



The Triangle

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ON THE COVER . . .

A youngster's delight on a hot summer night: watermelons, watermelons, and more watermelons! That's Christine Massimiliano, 6, on the front cover, and Jennifer Nicholson, 5, on the back cover of this month's Triangle. The charming youngsters were photographed at a recent "Music in the Park" session, sponsored by Inco Metals Company, and attended by over 8,000 Incolites and their families. Christine is the daughter of Enzo Massimiliano, a planner at Froid mine. Jennifer is the daughter of Ted Nicholson, a buyer with the Copper Cliff purchasing department.

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Canada Day celebrations across the country kept Canadians celebrating from coast to coast. The Sudbury area was no exception, and even though foul weather delayed the planned display for a couple of days, hundreds of Sudburians gathered in Copper Cliff's Nickel Park to view a massive fireworks display, sponsored by Inco Metals Company and CKNC Television.

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From the Port Colborne nickel refinery — the Joe Champis family — Joe works in the anode department. That's his wife, Kathy, with children, Michael, 2, and Diane, 8. Joe enjoys fishing, hunting and photography in his spare time.



This is the Gary Crepeau family. Gary is a litter general at Little Stobie mine. He and his wife, Denise, are raising two fine children, Serge, 1, and Natalie, 3. Along with woodworking, Gary enjoys fishing and camping trips in the summer.

Family Album

An adventuresome spirit prevails with the Chuck Greenough family. Chuck is chief security co-ordinator with plant protection, and his family loves to accompany him on camping and cross-country skiing expeditions. He and his wife, Betty, have three children, Scott, 12, Donald, 13, and Donna, 14.



Tough Competition Has Brought About New Marketing Challenges For Inco Metals

The formation of Inco Metals Company earlier this year has brought together special talents and skills from throughout the Inco organization. Headquartered in Toronto, Inco Metals is responsible for the production and marketing of primary metals products on a world-wide basis, and for related technical and administrative functions.

What are the challenges facing the marketing arm of Inco Metals Company, and what are its priorities? The Triangle recently interviewed Johannes P. Schade, Senior Vice-President, to find answers to these and other questions.

Triangle:

Mr. Schade, I understand that you majored in thermodynamics and iron and steel technology at Clausthal University. Is advanced technological training virtually a "must" for the successful metals marketer today?

Schade:

I think it is. I believe that education and training, in the appropriate disciplines, is an absolute necessity.

Triangle:

What other special qualities do you look for in a metals marketer?

Schade:

It's true that a technological background is not all that is needed. Our marketing people must gain commercial

experience and insight through exposure to selling our products. This means, among other things, understanding the markets where our products are used, as well as being able to judge where future developments will occur — where the products we produce today will be utilized in five, ten or even 20 years from now. On the personal side, anyone involved in marketing should like to travel and to meet people. Good health and the desire to stay healthy are also very important. In fact, an iron stomach is very helpful, because one has a lot of social obligations.

Triangle:

While I realize that you are responsible for the sales of all Inco's primary metals output, including copper, silver, gold and platinum-group metals, I would like to deal mainly with the Company's principal product — nickel. Where is Inco nickel sold?

Schade:

Inco nickel is sold in the major industrial areas of the world, in particular the U.S., Western Europe and Japan. In fact, some 93 per cent of the free world's nickel production is consumed in these three areas. Europe is the biggest market today, with about 40 per cent of the total nickel consumption. The U.S. takes about 30 per cent, and Japan some 23 per cent. Inco Metals is strongly represented in all these markets. At the same time, we are not neglecting the developing markets, such as South America and the emerging industrial states of the Far East, notably Taiwan and Korea.

Triangle:

How much nickel is consumed in Canada?

Schade:

Slightly more than five per cent of all Inco primary nickel products are sold in the Canadian market. Yet, Canada is far

and away the biggest nickel producer in the non-communist world. About 43 per cent of the total produced is mined and refined in Canada, and the bulk of this production comes from Inco Metals. I should point out, however, that about half of Inco's copper production is sold in Canada.

Triangle:

As far as Canada is concerned, then, only two to three weeks of output, at Inco's current production rate, would satisfy the Canadian nickel market requirements for a full year. It follows, then, that most of Inco's sales force is located in other countries. How widespread is Inco Metals marketing organization and where are the principal offices located?

Schade:

We have major marketing organizations in the business and financial centres of the U.S., Western Europe and Japan, which together, as I mentioned before, consume almost all of the nickel in the non-communist world. Inco Europe Limited is headquartered in London, with offices throughout the industrial countries of continental Europe, such as France, Germany, Benelux, Sweden, Italy, Spain and Austria, which also serves as our contact for the Comecon area. Inco Europe Limited is also responsible for marketing activities in the Middle East, India and Pakistan.

The International Nickel Company, Inc., with headquarters in New York, has offices in the principal industrial areas of the U.S. and also has operations in South America and the developing countries of the Far East as well as Australia. Inco East Asia Limited has headquarters in Tokyo.

Besides selling, we also have quite a number of specialists engaged in what we call commercial development. Their job is to work with customers to develop markets for nickel-containing alloys in new or expanding applications. Furthermore, Inco's metallurgical service activity is quite elaborate and highly regarded by our customers.



One of the key people in Inco Metals Company, a major new unit of Inco, is Johannes P. Schade, who was brought to Toronto from Düsseldorf, West Germany, to take charge of marketing as a senior vice-president.

Mr. Schade brings to his new position knowledge and experience gained in the highly competitive European metal market. For the past year, as regional marketing manager of Inco Europe Limited, he has directed marketing activities in Germany, France, Italy, Switzerland, Austria, Yugoslavia and the Comecon area. He joined Inco in 1971 as managing director of International Nickel, Deutschland, in Düsseldorf. Prior to his association with Inco, Mr. Schade was marketing director for Union Carbide Europe S.A. in Geneva, Switzerland, and before that he was with the Research and Development Centre of Rhein Stahl AG in West Germany.

Triangle:

Which industries are the largest consumers of nickel today?

Schade:

The biggest by far is the stainless steel industry, which consumes almost half of the western world's nickel supply. In 1976, the figure was 45 per cent. Historically, stainless steel has been the largest consumer, and this situation will continue for quite some time. Also in the steel sector, alloy steels in all forms account for another ten per cent of nickel consumption. This includes materials used in the energy field for power generation, coal gasification and the transportation and storage of liquid natural gas, as well as in the chemical and petrochemical sector.



"... we believe we have an edge on the competition ..."

There are a number of other areas which are of particular importance to us. One is the non-ferrous field, which at present accounts for 19 per cent of total consumption. This takes in high-nickel alloys — so-called superalloys for high-technology applications — and cupro-nickel alloys which, among many applications, are used in coinage. The electroplating field consumes about 12 per cent, split about evenly between the automobile and consumer products industries, with some applications in the electronics industry.

All other applications, such as nickel-bearing batteries, catalysts, powder metallurgy and chemicals, account for about six per cent. In my opinion, this is the area which offers the greatest potential growth.

Triangle:

In what other sectors do you see good growth potential?

Schade:

The energy sector, certainly, and I would add advanced nuclear technology

to those areas I mentioned in answer to your previous question. Another important field which is bound to grow is desalination — the transformation of sea water to potable water. Desalination programs are now underway, in particular in the Middle East. Here, the corrosion resistance that nickel alloys provide is tremendously important. Another nickel-consuming area that should experience good growth is the storage and transportation of chemicals. Last, but not least, I should mention pollution control, where nickel-bearing steels and alloys will play an increasingly important role.

Triangle:

A number of new nickel producers have entered the market in recent years. Has this new competition brought about changes in marketing methods?

Schade:

It certainly has. The nickel market today is much more competitive than it used to be. The new producers, quite naturally, tried to gain their share of the market by adopting very aggressive pricing policies. Inevitably, the traditional producers, such as Inco, suffered as a result of undercutting prices. It didn't help matters when, in 1971, consumption in the stainless steel industry declined for the first time in post-war history. It happened again in '74. These reverses resulted in serious declines in overall world nickel consumption. To make matters worse, more producers were vying for shares of a smaller market.

