

The Triangle

SEPTEMBER 1979



The Triangle

Editor,
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The Triangle
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On The Cover . . .

That's Danielle Brunet, of Inco's agriculture department, sitting pretty amidst the tall grass of Inco's tailings area, located just west of the smelter complex in Copper Cliff. Following extensive experimentation, the grass was successfully introduced in the 50's; since then, thousands of acres have been revegetated throughout the Sudbury area.

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Inco's agriculture department has paid tribute to 1979 as International Year of the Child with a special floral arrangement in beautiful Copper Cliff Nickel Park. Dusty miller plants spell out the words, while the central display is comprised of salvia, marigolds and lobelia. A honeysuckle hedge provides an attractive background.

Quarter Century Club's Class of '79 To Add 268 New Members Next Month

Next month, the Ontario Division's Quarter Century Club will add 268 new members to its ranks, with 227 joining the Copper Cliff Chapter and 41 being added to the Port Colborne Chapter. The Copper Cliff gathering is slated for October 17 and 18, while the Port Colborne meeting will be held on October 19.

As in years past, members will be entertained by top Canadian artists, with petite and lovely Mary Lou Collins headlining the show. Other featured entertainers are Marg Westfall and Eddie Graf.



Mary Lou Collins

Mary Lou Collins comes to Sudbury direct from Edmonton where she taped a "Special" about Canada which is to be shown on the national television this fall. Her past achievements include tours with Bob Hope for the U.S. Forces Bases, and a special request by Bob Hope for her working with him on the Grandstand at the CNE in 1976.

Marg Westfall

One of the most "in demand" lounge performers in the business, Marg is a featured vocalist with Moxie Whitney's orchestra and has sung with many other big bands. She entertains at innumerable conventions hosted in Toronto.



Eddie Graf

From the big band nostalgia of the 40's to the rock and roll of the 60's, and up to today's disco and pop tunes, Eddie plays them all. His expert set in special arrangements, his wide variety of dance music, has led him to conduct some of the better urban clubs and to hotels.





An Incoite for the past 22 years, Vico Midena, a maintenance mechanic with the converter department of the Copper Cliff smelter, is an ardent sports enthusiast, and coaches hockey and little league baseball in his spare time. His wife Evelyn is a key punch operator with Inco's computer systems in Copper Cliff. Shown with their parents are daughter Donna, 13, and son David, 10.



From Port Colborne, this is the Bruno Favaro family. A payload operator in the anode department, Bruno enjoys travelling, managing minor soccer teams and playing an active roll on the executive of the Italian Mutual Benefit Society. His wife, Frances, occupies most of her time looking after the household but also enjoys travelling when the occasion arises. Children, from left, are Laurie, 22, Enrico, 20, and Lillian (Mrs. Robert Grobb).

Family Album



Gerry Lagrue has been with Inco for over 14 years and works as an operator at the Copper Cliff nickel refinery. In his spare time, Gerry is a volunteer fire fighter and also finds time to do carpentry work. Throughout the summer months, the entire family enjoys traveling and camping. That's Gerry's wife, Linda, along with daughter Tracy-Anne, 8, and son Neil, 5.



This is the Aime Desrochers family. Aime has been with Inco for over 14 years and is presently a maintenance mechanic helper with the matte processing department in Copper Cliff. He enjoys working around the house which he built back in 1969. The family takes a keen interest in gardening and camping on weekends. With his wife Joycelyne are daughters Julie, 18, Louise, 10, and Joanne, 15.



At the 1800 level of Stobie mine's training area, Mike Violette, left, learns the proper operation of a stoper from instructor Ivan Forgues.



Bill Collis, left, area manager, Frood-Stobie complex, and Milt Jowsey, right, assistant vice-president, mining and milling, look on while trainees Rheel Morissette and Mike Violette sign their applications for qualification record books.

First Graduates of Modular Drilling Program

Rheel Morissette, of Coleman mine, and Mike Violette, of Creighton mine, are the first two trainees to complete the company's total basic introductory driller program which uses the new "functional training" method of instruction.

