just the right lengths of material making sure there are no warps, fine cracks, or knots.

Rather than using the wood immediately, Martin insists on seasoning it properly. In the case of the two inch unplaned boards used for the curio, he left them suspended from his basement roof for three years. He reveals that wood dries up at the rate of one quarter of an inch per year.

When it is dried to his satisfaction Martin begins working according to a plan he or his wife has designed. Lola insists that "women have a little better touch in imagination" when it comes to design.

Using his various electric and hand tools and 52 dollars worth of materials, Martin has made a glass

of life"

panelled curio that might sell for six or seven hundred dollars in a furniture store, and that definitely looks like a million.

Any capital outlay Martin has had to make to purchase expensive tools has been mercifully minimized by those special times of the year; Christmas, Father's Day and his birthday. Considering his passion for woodworking, Martin is the easiest person for whom to buy a gift. Wife, children and in-laws can purchase an addition to his array of tools knowing he will appreciate it and use it extensively. As Martin puts it: "I cherish them (his tools). You can ask me for my car and I'd lend it to you, but if you ask for my tools, no way!"

Lola was launched into her pastime much the same way as Martin. Probably more directly affected by the departure of the kids, she decided that she had to find something to do other than housework. Again a return to school provided a means of escape. She enrolled in a course for fine arts at Cambrian College. Eventually she majored in ceramics and now Lola is rapidly evolving into a potter extrodinaire.

Just as Martin's furniture sits throughout the house, so does Lola's pottery. Everywhere there are pots, cups, vases and other creations of every hue and size. This year one of Lola's pieces was selected as the best of 2,000 pots. It was presented to former Olympian Abbie Hoffman at the Cambrian College convocation this year where Abbie was guest speaker. Though usually very critical of her own work, Lola admits that she too liked that particular pot.

Down in the basement, adjacent to Martin's work shop is Lola's own nook. The shelves team with all sorts of ceramics. Against one wall is a drawing of a mule, something that Lola says is symbolic of the persistence she applies to her art. Willingly and in great detail, she



Lola Marinow and her award winning pottery.

explains the wheresoever and the why's of pottery . . . the different kinds of clays used, the glazes available to achieve a veritable rainbow of colors and the firing techniques used to bake the pots into a finished state. Lola has also devised a method of coloring pottery a pretty pink color - something rare and much sought after in the world of pottery. That, she explains, is a secret with which she will never part.

Lola would like to see opportunities expand for potters like herself to make their works available to the public. Last summer, (as she will this one) Lola exhibited her wares at the Northern Lights Festival. Surrounded by craftsmen and musicians, passing three days on the shores of Ramsay is something ideal for Lola.

There is little doubt that both Lola's and Martin's products could fetch a good dollar from interested buyers but they refuse to embark on a second career of merchandising. Time and again, when talking about their respective hobbies, the couple use the words "rest and relaxation" as the reasons why they pursue

them. Profit never enters into the discussion nor probably ever will.

Indulging in this sort of activity, Martin says, is a great way of forgetting pressures and tensions. Lola adds that, though they are growing older, they don't notice the physical limitations brought on by advancing age simply because they are too busy.

They even go as far as to suggest that the hobbies are a benefit to the marriage. Being occupied with creating something out of wood or clay does not permit them time to become a nuisance to each other.

Martin, a 29 year veteran with the company, does not know yet exactly when he will retire but when he does he will have nothing to worry about. "I'll be booked for a long time after I retire," he laughs, referring to the projects he will have lined up. He would like to see more men take advantage of what their tax dollars provide for them. In preparation for retirement or as a means of developing another talent, he strongly recommends them to get involved in some of these night school courses.

Family Album

A senior process assistant in the environmental control department at the Port Colborne nickel refinery, Paul Lymburner has been with Inco for 21 years. His pastimes include carpentry, home repairs, boating, water skiing and swimming. Wife Aileen is a nurse receptionist in a medical clinic. Her hobbies are sewing and knitting and also swimming in their backyard swimming pool when the weather is warm enough. Brian, 15, is a grade 10 student at Port Colborne High School. He enjoys roller skating, water skiing and downhill skiing. Heather, 13, is a grade seven student at McKay Senior Public School. She, like her brother, enjoys roller skating and water skiing.



Bill Stevens, a senior cost analyst in Copper Cliff, and his family are actively involved in sports. When they aren't swimming in the pool in their backyard in the summer, they are heading for the ski slopes in the winter. Sons Billy, 20, top right, and 16 year old twins Sandy, top left, and Randy, bottom right, are football and hockey enthusiasts. Daughter Tammy, 19, draws and paints in her spare time. Bill and his wife Sharron enjoy their many travels abroad. They've been to Europe, Mexico and Hawaii, and are planning to visit Florida this winter, after they've tried the ski hills of Vermont with the rest of their family.



Ray Menard, a driller at Stobie Mine, spends a great deal of his spare time in the summer months fishing and hunting. In the winter Ray goes ice fishing while his children Chantal, 7, left, Sophie, 6, and Roch, 9, put on their blades and take to other ice to do some skating. At present, Ray is building a garage next to his home in Hanmer. When not working or looking after the household, Ray's wife Madelaine grows vegetables which she also preserves. Chantal, Sophie and Roch enjoy hiking and bicycling during the spring and summer, as well as camping and boating with mom and dad on lakes in the Verner area.