Inco has adapted to the new conditions in the nickel market. We, too, have become highly competitive. In fact, we believe we have an edge on the competition because we have the means and ability to produce all those products which the market demands, assisted by a recognized technical team in marketing. In the years ahead, the market should grow and we anticipate that this will bring about greater stability. But, unfortunately, that is still quite a number of years ahead of us.

Triangle:

Are marketing methods in Europe different from North American ways?

Schade:

Basically, I don't think they are — maybe the European market has been a bit more competitive in the past. But, competitors in the U.S. market have become highly aggressive in recent years. As I mentioned earlier, Europe has the lion's share of the nickel market — about 40 per cent. Thus, a lot of new nickel producers set their sights on the European market, resulting in intensive competition. In short, in previous years

we had to fight a lot harder in Europe to maintain our share of the market. But in the recent past we have seen this same situation developing in North America. Competition is becoming tough all over the world, and our marketing methods have to be adopted accordingly everywhere.

Triangle:

On a personal note, Mr. Schade, how long have you been in Toronto, and have you and your family experienced any problems in adjusting to your new life in Canada?

Schade:

We have had a number of international moves, so we were able to anticipate a number of potential problems we had already experienced in the past. I must say, I have never had such a problem-free move as I had in coming to Toronto. I am happy to say that everybody has been extremely friendly and cooperative. I have wanted to work in Canada for some time because it is such a vast and challenging country. On former visits I found it to be very friendly, as well, and I wanted to come back. Well, here I am, and I am very happy to be living here ... and working in a very challenging position.



"... everybody has been extremely friendly and co-operative."

Triangle:

In a nutshell, what is Inco Metals marketing policy?

Schade:

Essentially, we are committed to developing and producing products that are needed in the steel, non-ferrous, plating and other markets — now and in the future as conditions change. We must gear production in such a way as to permit us to remain competitive in world markets. There are exciting challenges ahead, and we are confident that we have the organization and the personnel to meet them.



Tony Masotti, "Vitto" partner, carefully lifts out strips of pasta which will be used to make lasagna.

From Italy, with Love

(from San Vito
Al Tagliamento,
Udine, Italy —
to Sudbury, Ontario,
Canada)

... new secondary
industry for Sudbury

NOT your average love story, these pages tell of a love for Sudbury, a passion for good food, and a desire for success.

Oftentimes called the "Cortina boys", Tony and Vito Masotti are now the motivating force behind Sudbury's new Coront Foods, the only federally-inspected meat plant in Northern Ontario, providing valuable secondary industry for the area, and producing oven-ready

Italian specialty foods.

The brothers were born in San Vito Al Tagliamento, Udine, Italy. In 1951, Tony arrived in Sudbury to join his uncle Vito, now retired from the Copper Cliff smelter. A week after his arrival, Tony began working at the Copper Cliff copper refinery, where he stayed for 17 years. "I loved it, I had the job I wanted — piecework — in the tankhouse." Brother-in-law, Ron McNair, is superintendent of



Vito Masotti, "Vitto" partner, fills the special blast freezer which freezes foods solid in six to 10 minutes.

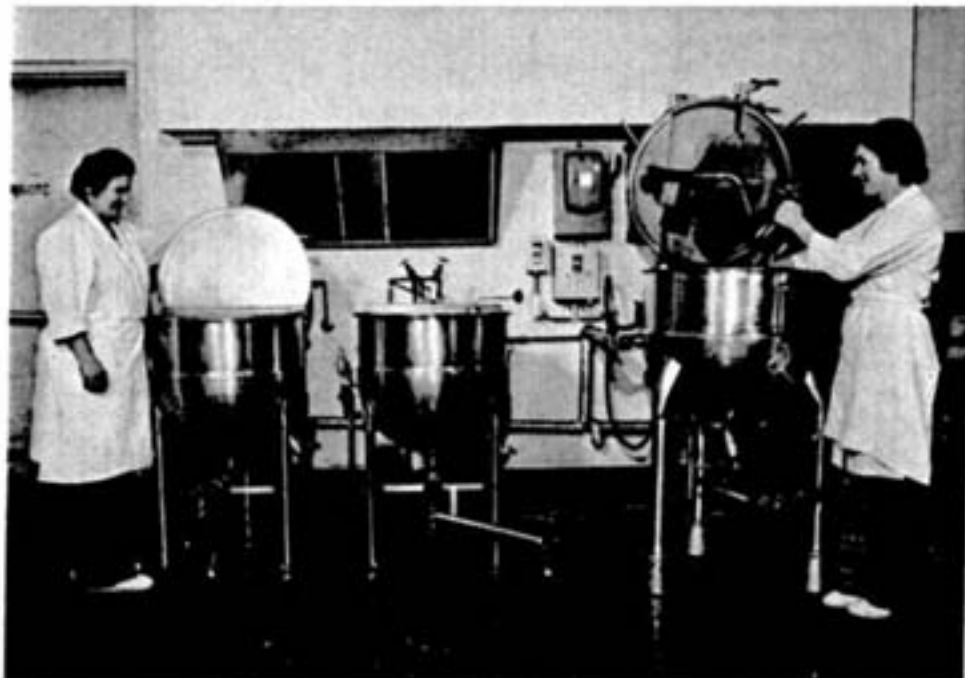
leaching at the Iron Ore Recovery Plant, and father-in-law Vic Baldisera is retired after 38 years with Inco.

In 1958, brother Vito arrived from Italy, and later worked in the mechanical department at the Copper Cliff smelter from 1963 to 1966.

It was in the mid-sixties that the combined ingenuity and business sense of the brothers prompted them to pool their resources in order to start an Italian carry-out food service; they rented a little house at 146 Brady Street in Sudbury and began what has now grown to an 18-store chain.

Quality of the foods has been the key to success, and this same quality control is now evident at the new Coront plant, located off Notre Dame in Sudbury. And the Masotti's admit that "whatever success they've attained" is also due in part to their employment at Inco, which offered the security needed to establish Sudbury as their permanent home, and led to the financial stability required to become private entrepreneurs.

The Triangle recently enjoyed a tour of the new plant and followed the process involved in preparing, freezing, and packaging the new Vitto Ravioli, one of the nine foods now being produced at the plant. Here's a thumbnail sketch: ... frozen beef chuck is chipped, ground, mixed, cooked, and reground, then refrigerated for approximately 12 hours. A special pasta maker, capable of producing 500 pounds per hour, yields a continuous strip of pasta about half an inch thick by 15 inches wide and eight



Dirce Simonato, left, food processor, prepares cappelletti soup, while Maria Valente, food processor, stirs the special Vitto sauce. Maria's husband Nick works in the converter building at the Copper Cliff smelter.



Resident government meat inspector, Terry Owens, carefully checks out the latest batch of Vitto sausage.



Maria Corazza, food processor, keeps an eye on the specially-designed ravioli machine, while Norm Zanutto, Vitto general manager, watches a new batch of dough being made. Maria's husband Luciano is a driller at Garson mine.

to ten feet long. Twenty to thirty pounds at a time are rolled to approximately one-eighth of an inch thick and formed into a strip about 25 feet long. This strip is then placed on a roller which, in turn, is positioned on a specially-designed ravioli machine. The dough is fed in horizontally, while the beef is fed in vertically; a set of dies punches out three raviolis at a time and seals them; they're dropped onto a tray which holds approximately ten pounds, then they're placed in a blast freezer, where the raviolis freeze in from six to ten minutes at a temperature as cold as -80°F .

Packaging comes next: the frozen raviolis are placed in polybags and check-weighed to ensure proper, standard contents. The bags are placed in cartons, which pass through a sealing machine. The cartons are then packed and stored in a regular freezer until shipment.

"The main purpose in establishing Coront Foods," according to general manager, Norm Zanutto, "was to enter the area of supplying retail food chains, which seemed to be the next logical step once Cortina was established." Norm's been with Cortina/Coront since 1972, when he left Inco after four years with the company's accounting department, Garson mine time office. Norm's dad, Tony, had 30 years with Inco when he retired from the Coniston smelter ten years ago.