The 15-module course covers the context of, and is compatible with, the profile of the "Common Core for Basic Underground Hard Rock Mining

Skills", which was prepared by a tripartite committee on training consisting of representatives from labor, management and the Ontario government.

Successful participants receive accreditation by means of a qualification record book issued by the Ministry of Colleges and Universities. The functional training system encourages learners to "self-

learn" by performing the job or operating the equipment, and the majority of training takes place functionally in an actual work atmosphere, rather than in a classroom.

All new hires in the mining area will receive this training, and all current underground employees will be given the opportunity to enrol in the program.

Trainee Rheel Morissette, left, becomes familiar with the jackleg drill, under the careful eye of instructor Armand Ruel. The photograph was taken on the 1800 level of Stobie mine where the mines training area is located.



Participating in the functional training program for diesel loaderman are, from left, trainee Don Giambattista, instructor Ed Tidd, and trainee John Pellerin. Rather than teach, the instructor organizes, controls and leads the learners through training.



Success Rate Most Encouraging:

Inco Metals Company and Local Steelworkers Union Offer Financial Counselling Program

A financial counselling program, sponsored jointly by the Ontario Division of Inco Metals Company and Local 6500, United Steelworkers of America, in co-operation with numerous social service agencies, was recently formed to provide a fully confidential credit counselling service to Inco families in the Sudbury District.

Primarily, the financial counselling is directed towards those with financial and other family concerns. Where required, referrals to social agencies are also made.

According to Ernie Hedican, a member of Inco's employee relations department who has been appointed to head the program for the Company, some 186 families have availed themselves of this counselling service to date.

"Our success rate has been very encouraging," says Ernie, pointing out that local banks and other credit institutions have been very co-operative and understanding following the 8½-month strike.

Randy Dussiaume, a crane operator in the Copper Cliff casting building, heads the counselling program for Local 6500, United Steelworkers of America. Like Ernie and Penny Earley Tough, director of the New Sudbury Community Centre who assists in budget planning, Randy is pleased with the service he has been able to render to those seeking his help. "A service of this type is long overdue," says Randy, adding that he would like to see more people being educated in money management. On the whole, Randy feels that a large majority of landlords, utilities, banks and lending institutions have been most fair in their dealings with Inco employees over the past few months.

The counselling program is headed by a committee of 10, with Warner Woodley, Wally Gretton, Dennis Wickie and Ernie Hedican representing Inco Metals Company and Dave Patterson, Ron MacDonald and Randy Dussiaume representing Local 6500. Also on the committee are Penny Earley Tough, director of the New Sudbury

Community Centre, Rev. Bill Major, of the Pastoral Institute of Sudbury, and Eileen Jackson, of the Sudbury-Manitowlin Social Services Council.

Inco employees interested in obtaining financial counselling may

contact Ernie Hedican, Inco Club, 64 Froid Road, at 675-1119, or Randy Dussiaume, United Steelworkers Hall, 92 Froid Road, at 675-2461. The service is confidential and free of charge.

Penny Earley Tough, left, of the New Sudbury Community Centre, Inco's Ernie Hedican, centre, and Randy Dussiaume, of Local 6500, United Steelworkers of America, review the financial status of an employee who came to seek their assistance.



Successful Reclamation of

The agriculture department's land reclamation program began very modestly back in 1917 when the old roast yards were filled in Copper Cliff. Over the years this area was graded, planted and maintained and now exists as the Copper Cliff Nickel Park.

After 1917, work was continued, mainly in areas within Inco townsites, as efforts were made to revegetate open areas with plantings of grass and trees.

Today, thousands of acres have been successfully revegetated and reclaimed in the Sudbury area, including plantsite grounds and highway corridors, with particular

emphasis placed, in more recent years, on the previously barren Copper Cliff tailings area.

The plan to improve the grounds at company properties was introduced in the '50's and continues today, with a series of future improvements planned for the next several years. As well, the company participates in the "Greening of Sudbury" project, which is aimed at improving the appearance of the main entrances to the city which, in turn, has great impact on travellers and tourists.

Attempts to stabilize the tailings areas near Copper Cliff began in 1947 when test plots were initiated

in the abandoned CD area.