Happy 50th birthday Copper Cliff smelter

The Copper Cliff smelter marked its 50th anniversary June 7 with an open house for its employees and their families. Approximately 3,000 people toured the smelter, according to Wayne Smith, administrative assistant at the smelter. "We were very pleased with the number of people that attended," Wayne said.

Along with tours to the smelter, there were activities to enjoy during the day. Visitors were entertained with music in Copper Cliff's Nickel Park. At the McCollard Community Centre, where the bus tours to the smelter began and ended, visitors partook of the buffet meal, while others viewed the Inco tour displays as well as the historical displays of the smelter.

Even though the present day smelter was established in 1930, its history dates back to the 1880's when copper-bearing ores were discovered near the village of Sudbury. The discovery led to the establishment of the Canadian Copper Company in 1888. In the same year, mining operations and the construction of a smelter began, with the first furnace starting up in 1888. Prior to the establishment of the first smelter, the ore was originally shipped to the Orford Copper Company's refinery in New Jersey.

In 1900, the Mond Nickel Company, whose activities would eventually be linked with the Canadian Copper Company and the Orford Copper Company, was founded with mining and smelting facilities in Canada and a refinery in Wales. In 1902 the International Nickel Company was formed through a merger of the Canadian Copper Company, the Orford Copper Company and others. The Mond Nickel Company's activities were integrated with those of International Nickel in 1929, merging Canadian and U.S. mining operations under one management.

A new era in smelting began in 1930 with the establishment of the Copper Cliff smelter for the purpose of treating copper-nickel concentrates. At that time the practice of open yard roasting ended with the operation of 30 newly installed multihearth roasters. Five reverberatory furnaces and eight converters also began operation the same year.

Since 1930, the smelter has undergone significant changes. In 1934, four additional converters were installed. Smelter expansion took place in 1936 to accommodate two more reverberatory furnaces and seven more converters. Three years

later, dust-collecting equipment and an additional reverberatory furnace were installed.

The separation of copper sulphide, nickel sulphide and metallics was successfully achieved in 1948 through the matte separation process, a product of Inco research. The new process, involving bessemer matte casting, and controlled cooling, was implemented, and remains an essential part of the smelter's present day operations. In 1952 a fuel-efficient oxygen flash furnace, capable of producing a high strength sulphur dioxide by-product gas, came into operation. Fixation of this sulphur dioxide gas to a marketable liquid SO₂ product then followed.

Methods of production continued to be improved over the years. In 1965, an Inco-designed fluid bed roaster was installed to replace several of the original multihearth roasters. The same year witnessed the introduction of oxygen enrichment of air to the smelting and converting processes improving efficiency of both the converters and furnaces.

The Copper Cliff smelter has seen 50 years of significant growth characterized by technological innovation, a concern for the environment and energy conservation. Happy anniversary!

for photo coverage
please turn page



Dave Hall, a plant engineer at the smelter, and his wife Shirley look over the smelter brochure before going on tour. Children are, from left, Shawn, Dwayne and Laura.

Smelter employee



John Trokulevich, a craneman in the converter aisle, explains a flow chart of smelter operations to his children, from left, Sandra, Brenda and Darren.



Guided tours of the smelter complex were a popular attraction for young and old. Here visitors observe the converter aisle.

es celebrate 50th anniversary with open house



1. Two unidentified youngsters are a study in concentration as they load hot dogs with the works.

2. The operation of a reverberatory furnace is explained by one of the many smelter tour guides.

3. Howard Pardy, from the flash furnace department, gives son Kevin an explanation of how a converter operates. Howard is using a scale model of a real converter that was on display at the McClelland Arena.



Rolly Portelance was the only solo in the Sudbury 24 hour relay.

When Hannibal's "Rainbow Army" stopped over on its way to wreak destruction upon the Romans, the scene could not have been much different than the one which greeted spectators eyes at this year's Sudbury 24 Hour Relay.

Tents of every colour and shape imaginable were spread across and around Laurentian University's stadium. A distinct festive air permeated the encampment as stereos thumped out various kinds of music and people tossed frisbees back and forth.

The reason for the formation of this minuscule Woodstock could be found in the bodies jogging around the track each armed with a baton which they would eventually pass on to a teammate. The squad which, at the end of twenty four hours, ran most miles-kilometres would be declared the champion.

Onlookers would occasionally catch a glimpse of a bearded chap loping along without a baton and hour after hour without any substitution. It was Levack mine stopper leader Rolly

Portelance running solo and hoping to set an endurance record in the process. Last year Rolly jogged for 21 hours and set a course record of 100 miles in the process. This year he set his sights on the Canadian record of 117 miles and the 200 kilometre plateau.

Rolly first began this athletic pastime a few years ago and has since refined it to a scientific and physical "T". In an interview before the 1980 Sudbury 24 Hour Relay, Rolly revealed that he had been running 21 miles a day to train for this big race against the clock and the limits of human endurance. "I should be in pretty good shape," commented Rolly, somewhat understating the point. "I figure I can go more this year. I'm equipped to go all the way."