The plant itself is 7,200 square feet of hustle and bustle, employing 15 full and part-time people and utilizing modern

stainless steel equipment. It came on stream in July of 1976, having received incentive, assistance and encouragement from the federal and provincial governments and from the Regional Development Corporation of Sudbury. And it boasts the north's only full-time resident meat inspector, Terry Owens, from the Department of Agriculture, Health of Animals branch, meat inspection division. Originally from Sudbury, Terry was "more than happy" to return to the area when, in January of this year, Coront Foods officially fell under the jurisdiction of government inspection.

Specialty foods carrying the "Vitto" brand are lasagna, ravioli, gnocchi, cappelletti, cappelletti soup, meat sauce, meat balls with sauce, sausage with sauce, and Italian sausage which, by the way, is most popular of the foods, with an approximate weekly output of 6,000 pounds. And Tony's quick to tell you, "we don't use any artificial additives . . . all of our products are natural, like home-made food."

The distinctive bright blue packages containing "Vitto" foods are now available at major food chains from Timmins to North Bay, Sault Ste. Marie through the Muskoka area and on to Barrie. Interesting to note that despite attractive offers from our southern neighbours, Tony and Vito are determined to maintain Sudbury as home base.

How did the name "Vitto" come about? Wanting a name with an Italian connotation, Vito and Tony married the first halves of their names and came up

with "Vitto", which, in Italian, means "food and nourishment".

As for local acceptance of the products, Vito mentioned that "people still appreciate good food, and that's why we're here . . . to make good food. Being federally-inspected is a big thing, too, even though a lot of people, when they pick up the "Vitto" brand, don't realize it's manufactured right here in Sudbury".



Brothers and partners, Tony and Vito Masotti, pitch in to help food processor Susan Valente at the packaging area.

General Engineering



Walter Chornenky, left, and Ray Belter exchange golf clubs for tongs and aprons.



Trying out a lawn chair he'd won proved to be just a little "much" for Dave Butler.

For more than ten years now, members of Inco's general engineering department in Copper Cliff have been participating in a golf tourney sponsored by the engineering department's social club. While the event has been played at various of the Sudbury area's golf courses, this year marks the fourth year in a row that the tournament has been held at the Lively Golf and Country Club.

Again this year, all general engineering personnel and associated contractors and suppliers were invited for golf during the day; the players and their ladies then finished off with an evening dance and barbecue at the clubhouse.



Tallying up the scores after the tourney — from left, Bill Matachuk, Hank Flaconi, Ed Owens (low gross winner) and Tony Lally.



Golfers and their ladies enjoyed a dance and dinner at day's end.

Annual Golf Tourney

Contributing to the smooth co-ordination and overall success of the affair were 1977 committee members Ed Owens, Chuck Mossey, Doug Moxam, John Jack, John Perron, Hank Fiacconi, Tony Lally, and Denis Mack; together, they managed to show that, on the greens or off, a little teamwork goes a long way.

Always greatly anticipated and well attended, this year's event saw 105 golfers teeing off in two flights; at day's end, scores were tallied, and Ed Owens came out as low gross winner, while Richard Mutuchki took away the low net trophy.

And already, plans are underway for next year's event.



Bill Tilston, left, retired superintendent of Lawson Quarry, and Lloyd Strong, superintendent, construction, Copper Cliff, wonder "whose is whose?"



Claude Kerr, senior field engineer, prepares to sink an all-important putt. Just in case you're wondering, he made it!



Copper Cliff fire fighters have adopted a new hose removal process — a tug on the rope allows for easier distribution at the scene of a fire, as demonstrated by Paul Bradley, labor boss in the Copper Cliff smelter's flash furnace section.

Volunteer Plant Firemen

On call to fight fires at any time, Inco's volunteer plant firemen are always conscious of their responsibilities, and many also serve as volunteer firefighters in their home communities throughout the Sudbury region.

It's a demanding task, as each man must be able to operate any piece of plant fire apparatus, and must be able to name and locate the equipment scattered throughout the brigade's protection area.

Regular practices, under the direction of assistant fire inspectors Jack Hall, Phil Izzard, and Fred Mansfield, keep the Copper Cliff teams hustling to get their hoselines into position. Regular workouts with fire-fighting equipment, combined with expert instruction, have resulted in knowledgeable crews in past years, and

1977 looks just as promising.

Already the volunteer teams are looking forward to the Inco fire-fighting competitions, slated for October, when they'll apply their skills to a series of practical problems.

According to Dick Dopson, Inco's fire inspector, this year's competitions will vary slightly from those of past years; previously, the emphasis was on the amount of time taken to suppress a fire; this year, emphasis leans towards technique and the methods used by fire crews to solve their problem. Time will still be a factor in the competitions, however, so the teams are guaranteed plenty of action when vying for the pumper division and non-pumper division titles.



After a practice, hundreds of feet of hose need to be put away. The "Irishman's Lay", common to most fire brigades, is a standard method of collecting the hose. Trying their hand are, from left, Roger Liboiron, copper puncher, Copper Cliff smelter; Rocco Decata, concentrator operator, Copper Cliff mill, and Andy Quesnel, process laborer, flash furnaces, Copper Cliff smelter.



First man up the ladder is Paul Bradley, followed by Pat Corcoran, of the Copper Cliff mill. Holding the ladder are Ron Van Mierlo, forefront, and Gordon Hayes.



Moving into action during a practice session, Rocco Decata, concentrator operator at the Copper Cliff mill, signals Joe Garretta, on the truck, to start moving a one-and-a-half-inch hose. Alan Laakso of the smelter's process laboratory prepares to get involved, while Mike Lalonde, right, casting building assistant at the Copper Cliff smelter, is already a few steps ahead.



GUS DESJARDINS: "Sports facilities in town are tops, and the fishing in Lake Erie is good. I enjoy watching ships from around the world pass through the canal. It's an impressive sight."



JAMES HAGGERTY: "Considering the population of the town, the sports facilities are excellent. Jim enjoys the area's beaches and Port Colborne's proximity to larger cities."



FLOYD KOERNER: "The medical facilities are good, and the parks and special activities such as Ethnic Day and Sunday Band Concerts are very enjoyable. I like watching the boats."



ETTURE PURIFICATI: "Port Colborne is a nice small town, and I like it. Big cities are not for me." Etture also enjoys the weather, and seeing the ships from around the world.



LUCIEN COTE: "The area has many good fishing spots, and the arenas and ball fields are the best around." He also enjoys swimming and the numerous sandy beaches of Lake Erie.



ORAZIO NUCCI-TELLI: "I like living in smaller towns, but it's good to be close to the bigger cities. The canal gives a lot of people problems, but I'm not bothered much."

"Why I Like Port Colborne..."

Earlier this year, the Port Colborne nickel refinery sponsored an essay contest for the area's school-age children, with the theme being "Why I Like Port Colborne."

With that in mind, The Triangle recently asked some of our people at the refinery to answer a similar question: "What is there about Port Colborne that you like." Excerpts from some of the responses are here for you to enjoy:



RUDY VIDACHAK: "Port Colborne isn't crowded, and there are fewer traffic problems." A weigher in the F.A.P., Rudy has lived in Port Colborne for 22 years.



CLARENCE CASSIBO: "It's a marine city, and I like boats." Clarence has lived in Port Colborne for 45 years and has been with Inco for 38 years.



WALTER HARRIS: "I've lived in other towns, and none have been as friendly as Port Colborne. The roads leading into town are good, and Highway 140 has been a Godsend."



DANNY D'ONOFRIO: "I've always had a job since moving here, and that's an important thing to me." Danny came to Port Colborne in 1950 and enjoys living near the lake.



NICK ANTONECCHIA: "The sports activities for the kids are good, and so is the fishing. I like gardening, and the weather here is great for that." Nick has lived here ten years.



CLAUDE ROCHON: "It's a nice friendly little city, and I've always made a good living here." Claude thinks the recreational facilities in the city are excellent.



The junior corps of the Ontario Folklorists dressed for "Extra, Extra," a lively jazz number.



Stage manager George Clarke chats with performers Carole Dionne and Aline Arsenault.

They're called the Ontario Folklorists, and their many talents were recently featured in a special presentation of "Gypsy", which played to capacity crowds at the F. W. Sheridan Auditorium. The production was conceived, choreographed, and directed by Gerry Gauvreau of the Gauvreau School of Fine Arts in Sudbury.