Perseverance and experimentation led to the formulation of a successful planting program: grass was successfully introduced to the area in the '50's; seedling trees were voluntarily establishing themselves in the grassed areas by the '60's, and by the '70's, other natural flora and fauna were moving in. Today, more than 1,200 acres of tailings dustlands have been converted to fields of grass and legumes.

In 1976, through the co-operation of the Ministry of Natural Resources, the tailings area was designated as a Wildlife Management Area. And rightly so! Meadow birds, sparrow hawks, owls, marsh hawks, mice and insects are now in evidence; waterfowl and shorebirds have begun to stop over during spring and fall migrations, and some have even begun their broods in the area.

Commenting on the overwhelming success of the company's various reclamation projects, Tom Peters, Inco's agriculturist, expressed great pride in the agriculture department's accomplishments and specifically paid tribute to the enthusiasm of the individuals responsible for implementation of the programs. "They're a versatile group, well-motivated and determined to achieve maximum results."



Seasonal employees are kept busy all summer long, seeding, fertilizing, cultivating, and harvesting.



Major portions of the tailings area now boast grass, shrubs and trees, which has meant a return of insects, meadow birds, mice, waterfowl, and shorebirds.

Copper Cliff Tailings Area



Fine feathered friends! - Ducks have begun to raise their broods in the tailings area ponds.



Tom Peters, Inco agriculturist, examines the first crop of jackpine cones. Coniferous trees were introduced to the tailings area in the early '70's.



Joanne Burtulli and Carolyn Veccia of the agriculture department take a break near the revegetated section behind the superstack.

Nickel Consumption Is Back To Record Levels - Predicts Balanced Market Conditions For Remainder of 1979

The Triangle recently talked with Johannes P. Schade, Senior Vice-President, Marketing, Inco Metals Company, about the present status of the nickel market. Although cautious about sales predictions for the year 1980 and beyond, he is confident that the strategy developed by Inco Metals will ensure that the Company will retain its leading position world-wide as a nickel producer.



Johannes P. Schade
Senior Vice-President
Marketing
Inco Metals Company

The Triangle:

When can we expect the nickel market to boom again?

J.P. Schade:

Nickel consumption in 1979 will be back to the record levels achieved in 1974 and will probably be about nine per cent higher this year than in 1978. In particular, record production of stainless steel in Europe, the U.S. and Japan have increased demand. Other nickel-consuming industries such as the non-ferrous sector and the foundry industry were very busy in the first six months of this year, and they still report firm order bookings, reflecting increased spending on capital goods.

The Triangle:

Will the market continue to show strength?

J.P. Schade:

Although you read a lot of reports in the daily press about a recession, in particular in the U.S., we believe nickel consumption will hold up for the second half of 1979. We all know that capital spending and consequently primary nickel demand is of a cyclical nature - two-thirds of our nickel business is related to capital goods spending - but it usually declines after a downturn in consumer goods spending. It is, however, definitely too early today to give any meaningful predictions for 1980.

The Triangle:

How will nickel sales compare this year with 1978?

J.P. Schade:

Last year, Inco sold 377 million pounds of primary nickel, and our 1979 plans call for a substantial increase in that figure as the result of better market conditions. As you know, in the first six months we sold about 14% more nickel than in the corresponding period of 1978.

In 1979, sales of other Inco primary metals, in particular copper and platinum, were severely hampered by the labor dispute in the Ontario Division.

The Triangle:

What is the supply and demand picture for the balance of the year and going into 1980? Have we exhausted our stockpile?

J.P. Schade:

As previously stated, we expect a good business level in the second half of 1979, with worldwide supply and demand of primary nickel in approximate balance. Inco's inventories of finished nickel by the end of June 1979 were 104 million pounds, representing about three months of sales, a level which is normal, perhaps below normal for reasons of marketing logistics.



"We believe nickel consumption will hold up for the second half of 1979."

The Triangle:

Electro nickel is selling for \$3.05 (U.S.) per pound. Do you feel this a fair price or do you feel competition will drive prices lower as it did in 1977-78?