Preparing for such a grind is a very personal thing he says. In the weeks preceding the relay, Rolly even altered his diet to conform to the toll such a long grind would exact from his body. "I'm going more with carbohydrates, like macaroni, bread

Rolly Portelance —



The going was hot at the beginning but it didn't stay that way for long.

Rolly takes a water-soaked dehydration.

and whole grain cereals" he explained. "You've got to stay off salts, you've got to stay away from sugars. I stay away from meat because it has a funny reaction. It dehydrates you and it's not what you need for running."

Setting a pre-race strategy is an important part of such a competition. Rolly planned to start out at a very slow pace, "not over six and one quarter miles in an hour" and slow down gradually as he went along to preserve as much energy as possible.

Together with brother and coach Marcel (of the Copper Cliff Mill) Rolly devised not one but three detailed programs. One was designed for reaching 200 kilometres. Failing that he had one ready for hitting 117 miles. The third program would see him match the record pace he set in 1979.

Survival in this gruelling event dictates preparing the mind as well as the body for the inevitable agony. After the '79 race Rolly knows from experience the pain of running

extremely long distances. Weakness, dizziness and general soreness of the body was what 100 miles inflicted on him. He was even bruised under the arms from 21 hours of practically non-stop pumping.

The question as to why a man would push himself so far remains. "Why? I don't really know," says Rolly. "At first it's for fun . . . then you look for bigger things to tackle. It's the training of getting your body to do something you want it to. It's healthy. I'm 37 years old now and my body feels better now than when I was 18. It's to see how far one can make himself go."

When the 1980 Relay started, ideal running weather greeted the athletes. The overcast skies blocked out the strength-sapping heat of the sun, and a pleasantly cool breeze fanned muscles and skin warmed by constant work. Rolly was, according to coach Marcel, running well during the first couple of hours, though his pace was a trifle too fast.

In and around the Portelance motor home parked near the Laurentian

University track sat Rolly's "pit crew". Son Jacques stationed himself near a bucket of water and every few laps offered his father a spongeful of the coolant or a cupful of liquid to drink and prevent dehydration. Also along to lend support were daughter Francine, nephew Guy, wife Pauline, cousin Claire and friend Bellarmine Jutras.

Early that evening dark clouds and moisture laden winds fulfilled the promise which most people hoped they weren't offering. The skies opened and everyone was drenched with a bone-chilling rain that did not relent for hours. Once the rain did stop, a frigid northerly wind buffeted people making things almost unbearable for competitors and officials alike. The wintry conditions forced many teams to drop out. Other dogged sorts just donned toques, wind-breakers and sweat outfits and continued. Some even ran with their sleeping bags wrapped tightly around their bodies leaving only a little gap with which to see ahead of them.

Around midnight Rolly suffered a big disappointment. He began to hurt. The pain mounted and rather than suffering some greater damage, Rolly chose to retire from the race. Early next morning he went out to jog a couple of laps and just keep going. In the end though, Rolly had not broken the Canadian record, but he did establish himself once again as the top solo performer in the relay.

In spite of his prolonged break from the field, Rolly still managed to pile up an incredible 73 miles. For his effort Rolly was presented with a handsome medal and a large size pizza!

Though proud of his accomplishment, Rolly was unhappy about not reaching a goal, after having spent so much time training for the event. It has not discouraged him from running and he intends to continue with a pursuit he feels is extremely rewarding. He thinks, though, his days as a solo competitor in the annual 24 hours classic are over. Next year Rolly will be there once again, only this time with a team of runners.

pushing it to the limit!



sponge from son Jacques to stave off



At the end Rolly still managed to pile up an incredible 73 miles despite a six-hour forced retirement.

PEOPLE



Maintenance foreman **Jack Genereux**'s crew at Levack mine have gone 11 months without a medical aid injury. Crew members are, back, from left, **Robert Coupal**, **Emile Tranchmontagne**, **Rolly Aumont**, **Steve Lacelle**, **Stan Stead**, and **Ronald Vincent**; front, from left, are, **Jack Genereux**, **Ambrose Desbarbieux**, **Ray Roy**, and **Alex Brosseau**.



Hold on to your hats! Students of the junior grades at Copper Cliff Public School got a close look of the superstack at the Copper Cliff smelter during a recent tour conducted by **Carol Walton**, left, a tour guide at Inco's tour centre. At right is teacher **Isabelle Patchett**.



The transportation and traffic department held its first annual dinner dance recently. The dance was a great success, with over 275 people in attendance. During the evening, the dinner dance committee honoured the department's recently retired employees present at the dance. They were **Paul Bidal**, **Norm Barazzual**, **Aurelio Biscaro**, **George Riopel**, **Valdemars "John" Sommers** and **Will Voutier** of the rail section. Also honoured were **Carlo Scopozzi**, **Victor Sauve** and **Claude Durocher** of the track and services section. In top photo: **Morris Bertrand**, right, supervisor of rail of the transportation and traffic department, presented pensioner **Norm Barazzual**, centre, with a slice of polished ore with a rail section mounted on it. From left, are: **Ray Sasseville**, audio visual co-ordinator of the transportation and traffic department and co-chairman of the department's fund raising committee, **Anita Barazzual**, husband **Norm**, and **Marilyn Sasseville**, who presented Anita with a bouquet of flowers. In bottom photo: **Gisele** and **Guy Doiron**, left, and **Frank** and **Linda Thompson** enjoy the evening dinner. Both Guy and Frank are trackmen in the transportation and traffic department. Photos were taken by Dieter Rothensee.