The senior corps of the Ontario Folklorists performed the opening and closing numbers for this year's Quarter Century Club program; in return, Inco

Inco provides sound system for performances by

The Ontario Folklorists

provided the sound equipment for "Gypsy", along with the necessary expertise, in the person of Doug Stickles, radio specialist with the company's field exploration department.

Formed in 1969 with 13 dancers, the Ontario Folklorists now number almost a hundred talented girls and boys from the Sudbury region who are dedicated to the arts of dance and drama. On a regular basis, they tour local schools and are called on to perform for various organizations and social functions; on



A modern ballet number by Kathy Dubé demonstrates the high level of concentration required for each performance.



A light hearted segment of "Gypsy" is portrayed by Denise Dubreuil.

... "Gypsy"

special occasions, they've travelled to Europe, through the states, and various of the provinces.

This year, the Folklorists received a Wintario grant in the amount of \$10,000, to be used for lighting, sound, costuming, and scenery. Treasurer of the group, Ann Dubé, mentioned that the non-profit organization otherwise depends solely on fundraising activities to support the needs of the dancers. According to Ann, the Ontario Folklorists, as a group, was formed "to give an outlet for their dancing

and to exercise their talents; to offer more opportunities to perform, travel, and promote the talent of the Sudbury region's youth". Ann further mentioned that approximately one-quarter of the youngsters are members of Inco families; her own dad, John Vrab, is an Inco pensioner who retired from the Copper Cliff copper refinery in 1960.

If you've seen the Ontario Folklorists in action, you already know the high calibre of talent we have right here in Sudbury; if you've missed out, make it a point to catch a performance next time 'round.



A moment of revelry for the grand finale of "Gypsy" is depicted by the senior corps of the Folklorists.



A wistful vocal solo by Jocelyn Lamothe closes the first half of the program.



Technical aspects of "Gypsy" were handled by Robin Mongrain, left, and Doug Stickles.



Two of the stars of "Gypsy" — Sylvie Mainville and Lise-Ann Paquette. Hundreds of Sudbury residents turned out to view the performance.



Admiring the new Rainbow Country logo are Chris Bresnahan, left, Bob Wheeler, and Bud Germa, right, MPP for Sudbury.

Canadian Voyageur Expedition

...explores French
River system and
establishes 1978
Voyageur race route.

The vitality and enthusiasm radiated by young people about to embark on a totally new experience were more than evident at the recent launching of the "Canadian Voyageur Expedition" which took place at the Dokis Indian Reservation.

Complete with back-packs, canoes and camping gear, the 15 students involved have just spent 12 weeks exploring the French River system, retracing the original routes of Etienne Bruie and Champlain, while establishing a route for a special "Canadian Voyageur Race", which will be held for the first time next summer.

"Canadian Voyageur Expedition" is a one-year project; the 15 participants are all students, and are all master canoeists; over the 12-week period, they travelled Lake Nipissing, French River, through to Georgian Bay, on to the North Channel, and ultimately to Manitoulin Island. The information they gathered will be used to plan and develop next year's Canadian Voyageur Canoe Race.

This particular program is one of 63

The 15 voyageurs who have recently explored the French River system and retraced the original routes of Etienne Bruie and Champlain, have also established a route for the "Canadian Voyageur Race", to be held for the first time next summer.



Plotting the first segment of their journey are Mike Beedell, canoe captain, and Susanne Ashmore.



individual "Ontario Experience '77" components, each operated by various ministries of the Ontario government, often in co-operation with community organizations. In this case, the program is operated in conjunction with the Ministry of Industry and Tourism and the Rainbow Country Travel Association.

Commenting on the province's overall summer employment program, Terry Jones, who is responsible for the Ontario Youth Secretariat, mentioned that "Experience '77 programs have been designed to be responsible to local concerns and priorities, while at the same time providing participants with a meaningful work experience". Terry, along with various of Sudbury's local dignitaries, was on hand to officially send off the voyageurs.

Ontario Experience '77 is a \$15 million program that has employed more than 11,400 young people throughout the province, in a wide variety of public service positions. It serves to offer young people a learning experience which will also complement their education and help in making career decisions.



Anticipation and enthusiasm abound! Joel Shapiro, left, executive secretary of the Ontario Youth Secretariat, and Cindy Greeniaus, information officer with the Secretariat, bid farewell to voyageurs Sonia Prokopetz and Chris Bresnahan, just before the launching.

The special canoe received a last-minute inspection by voyageurs Mark Turnbull, left, and Chris Bresnahan.



Following the official launching ceremonies at the Dokis Indian Reservation, part of the crew sets out along the scenic shores of Lake Nipissing. The expedition took 12 weeks, paddling along the French River system.





Undivided attention was given to a detailed description of the operations performed in Clarabelle mill's control room.

Employees' Friends Tour

Transportation and

On two consecutive Wednesday evenings, families and friends of transportation and traffic department, and transportation shops' employees were invited to visit the facilities and other associated operations; over seventy visitors were welcomed at each session.

The guests gathered at the Copper Cliff Community Hall for a brief introduction by Wes McNeice, superintendent of transportation operations, following which, hats and safety glasses were distributed and the groups boarded special buses available for the tours.

Visitors were first taken to the Copper Cliff tailings area, in order to view the reclamation program being carried out by the company's agriculture department; representatives of the project were on hand to explain the history and laboratory testing involved, and to generally describe the revegetation project.

The visitors were then given an opportunity to view the relationship between the transportation department and the various mines and plants; the Clarabelle tippie was seen in operation, and the upper yard storage of railway cars was viewed; later, the guests were introduced to the milling section and received a detailed explanation of the



Ken Johnston, left, manager, transportation and traffic department, and Bill Milks, center, transportation foreman, answer questions put forth by Jeff Savage, son of Jim Savage, right, Inco agriculturist.

Families and Facilities of



Visitors were bused to the Copper Cliff tailings area to view the company's reclamation program; Jim Savage, agriculturist, explains the project to interested spectators.

Traffic Department

workings of Clarebelle mill's modern control room.

Then, it was on to the main slag dump area, to watch a train of slag being dumped. There was an opportunity to chat with slag dump employees and to view the Fisher Dry-Pak plant; an explanation was given regarding its association with removal of slag for commercial use.

The tour bus then entered the base of the smelter's 1250-foot-high "super-stack", where visitors were given an opportunity to see the inside of the stack; a special guide described the interior and answered questions.

Then, an electric locomotive was made available for children to look at and to enjoy a short ride.

Following the tour, a buffet was served in the transportation and traffic department's main lunchroom; a display of the metals recovered by Inco was available, and ore samples and brochures were distributed to all participants.

At the tour's conclusion, Ken Johnston, manager of the transportation and traffic department, mingled with the visitors, giving a resume of the essential functions of the department and fielding any further questions.



The Clarebelle tippie was of interest to all visitors; here, ore cars are seen being dumped, while Alex Killah, second from right, locomotive shop foreman, helps to explain the procedure.



Wes McNeice, right, superintendent of transportation operations, explains the flow in the Clarebelle mill control room to, from left, Grace and Joe Grenier — Joe is retired from mines maintenance — and Carole Grenier and husband John, a transportation department employee.









Music in the Park

The promise of a special evening of entertainment brought over 8,000 people to Copper Cliff Nickel Park, and they were not disappointed. For two Wednesday evenings in July, Inco Metals Company featured music in the park for all employees and pensioners, along with their immediate families.

Weather for both evenings was exceptional, and the families settled down on the Nickel Park lawns to listen to the good vibrations of two local bands, supplied by Inco and the Sudbury Federation of Musicians. The Sudbury Silver Band, under the direction of Austin Piehl, played both old favorites and contemporary music during the July 13 concert. Those with a flair for country music were entertained by the foot-stompin' stylings of Stan and the Valley boys with Anita Perras and Johnny Bruneau the following Wednesday, July 20.

Fresh air can build up plenty of hungry appetites during the course of an evening, and the box lunches supplied to those in attendance took care of everyone.

Thousands were guided through nearby Inco surface plants under the informative eye of Inco tour guides. Those on tour were treated to a close look at Copper Cliff North mine, the Clarendon mill and the Copper Cliff smelter. The Triangle photographer was on hand to record the successful event. Turn to the foldover section for a closer look at Inco's "Music in the Park."