J.P. Schade:

I can not comment on the activity of competitors. What Inco's competitors do is entirely their business. However, when prices eroded in 1977-78 due to weak market conditions, excess producers' inventories and aggressive fights for market share, only a few producers showed a profit - unacceptably little - while many of our competitors were either at the break-even point or deep in the red.

The Triangle:

Consumer inventories are substantially reduced compared to a year ago. Do you foresee a sudden, overwhelming demand, perhaps shortage of nickel by the end of this year?

J.P. Schade:

It is not quite correct to assume that customers' inventories are low at present. In fact, according to our market research, consumers have increased their inventories from about six to seven weeks' demand by the end of 1978 to some ten weeks' demand right now. Fears of an even longer Inco strike and high levels of consumption have induced nickel customers in the first six months of 1979 to buy about 50 million pounds of nickel more than they needed. Additionally, international metal merchants speculating (rightly) on a higher nickel price, bought up approximately 30 million pounds of nickel in the same period. Consequently, with Inco back to pre-strike production levels, no shortage is expected later this year, but rather, balanced market conditions should prevail.

The Triangle:

What is Inco's world market share compared to twenty or even ten years ago?

J.P. Schade:

Inco supplies at present about one-third of the world demand of primary nickel, as compared with approximately 80% twenty years ago. Before anyone philosophises too much about this fact, however, let me add that it would have been impossible for Inco to hold that high participation in the world market in view of some fifteen new competitors in the nickel field and without straining its financial possibilities and depleting its ore reserves.

The Triangle:

A good deal of research has gone into increased cobalt recoveries due to higher selling prices. How will this affect Inco operations?

J.P. Schade:

We are indeed expending a lot of effort and money on improving the cobalt recovery from Inco sources. Cobalt has become a very crucial product as the result of the dependence of the western world on African sources which have proved to be unreliable. The cobalt producer price has gone up four-fold over the past eighteen months, and the industry is waiting for more western source material to compensate for the shortfall of African supplies. I would like to compliment both our Ontario and Thompson operations for making every effort to increase cobalt recoveries.



"It is too early to give any meaningful predictions for 1980."

The Triangle:

What is the status of the company's Guatemalan and Indonesian operations?

J.P. Schade:

Guatemala has resumed operations after a scheduled summer shut-down and is producing matte, in particular for our Clydach operations, and is running smoothly. PT Inco in Indonesia produces matte in two furnaces right now to fulfill the demand of our Japanese customers.

The Triangle:

How close are we to deep sea mining?

J.P. Schade:

Deep sea nodules undoubtedly represent an important source of nickel, cobalt, copper and manganese for future generations. Inco and its partners have shown in a pilot testing operation that it is technologically feasible to produce a continuous stream of nodules by means of a "vacuum system". When actual mining will start depends largely on the economics of such an operation and some rather significant legal and political questions being solved. Essentially, we do not believe there will be significant commercial seabed mining until after 1990.

The Triangle:

Do you view the corporation's future with cautious optimism or do you feel we are now in better control of our destiny in the world market?

J.P. Schade:

I am very confident that the strategy developed by Inco Metals Company will ensure that we are a healthy, dynamic and growing company and that we will retain our leading position as a nickel producer.

Discussing marketing strategy, from left, are Peter Salathiel, assistant to the Senior Vice-President, marketing, Neil Kemp, Director, market planning, copper and precious metals, and Johannes Schade.



Seven Years Later

"S" Rounds at the Port Colborne Nickel Refinery

It's been seven years since the production of S nickel rounds came on stream at the Port Colborne nickel refinery and, since then, the process has been significantly refined, resulting in a better product and an improved working environment.

Essentially, S rounds are produced by plating pure nickel containing a small amount of sulphur onto stainless steel blanks or "mandrels". Printing the mandrels with a special masking material, or "dielectric" coating, leaves a pattern of circular areas of stainless steel exposed, onto which the nickel is plated.


Improvements in mandrel preparation have taken place, reducing maintenance costs and resulting in a better quality product.

Other improvements include the addition of sound abatement devices in the stripping room, installation of safety devices for hooking the sheets onto a conveyor system and replacement of cranes with heavier models.