PEOPLE



Two blood donor clinics were held recently at Creighton nine shaft. A total of 158 employees gave the gift of life. **Wayne Prowse**, left, a cost analyst, has his blood pressure checked by **Sue Bazinet**, a clinical assistant at the Sudbury branch of the Canadian Red Cross.



J. H. Parliament, president of Newmont Mines of British Columbia was awarded the Inco Medal of the Canadian Institute of Mining and Metallurgy for his outstanding contributions to the Canadian mineral industry. The platinum medal has been awarded annually by the CIM since 1933 as a mark of distinction and recognition to the person who has made a meritorious and practical contribution of outstanding importance to the mining and metallurgical industry of Canada. **Charles F. Baird**, left, chairman and chief executive officer of Inco Limited, presented the medal to Mr. Parliament at the annual dinner of the CIM.



The Inco team in the Port Colborne Industrial Curling League had the highest points total in the 16-team league. They won the Simmons Auto Body trophy for their efforts. In photo are, from left, **Len Guglielmen**, superintendent of the process research stations, **Don Buchanan**, **Bill Kantymir**, superintendent of operations at the Port Colborne nickel refinery, **Jed Simmons** and **Tom Christoff**, general foreman in the electrical department.



George Jenkins, captain of the Copper Cliff south mine first-aid team, winner of the R. D. Parker Shield first-aid competition in March, was recently awarded the **T. S. Jones Challenge Trophy** as the best individual of all the teams entered in the St. John Ambulance Provincial Open first-aid competitions held in Toronto. It's the fourth year for the individual competition, and it's the first year Inco Metals has captured the title. Congratulations George!

Copper Cliff Highland Cadets

The Copper Cliff Highlander Cadet Corps gathered May 28 in Copper Cliff for its 63rd annual inspection by one of its former members and commanding officers. Major John C. Wilson, base construction engineering officer at Canadian Forces Base Calgary, reviewed the

cadets at Nickel Park.

A native of Sudbury, Major Wilson joined the Highlanders in 1954 and retired as cadet commanding officer in 1960. He attended Royal Roads Military College in Kingston from 1963 to 1965. Since his graduation, Maj. Wilson has served the Canadian

Forces land element in a variety of posts.

The program included the general salute, inspection and corps march past, the pipes and drums of the Copper Cliff Highland Band and the presentation of awards.



Reviewing Officer Cadet Captain Alasdair Gray (right, centre) and Guard Commander Sergeant Scott Ward (left, centre) inspect the quartermaster.



Honorary Lt. Col. R.G. Dow presents the most improved cadet award to cadet Robert Rogers. At centre is Lt. P. "Tex" Davis, Copper Cliff Highlander supply officer.



Major John Wilson inspects the corps, accompanied by Cadet Sergeant Steve Pepper, left.



The cadet corps prepares for the feu de joie during the quartermaster presentation.

Inspection

Royal Canadian Air Cadets

The Royal Canadian Air Cadets, 200 Squadron in Sudbury, held their 38th annual inspection at the Sudbury Armoury recently. The inspection marked the end of the squadron's activities until September.

Throughout the school year

approximately 100 cadets under the direction of Captain and Commanding Officer Hank Derks meet once a week. Hank is the chief first-aid coordinator of the Ontario division of Inco Metals Company.

"The cadets specialize in the air

elements, such as air frames, engines, and navigation," said Hank. "Their training program also consists of learning about the government defence set-up, and learning the qualities of good citizenship and leadership."



Captain Hank Derks salutes Master Warrant Officer Mike Jackman after presenting him with the Commanding Officer's Award.



Colonel and Mrs. Howe examine a .38 calibre Cake-Davis custom combat special handgun held by cadet Terry Vaillancourt. Captain Hank Derks is on the right.



Major Bruce Boggiss, left, Commanding Officer of Canadian Forces Station Falconbridge, presents the female leadership award to Flight Sergeant Elaine Johnston. In centre is Sergeant Marc Servant, Guard Commander.



Colonel Peter Howe, centre, Commanding Officer of Canadian Forces Base North Bay, acted as reviewing officer for inspection. Here he chats with Corporal Joanne Paquette. Master Warrant Officer Louise Bourdau, left and Commanding Officer Hank Derks assist.



Dan Boucher

A study in determination

Northern Ontario

Between May 23 and May 25 over 100 athletes from throughout Northern Ontario converged on Laurentian University to participate in the first Northern Ontario Regional Games for the Physically Disabled ever held in Sudbury.

Four disability groups were represented: wheel chair, blind, amputee and cerebral palsy. The games were more than an opportunity to win gold medals and advance to the provincial playdowns, they gave individuals a chance to prove something to themselves and to able bodied people.