Hundreds of juicy watermelons attracted both young and old during two hot summer evenings in Copper Cliff's Nickel Park. That's 16-month-old Corrie-Lynn Gorman, obviously enjoying her share of the thirst-quenching fruit. She is the daughter of Gerry Gorman, a foreman in the tankhouse at the Copper Cliff copper refinery.



For Safety's Sake

Summer's here, and the good times are upon us. Make it a SAFE summer, particularly for the youngsters, by taking simple, basic precautions against the possibility of poisoning.

This great outdoors of ours offers many scenic attractions, and we all know how youngsters love to explore, but . . . while many plants and berries are lovely to look at, some can be very harmful if eaten.

The possibility of poisoning is a very real one, not only out-of-doors, but

inside the home. Keep your medicines out of the reach of children, and never leave medication on a shelf, table, or counter-top. If you have to give medicine to a child, be sure you read and follow carefully all directions on the label.

Special assistance is available through the Poison Information Centre, located in the emergency section of Sudbury General Hospital. The Centre has a medical officer on call 24 hours a day, and information is available on symptoms

and treatments simply by phoning 674-3636.

Vivian Cousins, head nurse, emergency and ambulatory care department, mentioned that the most frequent problems involve misuse of aspirin, household cleaners, medicines, turpentine and plants.

"If a poisoning occurs, call your doctor, or call our Poison Control Centre. But remember . . . prevention is the best treatment."



Keeping medicines out of the reach of children is the first step towards poison prevention. Children's games can end up in tragedy through the misuse of medicines or household cleaners. Here, Amy and Greg Tosato demonstrate what parents should watch out for: their father is Bob Tosato, an instrumentman with Inco's meter department in Copper Cliff.



The Poison Information Centre, located in the emergency section of Sudbury General Hospital, provides special assistance concerning symptoms and treatments through a special information line. Vivian Cousins, left, head nurse, emergency and ambulatory care department, and charge nurse Doreen Sonoski study a vial of North and South American anti-snake serum.

Creighton mine's

Modudata Monitor

Through the use of a newly-installed electronic monitoring system called Modudata, Creighton mine can now monitor its vital operations from a centralized location. Up till now, it could take hours to detect the location of a problem; now, the Modudata control panel indicates where and, in many cases, what the trouble is. The system shuts down a unit that's functioning improperly, and a signal indicates to someone on surface just where the problem lies.

The new Modudata system places many of the mine's important functions under constant surveillance: power, pumps, ventilation, heating, cooling, return air, sewage treatment, fire detection, and hot water heating. The various workings of a one-and-a-half-mile deep mine are complex, to say the least, and remote warnings of potential problems can save plenty of footwork.

A prime example is the pumping system: on an average, a million gallons of mine water are pumped through the underground system to surface each day, and this figure can double during spring runoff. Pumping is done by stages, from the 1900, 3800, 5400 and 7000 levels. All pumps are rated at 700 US gallons per minute. The 1900 and 3800 levels are each equipped with pairs of 11-stage pumps driven by 500-horsepower motors. The 5400 level is equipped with a pair of nine-stage pumps driven by 500-horsepower motors, and the three pumps on the 7000 level are 13-stage pumps driven by 400-horsepower motors. All pumps can be operated in tandem.

In the past, surface operators couldn't tell which of the pumps were or weren't operating. Now, the new Modudata system indicates clearly which of the pumps are running and which are on standby, and enables the person on surface to switch the sequence of the pumps. An electronic digital readout also indicates the amount of power each pump is drawing.

Ventilation is also a major concern; the Modudata system monitors the major fans in the mine, can start and stop them,

and remote sensing devices can tell if a fan is vibrating; this knowledge can prevent damage to the unit. It's anticipated that the Modudata system will also play a major role in monitoring Inco's current \$27 million project to increase ventilation at Creighton No. 9 shaft.

Although the system is serving its purpose well, regular inspections by mine personnel are still carried out. "The idea behind the system," claims Len Kaattari, Creighton mine's chief maintenance planner, "is to provide us with a facility to handle emergency

situations with more intelligence, as well as to supply a continual indication of the operating condition of equipment during the normal working day."

Planners further indicate that from this point on, the possibilities for updating the system are limitless. With the proper electronic links, a person at the control panel can tell which conveyors are running, if they are on track, if magnets are working, which emergency cord has been pulled, and so on.

In short, the Modudata monitoring system means long-range, split-second troubleshooting.



The Modudata system at Creighton mine automatically indicates which pieces of stationary underground equipment are running and at what capacity. Operating shaft boss Rolly Richards, left, listens in as electrician Leo Laakso reads a pump current readout to Everett Henderson, right, electrical technologist.

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



Members of the executive committee of the advisory council for the School of Engineering, Laurentian University, recently met to discuss course content. The School of Engineering is supported by representatives of the mining industry in a financial and advisory capacity. Some of the members of the executive committee are, from left, **Bill Taylor**, manager, finance and control, Falconbridge Nickel Mines; **Dr. J. R. Rawling**, professor of mineral process engineering; **Dr. A. S. Tombalakian**, director, School of Engineering; **O. T. Djamgouz**, associate professor of mining engineering; **Anis Farah**, assistant professor of civil engineering; **Charlie Hews**, vice-president of administration and engineering services, Inco Metals Company; **R. A. Walli**, professor of mining engineering; **Tom Kneen**, chief engineer of Quirke mine, Rio Algom, and **Dr. Henry Best**, president of Laurentian University.



Walter Gray has been appointed Director, Government Relations of Inco Metals Company. He will be responsible for the coordination of government-related activities concerning Inco Metals. Mr. Gray will report to John McCreedy, Chairman and Chief Executive Officer of Inco Metals Company. A former journalist and communications consultant, Mr. Gray had been Director, Government Relations of Inco Limited in Canada since March 1975.



The many friends who became acquainted with **Jim Oliver** and **Stan Coagle** during their years of service in the Copper Cliff general office held a joint retirement party for them recently at the Italian Club in Copper Cliff, where the two were presented with wallets and pens. Jim retired from his job as supervisor of Inco's stationery department, while Stan was employed as a senior clerk in hourly payroll. Swapping stories at the party are, from left, **Will Digby**, superintendent of employment and benefits; **Wayne Smith**, supervisor of office services; **Jim Oliver** and **Stan Coagle**, **Gerry Bertrand**, senior deductions clerk; and **Al Hickey**, assistant division comptroller.



Hundreds of friends gathered to pay tribute to **Dr. R. M. Mitchell** at his recent retirement. Most of the doctor's career has been spent in the Sudbury area, starting in 1930, when he was serving as an intern at the Copper Cliff General Hospital. Following his post-graduate work at the Toronto Sick Children's Hospital, Dr. Mitchell returned to Sudbury in 1935 to assume a post as one of the first doctors at the Inco Medical Centre, located in the Inco Club in downtown Sudbury. In 1940 he went into private practice, and in the years that followed he acted as city coroner. In view of his many years of dedicated service, **Mel Young**, left, assistant to the president, Ontario Division, Inco Metals Company, presented Dr. Mitchell with a set of matched bookends, made from sulphide ore.

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



Baseball is in full swing, and the Walden Little League is well into the season's schedule. **Tom Davies**, mayor of Lively, opened the season with a ribbon cutting ceremony at the Walden Little League Field recently with help from **Bill Narasnek**, one of the league coordinators and a general foreman at Copper Cliff North mine. Below, **Steven Narasnek**, son of Bill, "discusses" a call made by umpire **Terry Cryderman**.



Johannes P. Schade, left, senior vice-president, Inco Metals Company, recently took time out from his busy schedule to tour Inco operations in the Sudbury area. Above, Stobie mine engineer **Doug Valentine**, centre, and **Bill Collis**, area manager of the Frood-Stobie complex, explain the method of drawpoint control during a short briefing session prior to Mr. Schade's trip underground. In the garage of Stobie mine's 1200 level, below, Bill Collis explains the mucking capability of a load-haul-dump unit. Following the extensive underground tour, Mr. Schade, who is responsible for marketing the company's primary metal products on a worldwide basis, viewed the Copper Cliff smelter and Copper Cliff nickel refinery operations.