Many of the changes and improvements are due to the continuing efforts by the process technology department in an attempt to upgrade efficiency and safety. Others came about as a result of investigations initiated through the employees' suggestion plan.

A major breakthrough, which occurred in November of last year, saw the beginning of production of electrolytic nickel R Rounds. Smaller in circumference than the S rounds, they contain less sulphur and are about three times the thickness, at 3/8 of an inch.

Introduction of the R Rounds has kept Inco in a competitive position in the plating industry, by letting the company offer a wider range of nickel products to meet changing customer needs.



The S nickel rounds are popped off the sheet when the bar is hit with a pneumatic hammer, sending vibrations throughout the length of the sheet.



The ink is stripped off the sheets, or "mandrels" then recoated after approximately every six cycles in the plating tanks. Looking on is Ettore Guglielmi.



Mario Forte touches up the edges of a sheet after it has passed through an automatic printer. The pattern is applied by a silk screen printing process.



Rollin Pepin scrapes off any S nickel rounds or other plated material from a sheet before it is returned to the electrolytic plating tanks.



An improvement to the process for producing S nickel rounds is the mechanical cleaning of the sheets before the ink is stripped off.

PENSIONERS'DAYS



Pensioners Days Attract Largest Gathering Ever

According to George MacMillan, special functions co-ordinator, this year's Pensioners' Days attracted the largest turnout ever, with numerous Inco pensioners from the Sudbury district taking part in the well-organized, five-day event.

Following their registration at the Sudbury Inco Club, the honored guests were treated to coffee and donuts and then boarded their buses to tour the Copper Cliff Tailings Area and the newly commissioned Divisional Shops. Another tour took in the Froid-Stobie complex where a comprehensive display of modern mining equipment at Little Stobie mine drew a most favorable response.

Following individual tours, pensioners returned to the Inco Club for a tasty buffet lunch and then spent the remainder of the day recalling old times with former employees and friends.

A coffee mug, appropriately inscribed to commemorate the occasion, was a welcome gift to those attending the day's function.





Second draw prepares to tee off at the two-day Sudbury tourney, held early in August at the Idylwyld Golf and Country Club.

1979 Inco Golf

Sudbury team goes for President's Trophy



Hurly Hreljac, hoistman at Creighton mine, concentrates on his swing in a strategic sand trap.



Computer programmer Lenna Weatherill and computer program analyst Don Findlay take a moment to compare scores.

Hoping to improve his game, John Janakowski, stope leader at Levack mine, pauses to clean his favorite golf ball.



Lining up his putt is Ewald Prass, first class maintenance mechanic at Stobie mine.



Tourney- s on to win in Thompson



Manitoba Division president Charlie Hews, right, presents the President's Trophy to the winning Sudbury foursome - from left, Dale Peloquin, Michael Curry, Sid Segsworth, and Brian Crowder.

More than 240 golfers participated in this year's Inco Employees Golf Tourney, held the first weekend in August at Sudbury's Idylwyde Golf and Country Club. Second day of the affair saw the top eight low-gross players teeing off to determine the four members who would represent Sudbury in the eighth annual President's Trophy Tournament. At day's end, the two-day low gross went to Sid Segsworth (150), Brian Crowder (153), Dale Peloquin (154) and Michael Curry (155). A winner's dinner was held at the Copper Cliff Club, and the foursome then prepared to participate in the President's Cup, held August 18 at the Thompson Golf Club.

In Thompson, the Sudbury team shot a victorious combined total of 327 to win the coveted President's Trophy. Brian Crowder led the team with a 77, the lowest score in the 16-player tournament, and the President's Trophy was later presented by Manitoba Division president Charlie Hews. Port Colborne was just two strokes behind the winning team with a 329, followed by Thompson with a 330 and Toronto with 370.

The Port Colborne entry was made up of Bob Noyes, Gil Gagnon, Ken Burke, and John Bernard; the Thompson team consisted of Wil Holmberg, Wayne LeBlanc, Cliff Dohms, and Garth Jordan, while the Toronto group was comprised of Ron Lake, John Brema, Nelson Zelding and Dave McEachern.

Next year, the tournament will be held in Port Colborne.