A fine, sunny, warm weekend greeted competitors as they launched themselves into a myriad of events ranging from track and field to swimming to basketball to weightlifting to archery. One of Sudbury's athletes at the Games was 21 year old Danny Boucher, son of Claude Boucher who works in the Copper Cliff plate shop. Attending his third Games, Boucher has grown very proficient in his events, shotput, javelin, discus, weightlifting and basketball.

When he talks about athletics the effervescent Boucher glows like the warm, spring day shining down on all the competitors. Sitting in his wheelchair he admits things weren't always so bright. Four years ago spinal injuries suffered in a car accident robbed him of the use of his legs. Recalls Boucher: "The first thing I figured was that 'this is it', my life is over. Nothing good is ever going to happen to me."

Good things started happening for him while undergoing rehabilitation in a Toronto hospital. There, other wheelchair patients convinced him to try basketball. Eventually Boucher played with the Toronto Spitfires, a crew of wheelchair basketball aces that won a provincial and a national crown. Since then he has started a local basketball team known as the Sudbury Four Wheelers and he has

Regional Games for the physically disabled

branched out into track and field.

Boucher is unstinting in his praise of the Games for the Disabled. "It's the best thing that has come along for the disabled," he declares. "It gives them something else to think about besides their problems and hang-ups." Boucher adds that the annual event has a social element where old friends meet again and where new friends are made. More than that he feels the Games give people a chance to prove something to themselves and to others. Says Boucher: "It gives us a chance to prove to the able bodied, that we're human too, that we can do just about anything you can do."

Competition is the basis of the Games. Like Boucher, all the other athletes would like to win a gold medal in their classification and make the grade for the provincial games to be held in Sault Ste. Marie later this summer. Should they be good enough there is a national competition and, for a select few, the world games for the disabled.

There are serious athletes who train, in some cases, throughout the year to prepare for the Northern Ontario Games. They even have their own disabled heroes. Every disabled swimmer wants to emulate the feats of blind swimmer Peter Quaiattini and every disabled skier would like to ski in Jim Cullen's tracks. Boucher is bound and determined to catch up to champion wheelchair weightlifter Brian Holiday. He is well on his way, for his personal best in the bench press has been 412 pounds!

At the end of the special weekend Sudbury's athletes had made nothing short of a brilliant showing. Boucher had collected gold medals by the bushel in his class III category. Five first place medals hung around his neck and a trip to the provincial contest was in his pocket. Others included Norm Martel, son of Andre Martel of Levack Mine, who as a class IV athlete took home a gold in



A wheelchair athlete in the shot put event.

the javelin, a gold in wheelchair basketball and a silver in weightlifting. Another wheelchair whiz, Rick Prudhomme, son of Albert Prudhomme who works at the Iron Ore Recovery Plant, also had an impressive outing. He came third in class II weightlifting but captured gold metals in the shotput and the javelin.

Without question these were the best Disabled Games ever held in the North Country. The success can be attributed to the hard work of the many people who volunteered their services. Several Inco pensioners performed a crucial task as they ferried athletes from the airport. Marilyn Whitman, wife of Copper Cliff mill section foreman George Whitman, held the official title of Technical Adviser to the Management Committee. Which meant she did just about everything that had to be done during the Games.

Two years ago Marilyn attended her first Disabled Games where she

says she got "hooked". With her heavy involvement in Sudbury's effort to host the event she felt it was a good idea to get husband George involved. The organizing committee needed a chairman and George filled the role admirably. Now that this edition of the Games has been carried off without a hitch George is already talking about getting Sudbury selected to host first the provincial games and somewhere down the road perhaps even the national event.

At a competition such as this one, there are no losers, just a whole lot of winners. Every participant is a champion for overcoming adversity and demonstrating that disability only slightly impedes and does not make things impossible. Every volunteer is a champion for providing such a well-organized, efficient and educational competition. Every spectator is a champion for opening his mind to the fortitude, physical, mental and intestinal, of the athletes.

McCreedy West mine officially dedicated



At the dedication site are, from left, Ila McCreedy, Kristi Arnold, John Arnold, Bonnie Arnold, and Ron Arnold.

Charles F. Baird, chairman and chief executive officer of Inco Limited, officially dedicated Inco's McCraedy West mine. The mine, formerly known as Levack West mine was renamed in honor of the late John McCraedy, former vice-chairman of Inco Limited. The decision to rename the mine was announced by former chairman and chief executive officer of Inco Limited, J. Edwin Carter in February of this year.

In a formal ceremony at the McCraedy West mine site, Mr. Baird and Mr. McCraedy's wife, Ila, unveiled a permanent plaque dedicated to the memory of John McCraedy. The plaque said in part — "John McCraedy was a miner. And he loved mining people. His contributions to Sudbury, Inco and Canada were many, and he will be long remembered."

In a brief statement Mr. Baird paid tribute to John McCraedy. "Anyone who knew John McCraedy had to be impressed with his drive, his hard work on behalf of this company and on behalf of his industry. No one could have been a better example of the kind of spirit that has helped this community to achieve the strength it enjoys today and the spirit it will need in the future," stated Mr. Baird.

Mr. McCraedy started his Inco career as an efficiency engineer at Frood mine in 1949. He was also a safety engineer, divisional foreman and general foreman at Levack mine, and as Mr. Baird stated, "this dedication is, in a sense, a homecoming for John McCraedy."