Inco Plant Tours are a big attraction for summer tourists passing through the Sudbury area, and visitors from all over the world have taken up the invitation to view Copper Cliff South mine, Clarabelle mill and the Copper Cliff smelter. Above, tour guide **Mike Walker** helps visitors from Walden equip for the tour, the exception being these visitors are from Walden, New York, and not the local township. Needless to say **Amy Toole**, left, and **Carole Bloch** found the tour worthwhile. Below, Mike, Marc and Jack are not a singing group; they're tour guides **Mike Hurley**, **Marc Leonard** and **Jack Poirier**.



Appointments

Dar Anderson, manager of maintenance, mines and mills, Copper Cliff.

Phillip Annis, project leader, Clarabelle mill.

Ronnie Baggio, construction controller, maintenance construction, Copper Cliff.

Jean Paul Beaulieu, construction foreman, Copper Cliff.

Jeffrey Beland, mine foreman, Levack mine.

Clair Bracken, utilities foreman, Copper Cliff.

Douglas Fosten, construction foreman, Copper Cliff.

Raymond Frenette, senior process assistant, Copper Cliff mill.

Gerry Friel, industrial relations assistant, Stobie mine.

Michael Grace, mine foreman, Stobie mine.

Robert Hallett, capital expenditure analyst, Copper Cliff.

Ignatius Hickey, senior process assistant, Copper Cliff.

Robert Hicks, instrumentman, mines exploration, Copper Cliff.

Gord Hurst, supervisor, payroll and data, Port Colborne nickel refinery.

Fred Johannes, manager, divisional shops, Copper Cliff.

James Johnston, environmental control assistant, Copper Cliff.

John Kenny, industrial evaluator, Copper Cliff.

Richard Ketter, mine foreman, Frood mine.

William Klomp, shops co-ordinator, central shops, Copper Cliff.

Sam Laderoute, public affairs assistant, Copper Cliff.

George Langevin, training supervisor, Frood mine.

Howard Lyons, construction foreman, Copper Cliff.

Charles McGaughey, safety foreman, Levack mine.

Leo Pevato, supervisor of planning and costs, transportation and traffic, Copper Cliff.

Tom Plexman, tour co-ordinator, public affairs, Copper Cliff.

Roy Porter, senior timekeeper, Little Stobie mine.

Jim Scott, superintendent, Levack mine.

Alvin Sokoloskie, mill foreman, Copper Cliff mill.

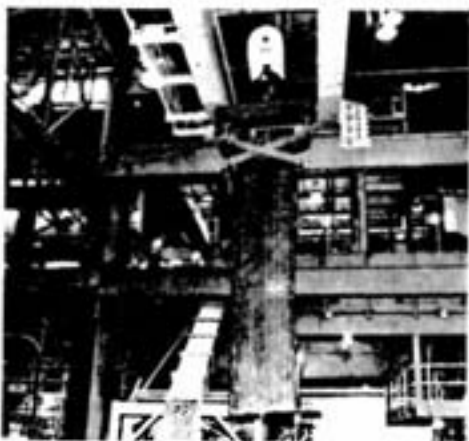
Clifford Speirs, plant security guard, Copper Cliff.

Lloyd Strong, superintendent, construction, Copper Cliff.

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



A joint effort by central engineering, central shops and maintenance and operating personnel at the Copper Cliff copper refinery recently resulted in another first in their long list of achievements. Using new moulds and lifting tongs, made and modified by company personnel, the operations crew cast a copper cake 17 feet in length, 41 1/2-inches wide and 6 3/4-inches thick. The high-quality cake is the result of a program aimed toward production of the massive copper bars. The new facilities will allow copper refinery personnel to mould pieces of copper 25 feet in length, the longest in North America. Above, casting assistants **George McNamara**, left, and **Mike Theriault** set the lifting tongs in position prior to lifting the cake out of the casting well. Suspended by an overhead crane, the cake is then moved to another location for cleaning and cutting.

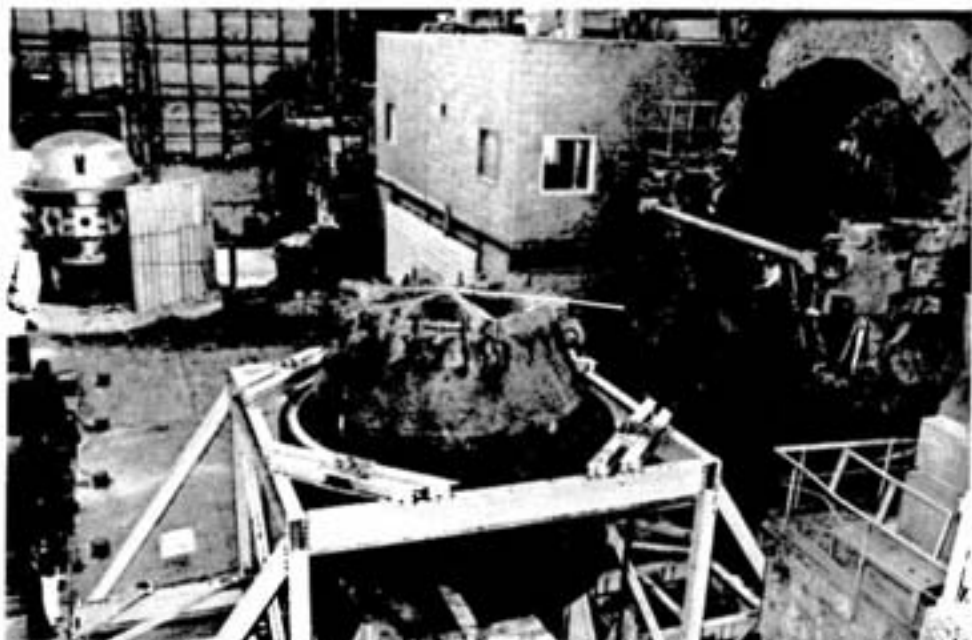


After 25 years of service, the old but ailing load regulator at No. 1 substation in Copper Cliff was recently replaced with a modern design, using reliable solid state circuitry. The load regulator senses changes in power consumption at No. 1 substation and remotely controls water flow through the generators at "Big Eddy" power plant on the Spanish River to decrease water consumption while effectively controlling power generation. Unable to purchase a system which could perform the requirements, instrumentation foreman **Richard Forget**, left, and instrumentmen first class **Paul Lavigne** and **Andre Charlebois**, of the main instrumentation shop in Copper Cliff, used their electronic abilities to engineer and build this new and reliable system.



The only thing as perennial as that hot summer thirst are those lemonade stands that spring up in the most convenient places. Here **Charlie O'Reilly**, left, and **Ken Fletcher** decide to sample the wares of the two enterprising young businessmen who set up shop in downtown Copper Cliff. It was agreed that young **Craig Johnson** and **Dennis Hannah** were running a fine establishment, with their low overhead, prices were hard to beat.

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



The Copper Cliff nickel refinery's planned shutdown program recently gave maintenance crews a chance to replace one of its top-blown rotary converters with a vessel of more advanced design. The old vessel, which had been in operation for five years, will be repaired, cleaned and kept as a spare. Two of the 70-ton converters are used to melt, then reduce the sulphur content of metallics from matte processing before further processing at the refinery.



Judging by some of the scores, being handicapped is no handicap at all when it comes to bowling, and a day at the lanes for the region's Associations for the Mentally Retarded proved to be a refreshing break for everyone. Many company employees were actively involved in the organization and co-ordination of the day's events. Above, an anxious crowd gathers to see the score of their game marked by **Claire Bowser**, recreation co-ordinator with the Sudbury District Association for the Mentally Retarded. Standing, from left, **Bill Lockman**, a Creighton mine employee; **Lorraine Evershed**, recreation chairman with the Valley Association for the Mentally Retarded; **Cec Woods**, regional chairman of the Valley Association; **Carmen Renaud**, of the Valley Association, and **Gerry Daigle**, of the Valley Association's admissions board.