The Toronto group participating in the eighth annual President's Trophy Golf Tournament was comprised of, from left, Ron Lake, Dave McEachern, Nelson Zelding and John Brema.

The Port Colborne team was just two strokes behind the winners, with a combined total score of 329. From left are John Bernard, Gil Gagnon, Ken Burke, and Bob Noyes.





The Johnstons - front row from left, mom Catherine, Ted (now deceased), Allen, Marilyn, Grace, Bill jr., Bob, Bill sr. Back row, from left, are Don, Art, Wilfred, David, Ian, Richard, Debby, Carolyn, and Douglas.

Family Face-Off

When the Johnston brothers - all 10 of them - get together for a little family sport, you can bet your boots - or blades - that they'll be gathering on an ice surface for a challenging game of hockey.

Which is easier said than done, considering the fact that the boys are scattered from Halifax to Ottawa and from Toronto to Chelmsford, with Bill jr., a chemical operator in the Copper Cliff copper refinery's electrowinning department, representing the brothers in the Sudbury area.

Ranging in age from 19 to 41, the Johnstons began to polish their skills as a family hockey team back in the '60's, in Halifax, Nova Scotia. Then, when the brothers began to leave the east coast for more promising employment opportunities, they toyed with the idea of a family reunion staged around a sports activity - preferably hockey, because the wintertime sport would make it easier for them to all vacation at the same time.

The first scheduled hockey game took place on Easter weekend in 1975, between Nova Scotia's CHNS

radio hockey team and the Johnstons, with the brothers winning 13-0. Next game was arranged for Toronto in 1976, against the Toronto Sun newspaper; the Johnstons lost 7-5 but felt they were playing better as a team. A family picture taken that year proved to be the last one to



Goalie Bill Johnston jr. lives in Chelmsford and is a chemical operator in the electrowinning plant at the Copper Cliff copper refinery.

capture all brothers, for 40-year-old Ted fell victim to cancer in the spring of 1977. While the brothers felt they couldn't play again as a team, they decided to organize a memorial game, and since then have been playing for charity, with proceeds going to the Canadian Cancer Society.

Talk resumed about a yearly get-together, and, in '78, the Johnstons won 5-2 against the Edmonton Forces Oldtimers.

This year, for the Johnstons, it was a hard-packed three-day hockey weekend, resulting in a 5-1 win against the Toronto Sun; a 6-4 win against the C.F.B. Ottawa South team, and a 9-3 win against CFRA radio station Ottawa.

The win over the Toronto Sun resulted in the Toronto team insisting on a rematch, which has now been arranged for November 3 at the Halifax Metro Centre. And plans are now underway for the Johnston brothers to come to Sudbury in the spring of 1980 . . . provided Bill can find a team to play against. Any takers?

Record Attendance:

Sudbury Attracts 550 Delegates To Annual Metallurgical Conference

A record attendance of some 550 delegates from throughout Canada, the US and overseas was recorded during the 18th Annual Conference of Metallurgists, held recently at Sudbury's Laurentian University.

Sponsored by the Sudbury Branch of the Canadian Metallurgical Society, delegates participated in the four-day technical sessions, covering topics as varied as the risks of nuclear plant failure to financial and social impacts of pollution and environmental control.

Numerous delegates took the opportunity for in-depth tours of operations at Inco, Falconbridge, Agnew Lake and uranium extraction plants at Elliot Lake, viewing some of the finest metallurgical facilities in the world.

While technical sessions were in full swing, wives and children of delegates enjoyed their own program, blessed with three days of beautiful, late summer weather. The ladies were treated to underground mine tours at Copper Cliff South and Frood-Stobie mines, a luncheon held at the Copper Cliff Club, a day on the town and a visit to beautiful Lake Penage. In the meantime, the children were occupied in an indoor recreation program, sponsored by the athletic department of Laurentian University.



Tom Antonioni, superintendent of furnaces, Copper Cliff smelter, explains the workings of a flash furnace to this group of interested delegates.