John McCraedy 1917-1979



Charles F. Baird, chairman and chief executive officer of Inco Limited, officially dedicated McCraedy West mine on Wednesday, May 21, 1980. At the dedication ceremony are, from left, Wint Newman, president of the Ontario division of Inco Metals Company, Ila McCraedy, (John McCraedy's wife), Bonnie Arnold (John McCraedy's daughter), Ron Arnold, John Arnold, Kristi Arnold, Wendy Phillips, Don Phillips, president of Inco Limited and Charles F. Baird.



John Arnold, Ila McCraedy and Charles Baird unveil permanent marker and plaque at entrance to McCraedy West mine.

Don't miss an



Tour guides Carol Walton, left, and Debbie McLaughlin, both of the Copper Cliff smelter, polish hard hats before visitors arrive.



Tour guides Gerard Benedetti of the smelter, left, and Fred Desloges of the transportation and traffic department, escort young visitors to the tour bus at the McClelland Community Centre in Copper Cliff.



After welcoming visitors at the tour centre's main desk, receptionist Brian Smith of Levack mine, explains the refining processes pictured on the display board.

A smile and a "hello" greet you. After signing the register you receive a hard hat and safety glasses. The smile continues. "You are welcome to view our displays before our tour begins."

That's the friendly greeting you and an estimated 10,000 other visitors will receive this summer at Inco Metals' tour centre located at the McClelland Community Centre in Copper Cliff. Along with the welcome comes an informative bus tour which begins at McClelland Community Centre and takes you to the smelter, the copper refinery and Clarabelle mill.

Unlike most other companies that hire students for their tour program, Inco Metals takes a different approach to tour guides. Inco's tours are hosted by nine trained tour guides who are all hourly rated people who have transferred for special duty during the tour season. They have acquired a first-hand knowledge of

enjoyable learning experience



Vic Henderson of the transportation and traffic department, does an equipment check on the tour bus before the day's tours begin.

company operations by direct work experience.

"The tour guides have a good understanding of operations because they have worked at this company in various capacities," says Al Cecchetto, Inco's tour co-ordinator. "And their understanding of operations becomes greater as the tour season progresses. When the tour season is finished, we have them available at other times of the year when the need arises, which isn't possible with summer students."

The success of Inco's summer tour program rests almost entirely in the hands of these nine capable company representatives.

Inco tours are conducted from 9:00 to 11:30 a.m. and 12:30 to 2:30 p.m. from Monday to Saturday. The Inco summer tour program concludes September 1.

Don't miss out on an enjoyable learning experience.



After a day of tours, safety glasses are cleaned for the next day's visitors. Al Jeff, Al Cecchetto, Inco's tour co-ordinator, discusses the day's activities with tour guides Ron Beaulieu of the copper refinery, centre, and Zeno Bazylykut of the smelter.

Tour Schedule
Monday to Saturday
9:00 - 11:30 a.m.
12:30 - 2:30 p.m.



Tour guide Mike Hurley from matte processing, welcomes visitors to the tour centre as they sign the register.

CO 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 and work. Listed here are a few of the many institutions and other establishments who were assisted in numerous ways over the past few months.

La Fete a Baptiste, Azilda Minor Hockey Association, Sudbury Hawks Soccer Club, Niagara South Student Leadership Program, Canadian Cancer Society (Port Colborne), Sudbury Symphony Orchestra, Sudbury and District Association for the Mentally Retarded, Victorian Order of Nurses, Lively YMCA, Rotary Club of Sudbury, Royal Canadian Legion Copper Cliff Highland Band, Sudbury Board of Education, Roman Catholic School Board, Markstay Arena, Salvation Army (Port Colborne), Port Colborne Fire Department, N-Tec School for Mentally Retarded.

Al Cecchetto of public affairs, second from left, presented the "1915 — Mond Historical Film" during a recent meeting of the Sudbury and District Historical Society. Looking over the film with Al are, from left: Bob Boudignon, Inco's accounts payable co-ordinator, Inco pensioner Bill Doherty and Bill Beach, president of the Sudbury and District Historical Society.



On behalf of Inco Metals, chief fire inspector Dick Dopson, left, recently donated a first response vehicle to Baldwin Township. The vehicle, a 1967 Pontiac Bonneville, is used in emergency situations and carries life saving equipment. "It certainly will be a great asset to us," said George Ebel, centre, Baldwin Township's volunteer fire chief. George, a foreman at the Copper Cliff copper refinery, accepted the donation with Grant Moffat, right, a councillor of Baldwin Township.



The chemistry department at Brock University was recently presented with an atomic absorption spectrophotometer by representatives of Inco's process research stations at Port Colborne. The instrument, which was no longer required by Inco, determines the concentration of an element in solution by passing a light of a specific wavelength through an air-acetylene flame onto which the solution is sprayed. Concentration in parts per million can be easily determined from the information given by the instrument. It will make it easier to teach the students as well as familiarizing them with an instrument that is becoming widely accepted in many industries. In photo are from left, Jack Miller, chemistry professor at Brock University, Gordon Lissaman, superintendent of technical services at the Port Colborne research stations, Ian Brindle, a laboratory demonstrator at Brock, and Ettore Lostracco, laboratory supervisor at the research stations.