Hot summer days can become long and tedious for young children, especially if they have no one of their own age to play with. As in years past, the Port Colborne Recreation Department has again supplied a solution to the problem by providing organized neighborhood playground activities for children three to eight years of age. The wading pool at Lakeview Park, above, is a popular cooling spot for young children these hot summer days, and is always under the watchful eyes of a supervisor. Included in the above group are **Sandy** and **Karen Torok**, daughters of **Doland Torok**, of the Port Colborne nickel refinery. Below, **Chantelle DeJardins** looks on intently as playground leader **Nancy Benson** puts her name on a completed piece of artwork.



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



That's **Donald J. Phillips**, left, Inco Metals Company's president and chief operating officer, inspecting 'S' nickel rounds in the shearing and shipping department of the Port Colborne nickel refinery. Mr. Phillips recently toured Port Colborne operations with manager **Warner Woodley**, and showed a keen interest in the facilities for producing utility nickel, a new product of the Port Colborne nickel refinery.



Congratulations to these three Copper Cliff North mine employees for their quick action in extinguishing an underground fire that had potentially serious implications. Copper Cliff North mine superintendent **Grant Bertram**, left, presented drill foreman **Claude Morin** and his crew of **Andy Demers** and **Don McGraw** with awards for extinguishing a fire in a raise borer transformer underground, thereby eliminating a serious smoke hazard and minimizing damage to equipment.



Inco Metals Company's summer students have proven to be a valuable asset, especially to the agriculture department. The students have laid miles of sod throughout the Copper Cliff area. Doing her part at the Copper Cliff nickel refinery, **Lee Ann Travaglini** makes sure she gets the green side up.



Sudbury's Idylwyld Invitational Golf Tournament is always a major attraction for golfers from across the province, and this year's tournament was no exception. With over 190 entries, competition was close, with **Bruce Brewer**, left, of the Whitevale Golf Club in Toronto coming up the winner of the Championship Flight for the fourth time. He accepted the Inco trophy from **Mel Young**, centre, assistant to the president, Ontario Division, Inco Metals Company. Looking on is **Brian Knight**, chairman of the event. Runner-up in the competition was **Bill Morland**, of North Bay, a previous winner on four occasions.



Stan Ojanpera



Edgar Melanson



Theo Mathew

Stan Ojanpera Leads Suggestion Award Winners With \$795 Idea

Many employees benefitted from the company suggestion plan this month. Top winner was **Stan Ojanpera**, of Copper Cliff South mine. He took home \$795 for his suggestion to machine and rebuild balance valves on Sulzer pumps. **Edgar Melanson**, of Levack mill, was another winner, claiming \$790 for a recommendation to wrap the flotation denver shaft with denso tape. An award of \$620 went to **Pasquale Lisi**, of the Copper Cliff copper refinery, for a suggestion to replace wooden liners for stocking cathodes in anode storage with steel rails. A \$555 award went to **Theo Mathew**, of the Copper Cliff copper refinery, for a suggestion to fabricate pillar pads on anode furnaces out of water-cooled cakes. **Maurice Gaudette**, of the Iron Ore Recovery Plant, recommended replacing seals on pallet wheels with anchor packing and was awarded \$515. **Antoine Laframboise**, now a pensioner, picked up two big awards for suggestions he made while still working at Creighton mine. His new method of repairing load binder brackets on utility trucks won him \$500, and an additional \$350 was awarded for fabricating a new type of draw-bar hook assembly for utility trucks. There were seven awards in the \$75 category. **James Bolger**, of the Copper Cliff copper refinery, recommended rewiring vertical furnace control panels for better identification of malfunctioning equipment. He picked up an additional \$75 award for a recommendation to install indicators at all control points for natural gas equipment in the anode department. **Douglas**

Breathat, of Levack mine, suggested installation of a baffle in the No. 1 thickener at the sand plant. **Peter Coyne**, of Copper Cliff South mine, suggested modifications to the scraper on the end of loading pocket conveyor belts. **Aldo Manarin**, of Copper Cliff North mine, suggested relocating the tugger hoist at the 2200 level crusher. **Leo Vincent**, of the Copper Cliff copper refinery, recommended installation of racks beside the No. 5 dial scales. **Chris Martin**, of Copper Cliff North mine, won \$70 for a suggestion to install a guard around the forward and reverse throttle stick on Clayton diesel locos. An award of \$60 was presented to **Edwin Lang**, of the Copper Cliff copper refinery, for a recommendation to cover the gears on the mould press with a shield. Six awards of \$50 were given out this month. The team of **Leo McLaughlin**, and **Clayton McCoy**, of the Copper Cliff copper refinery, recommended installation of a brace to secure racks on the No. 4 conveyor to the wall. **Dennis Bean**, and **Vic Samuels**, a team from the Copper Cliff South mine, rewired relays for a more effective Digicable pump control system. **James Bradley** and **Greg Mault**, of Copper Cliff South mine, teamed up to suggest the installation of a manual reset overspeed indicator for skip hoists. **Walter Sander**, of Frood mine, suggested fabrication and installation of a guide on Shotcrete nozzle stands. **Gilles Grandmison**, of Garson mine, suggested welding boom jibs and boom swing cylinder anchors to frame drill jumbos.

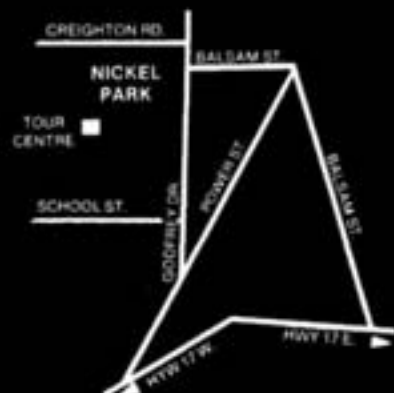


Number one first-aid station, located in Copper Cliff, is the communications centre of Inco's extensive first-aid program. Direct lines to the regional ambulance switchboard, fire departments and other strategic communication links stem from this station. In addition, the station acts as a base for the company's two-way radio network. Also, on afternoon and graveyard shifts it serves as a monitor for the telephone paging system. Plant protection officer **Jack Fraser**, right, reviews the communications centre with summer students **Gord Burdenuk**, front, and **Pete Franklyn**.

Inco Plant Tours

Continuously from 9:00 a.m. to 2:30 p.m.
Monday through Saturday

For further information
Call 682-2001



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



First appearances may be deceiving, and it may look like the bow of this ship is about to follow the rest of the boat into the deep blue sea. The lower photo, however, manages to explain the contortions performed by the Chi-Cheemaun, a ferry providing tourists with a shuttle service between Tobermory and South Bay Mouth, Manitoulin Island. Graphic designer **Jim Bisson** captured the interesting shot during a weekend visit to Manitoulin Island.



Are You Putting Me On?



"I don't wear safety glasses because . . ."
Whatever your excuse, you are only kidding yourself. After all, it's your eyesight that's at stake.
Your excuse won't provide much comfort if you lose your eyes in an accident.

And That's No Put On!



Proven effective through use in various projects around the country, a polyvinyl chloride membrane has been installed on the Levack No. 2 tailings dam. Some 215,000 square feet of the membrane were used in the project, designed to prevent leaks in the dam. Above, an overall view of the membrane being anchored against the wind by dumptrucks. Eventually the liner will be covered by the tailings. Below, from left, **Charlie Lush**, superintendent of Levack mill; **Bob Johnson**, assistant mill superintendent, and **Dennis Dmytrow**, maintenance general foreman, study the heavy-gauge polyvinyl.



NEWSMAKERS . . . NEWSMAKERS . . . NEWSMAKERS . .



That's **Alex Bellrose**, a drift driller at Creighton No. 9 shaft, relaxing with his son **Robin**, sister-in-law **Carol Lefebvre**, and niece, **Angie**, at the recent annual children's picnic, sponsored by Sudbury's Moose Lodge No. 230. Ideal weather conditions prevailed throughout the day, and the camping ground at Richard Lake Park was a beehive of activity as youngsters and their parents enjoyed the day's activities. Below, youngsters are given final instructions before one of the many racing events. There were prizes galore, along with free pop, hot dogs, ice cream and hamburgers. Chairman of the successful event was **Alex Bellrose**, ably assisted by **Bill Howard**, a diamond driller at Copper Cliff North mine; **Ross Chadwick**, a diamond driller at Crean Hill mine; and **Lloyd Howard**, a maintenance mechanic at Creighton mine.