Dr. Walter Curlook, left, senior vice-president, Inco Metals Company, in conversation with E.H. Caldwell, CIM president, centre, and Dr. Peter Tarasoff, manager of Noranda's engineering division. Dr. Curlook was the recipient of the coveted Airey Award during the latter part of the conference.



Checking the itinerary of the four-day conference are, from left, Conference vice-chairman, Larry Seeley, Gordon Skilling, CIM executive director, E.H. Caldwell, CIM president, and Dr. David Huggins, manager, process technology, Copper Cliff, and newly appointed president of the Metallurgical Society, CIM.

Delegates took a keen interest in viewing Inco's superstack along with its intricate monitoring equipment. Tours also covered operations at Falconbridge, Agnew Lake and Elliot Lake.

The registration desk at Laurentian University was a hub of activity as the symposium attracted specialists from all over the world. Next year's conference is scheduled for Halifax.



APPOINTMENTS . . . APPOINTMENTS . . . APPOINTMENTS . . .

Barbara Ackland, general clerk, interviewing, Copper Cliff

Ron Aelick, mine foreman, Creighton mine

Omer Bellmore, transportation foreman, transportation department, Copper Cliff

Sandra Benham, senior purchasing clerk, purchasing and warehousing, Copper Cliff

Diane Binkley, computer operator, Copper Cliff

Donald Brickett, fine copper foreman, Copper Cliff copper refinery

Brent Burchell, capital expenditures analyst, division controller's office, Copper Cliff

Glen Burns, senior utility engineer, Copper Cliff smelter

Ray Campbell, Harison foreman, Copper Cliff mill

Tommaso Cianfione, flotation foreman, Copper Cliff mill

Richard Cleland, safety foreman, Creighton mine

Leo Corradini, superintendent of utilities, IQAP

Mary-Ann Dikran, maintenance clerk/steno, Copper Cliff smelter

Jo-Anne Eldridge, clerk-stenographer, Copper Cliff central shops

Shirley Erilla, clerk-steno, Copper Cliff nickel refinery

Lorna Fleury, stenographer, personnel, Sudbury

Lillian Fraser, senior accounts payable clerk, Copper Cliff

Raymond Frenette, dewatering foreman, Copper Cliff mill

Fred Gillett, superintendent, process technology, mill, Copper Cliff

Steve Gorecki, programmer, computer systems, Copper Cliff

Leonard Hanna, shift foreman, matte processing, Copper Cliff

Robert Hay, shift foreman, IQAP, Copper Cliff

Ernest Hedican, industrial relations assistant, employee relations, Copper Cliff

Richard Hobden, shift foreman, matte processing, Copper Cliff

David Hryciw, shift foreman, matte processing, Copper Cliff

Conrad Jarrett, surveyor, mines engineering, Coleman mine

Brian Kane, contract administrator, engineering, Copper Cliff

Stan Keckes, process assistant, process technology, IQAP

Harry Laamanen, draftsman, Copper Cliff central shops

Richard Lalonde, dewatering foreman, Copper Cliff mill

John Lambel, process foreman, Copper Cliff smelter

Edward Lew, dewatering foreman, Copper Cliff mill

Charles Linham, maintenance superintendent, matte processing, Copper Cliff

Shelley Machum, financial analyst, division controller's office, Copper Cliff

James Mainprize, process supervisor, IQAP

Guy Mallette, superintendent of utilities, Copper Cliff smelter

Cheryl Massey, computer operator, Copper Cliff

Enzo Massimiliano, surveyor, mines engineering, Frodo mine

Fred Moulaison, shift foreman, IQAP

Barry Nicholson, mine engineer, Coleman mine

Denis Noel, process assistant, process technology, IQAP

Donald O'Brien, survey party leader, Leveack mine

Dario Pagnucco, senior draftsman, engineering, Copper Cliff

Rita Paquette, technical services clerk, computer systems, Copper Cliff

John Perello, shift foreman, IQAP

Robert Ross, safety foreman, transportation, Copper Cliff

Terry Sassaville, process assistant, process technology, IQAP

Marvin Saunders, senior specialist, non-destructive testing, maintenance, engineering, Copper Cliff