Jack Steen and Art Lye Jr... Almost 90 years of hoisting experience!

They have almost 90 years of service between them. Inco pensioners Jack Steen and Art Lye Jr. are pros when it comes to hoisting. They've been hoistmen for the better part of their years with Inco Metals.

"I've always worked at Garson mine," said 44-year employee Jack Steen. Jack began at Inco in 1936 in the rockhouse at Garson mine's number one shaft. A few weeks later he went over to the loading area as a helper, loading small ore cars on the trestle leading out of number one shaft head frame. Jack later loaded CNR ore cars under the rockhouse heading for Copper Cliff. "At the time Arvi Koskela was my foreman and J.B. Fyfe was the superintendent," Jack said.

After the closing of number one shaft, Jack went back to loading CNR cars, this time at number two shaft rockhouse. He then worked on the crusher at the mine's 2,000 level for a few years. "Later, I relieved on the hoist. My first job on the hoist was stripping number one shaft of pipes. That job lasted for about a year."

Jack continued as relief on the skip and cage hoist until the new hoist was installed in 1950. "I got on this hoist steady, since older hoistmen like Tom Joyce, Bobby Jack and Arthur Lye Sr. had by then retired." Jack recalls the cage at no. 1 shaft. "The cage held about 8 or 9 men and had a wooden platform for the cage tender to ride on. Surface signals were made by ringing bells," Jack said.

Art Lye Jr. is familiar with the saying "like father like son". His dad, Arthur, served for 35 years as a hoistman at the Mond Nickel Company, then at Inco's Garson Mine until his retirement in 1950. Art Jr. began working for Inco in 1935 and



In the hoistroom at Garson mine, Inco pensioners Art Lye, left, and Jack Steen, talk over old times when they were hoistmen at the mine.

racked up 45 years prior to his last shift. Like Jack Steen, Art started his career as a helper, loading CNR cars with rock to be used as back fill at Frood mine.

"Later that year I fired the boiler on the hoist that was used for loading the rock into the cars," Art said. "The same year I went over to Frood mine, to work in the timber yard for Harry Towns and Jack Thompson. I stayed there until late 1936, when we were sent back to Garson to prepare for the re-opening of number one shaft."

After working on surface and at the sand flux pit for a few years, Art went

into the steel shop as a helper. In 1939, while the company was sinking number two shaft, Art became a steel sharpener. He then worked with the riggers and later in the sand pit where he operated a three-drum slusher hoist.

"An opening came up in the hoist sinking area at 2,000 level, so I took it. At that time the company was sinking the shaft deeper to the 3,200 level," he said.

Later Art worked on surface on swing shift until 1950 when he replaced his father on the cage hoist. "I have had almost 30 years with this one hoist."

WINNERS
OF THIS
MONTH'S

Sugestion Plan Awards



Douglas Breathat
\$800



Albert Totolo
\$535



Frank Hemmer, left, and Murray Hatfield
Shared \$205

\$800	Douglas Breathat	Levack mine	Install a water flushing system to prevent plugged sandplant lines
\$535	Albert Totolo	C.C. smelter	Make Sanyko feeder diaphrags from linatex rubber
\$500	Leonard Matson Tom Hodgins	I.O.R.P.	Install meters for rstr. air weight checks
\$360	Mike Deziel	Levack mine	Replace pipes on fuel trucks with low pressure hose
\$225	Norman Morrow	Frood mine	Purchase screen pushers at less cost than making them
\$205	Frank Hemmer Murray Hatfield	I.O.R.P.	Clean out modulator valves on airslide transfer tank
\$150	Roger Bradley	Levack mine	Install warning lights at no. 1 shaft & no. 2 power raise manways
\$150	Leo Demore Reginald Brisebois	South mine	Modifications to sanders on diesel locos
\$150	Giovanni Nadalin	C.C. smelter	Construct a small s.s. neutralizing tank in pump room
\$150	Sylvio Vachon Al Stewart	Levack mine	Install a vertical angle iron on dump side of tipple car
\$140	Gerald St. Amand	Creighton mine	Revise stope guardrails using pipe instead of chain
\$125	Lauri Kari	Creighton mine	Install square D switch at mixing tanks in sandplants
\$125	Patrick Trahan	Levack mine	Install screen in alluvial sandplant no. 1 sump
\$120	Amedee Pilotte	Nickel refinery	Fabricate heat shield for changing converter rollers
\$110	Michael Miljous Nashaat Taha	South mine	Wiring alterations on scooptrams
\$100	Enrico Carbone Henry Grimard	I.O.R.P.	Modify cottrell rapper bases
\$108	Saverio Guido	I.O.R.P.	Revise clean-out on 8' cyclones