Antique automobiles are always a big attraction no matter which city they're found in, and Sudburians were delighted recently when members of the Nickel Region Historical Automobile Society of Canada fell into formation for a lengthy parade through the city streets. Local car buffs were joined by a few out-of-towners, making the parade quite a showcase of auto history. Above, **John Tegel** gets a peek under the hood of **Rick Morrison's** Model "A" Ford. Both John and Rick are members of Inco's accounting department in Copper Cliff.



Today's cars may be faster and lower, but it's doubtful that anyone offered a ride in **Bill Kernohan's** 1930 Model "A" Ford Roadster would turn it down. Bill is a stationary engineer at Frood mine. Below, "Honest officer, I never drive it over 30 m.p.h. anywhere," seems to be what **Don Pletto**, an electrician at Stobie mine, is saying, and from the looks of Don's 1957 Buick, it's quite believable. Constables **George Lische** and **Lorne Chulpka** were on hand at the parade to ensure everything ran as well as the cars.



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



Sudbury's sister city is Kokkola, Finland, and its mayor, **Esko Lankila**, left, along with his wife **Pirkko-Lisa**, were treated to a first-hand look at Sudbury's principal industry recently. A surface tour included a visit to the Clarabelle mill control room where process assistant **Bill Hudyma** explained the mill's closed-circuit television system. The mayor and his wife were attending the Canadian-Finnish Grand Festival, hosted by the city and region.



Tom Parris, left, vice-president, Ontario Division, Inco Metals Company, responsible for mines and mills, bids a hearty farewell to **Norm Creet**, who recently left for an extended tour of duty with P.T. Inco Indonesia. Prior to his new assignment, Norm was manager of maintenance, mines and mills, Ontario Division.

GOLF!

GOLF!

GOLF!

The 3rd annual IN Touch pensioners' golf tournament will be held August 25, 1977, at the Chelmsford Golf Course. Entries should be in by August 20. Send entries to **Bert Meredith**, IN Touch, Inco Metals Company, Copper Cliff. Entry fee is \$3, payable prior to tee-off. Be sure to give name, address and phone number with entry.

Tie one on!



SAFE BOATING



The thirty-fourth annual inspection of the Royal Canadian Air Cadets' 200 Squadron, Sudbury, took place recently at the Bell Grove Arena in Sudbury. The cadets have been judged the best in the province over the past two years. Under the instruction of Lieutenant **Hank Derks**, Inco's chief first-aid co-ordinator, the cadets put on a special first-aid display, along with demonstrations on self defense and physical fitness. Above, reviewing officer Colonel **G. S. Kells**, deputy chief of staff, operations, Canadian Forces Training System Headquarters, Trenton, conducts inspection of Guard of Honor alongside Flight Sergeant **Norman Gingras**, left.

NEWSMAKERS . . . NEWSMAKERS . . . NEWSMAKERS . .



Effective September 1, speed limits and distances on Canada's highways will be converted to metric measurements. In Sudbury as in other areas, employees of the Ministry of Transportation and Communication are busy gearing up for the changeover. Above, MTC employees **Carl Robinson**, left, and **Robert Mottram** are getting ready to change existing signs with the aid of a pressure sensitive transfer. Distances from Sudbury to Parry Sound and Toronto will now read 157 kilometres and 387 kilometres, respectively, as demonstrated by **Robert Mottram**, left, and **Mike Yakiwchuk**.



From September '77 Canadian road speed limits will be posted in kilometres per hour (km/h).



Look for the km/h tab below the maximum speed limit sign, indicating that this is the new speed in metric.



100 km/h This speed limit will likely be the most common on freeways. On most rural two-lane roadways, 80 km/h will be typical.



50 km/h A 50 km/h speed limit will apply in most cities.

Actual speed limits will be established in accordance with local regulations.

HIGHWAY Speed km/h

Believe It Or Not . . . This Was Copper Cliff Back In 1903

Despite the trials and tribulations of the decade before 1900, the North American nickel industry entered the new century, revolving chiefly around the Canadian Copper Company and the Orford Copper Company. It had been recognized for some years that neither could build for the future without the other and, as a result, a merger of the two companies was effected; in April, 1902, the International Nickel Company was organized. Now began a period of long needed plant rehabilitation and improvement, made possible for the first time by the capital resources of the International Nickel Company. The benefits weren't confined to the industrial locations, as the turn-of-the-century shot of Copper Cliff, taken in 1903, indicates. Three-quarters of a century later the community has grown in beauty as well as size.



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



An exchange of goodwill between the Regional Municipality of Sudbury and Metropolitan Toronto holds the promise of a growing friendship. Last year, members of the Metropolitan Toronto Board of Trade planted a Crimson King maple in Copper Cliff Nickel Park. Exactly one year later, 125 young birch trees were presented to members of the Toronto Board of Trade. The young birch trees were donated by Inco Metals Company. Displaying one of the young saplings are, from left, **Tom Peters**, Inco's agriculturalist, **Bernie Eckert**, chairman of the Metropolitan Toronto Board of Trade, and **Tom Flood**, general manager of the Sudbury Regional Development Corporation.



Thousands of families in the Sudbury area have members of the clan packing their lunchpails, then heading for work at Inco mines and plants. An interesting example of this is the Richer family, whose Incoites include father, mother and son. **Paul Richer**, left, is a laborer at the nickel reverbs in the Copper Cliff smelter. Wife **Oily** is a tipperwoman in the roaster department, and their son, **Willie**, works as a laborer in the roaster department.



The Levack No. 1 and No. 3 tailings dams are in the process of being elevated an additional 20 feet. The idea behind the heightening of the dams is to make available a suitable storage pond, able to contain a sufficient volume of water to operate the Levack mill on recycled water and ensure a longer life in the tailings area. Loaders and dumptrucks muck out muskeg to the bedrock, ensuring adequate leakage control.



When a recent fire alarm practice at the general engineering building in Copper Cliff sent everyone scurrying outside, someone suggested that **Don Bradley**, manager of engineering, had arranged the alarm to go off so he could show off his new Honda 1,000 GL. While the suggestion seems ridiculous, the bike did attract a lot of attention. Don picked up the bike for cross-country touring and recently broke it in on a trip to Peterborough. He finds it a lot easier to relax with the new bike on the open highway, opposed to the 350cc he was driving before. The motorcycle does seem worthwhile in the city, too, and Don has to answer a lot of questions from his admiring friends, including stenographer **Carol Fahey**.

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



This photograph, taken back in 1886, depicts a group of **adventurous surveyors** who were responsible for mapping the Sudbury basin. The picture was taken along the **North Shore of Lake Penage**. Note the shotguns, which took care of surprise visits by wolves and bears in "the good old days."

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This month's logo writer is Bill McLaughlin, a rigger at Creighton mine's No. 9 shaft. He has worked with Inco for 23 years. For the past three years, he has been actively involved in the Walden Little League, this year managing the local tournament team in the 1977 District 4 Little League Tournament.

Bill's interest in sports goes back a long way. His father came to Northern Ontario as an imported semi-pro ballplayer, and the McLaughlin brothers have been actively involved in hockey and baseball all their lives. Bill has five brothers employed with the company and one with the Ontario Provincial Police.

"I had to decide whether to give my time to kids' hockey or baseball," Bill said, "and I decided on baseball because the local program needed the help of parents. Sometimes it seems we live in a hockey oriented area. It might be nice if we could get a little more support down at the baseball diamond."

Parental support of the Little League has always been one of the major concerns of the managers, claims Bill. "If the parents come out to watch the game, the youngster feels good. Usually a pat on the back from an interested parent will keep the interest up."

New regulations in the Little League ensure that everyone on the team will get to play at least three innings. "It's one of the best things to happen to Little League in a long time," Bill says. "None of the players can get discouraged by sitting a game out on the bench, although a bench is a good place to learn about the game."

Although he has no sons in the league, Bill and his wife Susan have raised two daughters, Linda and Janice. His experience in raising the two girls comes in handy at the ballfield, as there are four girls playing on the team he manages regularly in the Walden league.

"They know how to play ball," he says, "but I still have to keep a close eye on them. Once in a while I have to warn them to take off their earrings to make sure they don't hurt themselves stealing second."



Logo Writer— Bill McLaughlin