\$90 awards were presented to: Clifford Cardinal I O R P	Ben Proulx Ron Ray	Levack West mine Copper refinery	Roger Landry Gerry McTaggart Frederick Moxam Randy Raylor Heinz Rummel Kerry Size	Nickel refinery Creighton mine I O R P Transportation Copper refinery Nickel refinery
\$85 awards were presented to: Ivan Lew Stobie mine				
\$80 awards were presented to: Aldo Coppo Nickel refinery Stan Jones I O R P. Stan Savarie I O R P. Wolfram Schiebold Matte Proc. Geo Sutton Creighton mine	Dave Baker Leonard McGuire Mike D'Agostino Dave Frost Denis Dion Roger Gagnon Robert Desjardins Norbert Lecuyer Donald Seguin Jesse McTaggart	Copper refinery Copper refinery		
\$75 awards were presented to: John Hogan I O.R.P. Gord Davidson Raymond Rammul Creighton mine Nicola Rocca Copper refinery	Garos Perreault Robert Turner Ernest Schrader Michael Lewis Ivan Sutcliffe Michael Tann	Levack West mine I.O.R.P.		
\$70 awards were presented to: Harold Kiely Stobie mine Maurice Lajeunesse I O.R.P. Pat Sevigny I.O.R.P.				
\$65 awards were presented to: Austin Burns Copper refinery Miroslaw Churan Stobie mine Denis Morin I.O.R.P. Paul Rybiak William Smith Frood mine Ivan Sutcliffe Copper refinery	Douglas Breault Denis Clement Thomas Eastwood Rick Gagnon Hector Savage Lee Piché Bruno Renzella Heinz Rummel George Sabal Ivan Sutcliffe Michael Terry	Copper refinery Copper refinery		
\$60 awards were presented to: Frank Armiento Copper refinery Raphael Busschaert Reginald Park I.O.R.P. John Colie Shebandowan mine Copper refinery				
\$50 awards were presented to: Michael D'Agostino Erik Lovin John Goedhard Raymond Guerin Paul Gushue Jim Kmit Ron Hill Martin Rupnik Francesco Vettoretti Denis Dion	Roger Bridgeau Gerry Charbonneau Lionel Chemier Donald Morrison Ray Lalonde Dennis Pidgen Dennis Lamoureux George Quocke Heinz Rummel Nashar Taha	Levack mine South mine Mine field force Copper refinery Copper refinery C.C. smelter Levack mine Copper refinery Creighton mine		
\$45 awards were presented to: Bob Depochoier I O.R.P. James Dunn Frood mine Guy Lamarche Copper refinery Lawrence Lazowik Copper refinery Neil MacNeil Copper refinery Don Nepssy Copper refinery Angelo Pierobon I O R P				
\$35 awards were presented to: Greg Allen Wayne Allen Casoy James Dowdall Hector Gervais Andre Groulx William Ingram	Nickel refinery Frood mine I O.R.P. Nickel refinery Shebandowan mine Copper refinery			
\$25 awards were presented to: Robert Recallet John Sinclair James Stinson Vernon Whiting Vernon Whiting Vernon Whiting Vernon Whiting Ludwig Zibauer	Frood mine Creighton mine I O R P. Copper refinery Copper refinery Copper refinery Copper refinery			

You'd think this recreational vehicle had just rolled off the assembly line of a major motor company, ready to be put on display in a showroom. In actuality, it didn't come off an assembly line. It recently rolled out the garage of Percy Sabourin, a security guard at Clarabelle mill. Percy built it himself. He also does his own maintenance work on it.

It took Percy three winters to build his customized 'Percival' (as he termed it) recreational vehicle. "I worked on it in my spare time as a hobby," Percy explains. "I put some 600 hours into the design and construction of the vehicle, and I enjoyed every minute of it."

After purchasing a used one-ton truck, Percy installed a new engine and designed a new steering system for the unit. He built the trailer on to the original wagon frame without the guidance of an official blueprint. "I try to visualize what I want in the vehicle, then I build it," he says. "I take my time because the work has to be done the way I want it."

The customized vehicle is carpeted throughout. The front end is the livingroom, with a built-in TV cabinet, built-in gun cabinet and built-in radio cabinet. The kitchen is equipped with sink, stove and overhead exhaust fan. The dining area can easily be converted into sleeping quarters. The bathroom includes a sink, toilet and shower. "Everything in the vehicle was made the way I wanted it," Percy adds.

The vehicle relies on a three-power source system - battery, propane and electricity - which can be interchanged by a switch when required. The unit's fuel tank holds 45 gallons of gas while its water supply comes from a 35 gallon holding tank. "You wouldn't have to leave the unit for days with all the facilities available," Percy says. "And yet it's lightweight, it only weights some 10,000 pounds."

Percy shopped all over the province to get the specific materials he wanted for the vehicle. "I bought about \$15,000 worth of parts for it, and I've been told the unit could sell

"PERCIVAL" . . . It's One of a Kind!



This 'Percival' recreational vehicle looks like it just came off the assembly line. In reality, it was built by Percy Sabourin, a security guard at Clarabelle mill.

for much more than what I paid to make it."

Percy and his wife and daughter enjoy all the comforts of home in their Percival when they visit parks on their holidays. "I'm saving the longer trips throughout Canada and the U.S. until my retirement," Percy says.

"We may spend our winters in the U.S. in our Percival."

Now Percy is thinking of building another recreational vehicle. "I'm always looking for improvements. It will be a challenge to see how modern I'll make the vehicle, and I'm really looking forward to it."



Daughter Suzanne tidies up in the kitchen of the 'Percival' after dinner with mom and dad.