Edwin Skene, supervisor, building cost control, mines engineering, Copper Cliff

Bliff Steenburgh, section leader, matte processing, Copper Cliff

John Tricco, process supervisor, IQAP

Klaus Truderung, maintenance general foreman, IQAP

Ervin Tubman, mill general foreman, Copper Cliff mill

Joyce Vallier, clerk-stenographer, environmental control, Copper Cliff

Vladimir Venacek, mill foreman, Copper Cliff mill

Gordon Winch, plant protection officer, Copper Cliff

Roland Wing, capital expenditures analyst, division controller's office, Copper Cliff

Colin Wright, plant protection officer, Copper Cliff

Glenn Young, laboratory service coordinator, process technology, Copper Cliff

Port Colborne

Tom Christoff, general foreman, electrical services

Peter Garritsen, assistant to the manager, Port Colborne nickel refinery

Roger Jacques, non-worker foreman

John Lennie, general foreman, ENR maintenance

Douglas MacVicar, superintendent, No. 3 Research Station

Leigh Scott, general foreman, central forces shops, construction and field forces

John Sojda, tool metallurgist, process research stations

Ken Staples, general foreman, utilities and maintenance services, waste, shipping and shipping equipment

co in the mmunity

There are many organizations in Sudbury that are dedicated to helping the community. Some of these organizations are listed below. If you are interested in learning more about any of these organizations, please contact the Sudbury & District Children's Aid Society at (705) 526-1111.

• Sudbury & District Children's Aid Society • The Warren Agricultural Society • The Sudbury Boy Scouts Association • The Idylwylda Golf and Country Club • The Sudbury Community Club • St. John's Ambulance • Sudbury's Save The Boat People • St. Charles Agricultural Society • The Sudbury Region Disaster Relief Fund • CNIB • The Sudbury Red Cross • Telecare • The Copper Cliff Highlanders

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



The team theme of the Copper Cliff South mine safety program is proudly displayed in these two photographs of two of the many crews who, through their individual efforts, have achieved a medical aid injury-free record. The top photograph shows, front row, from left, mine foreman **Del Riskie**, **Lauri Kivi**, **Ron Hebert**, **Valde Jutila**, **Bill Halman** and **Ray Valiquette**. Second row, **Esko Rouvinen**, **Paul Paasila**, **Leroy McLeod**, **Roy Warren**, **Wayne Friel** and **Wayne Kennedy**. Back row, **John Daley**, **Andy Sampson**, **Ray Salo**, **Garry Slessor**, **Fred Elliott**, **Peter Dugay** and **Jim Gamey**. Bottom photo, front row, from left, **Bob Tremblay**, **Bob Courtemanche**, **Mike Cote** and **Don Martin**. Second row, **Rene Fournier**, **Bob Langdon**, **Gerry Laurin**, **Spencer Sutton** and **Ray Lacey**. Back row, mine foreman **Bill Turpeinen**, **James McVey**, **Roland Poulin**, **Chris Pollock**, **Jean Beaulieu** and **Walter Rossman**.



From this location near the Clarabelle tipple, transportation and traffic personnel are responsible for the movement of all Inco trains and the interchange between CP and CN railways. On a 24-hour, seven-day schedule, **Mel Ross**, recently appointed train dispatcher, is part of the team directing a safe and efficient rail operation which handles raw materials, products for market, supplies and services to and from all mines and plants in the Sudbury district.



Several projects are currently under way to enhance the appearance of the Port Colborne nickel refinery. One of these is the creation of berms and hills establishing a visual barrier between parts of the plant and the surrounding environment. **Chuck Keith**, of the engineering department, surveys the progress of work at the north end of the refinery facing Durham Street. The berms are complete except for the planting of trees that will make the visual barrier even higher.

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



Russell Powell, left, a member of the office services staff at Inco Limited, Toronto, proudly displays a photograph of the late Hon. John Diefenbaker which recently appeared on the cover of the *Globe and Mail's Broadcast Week Magazine*. Russell took the picture in November, 1977, when the former Prime Minister visited Toronto. Looking on is **Michael Scott**, Director of Communications, Inco Limited.



Dave Huggins, left, manager of process technology, Copper Cliff, and newly-appointed president of the Metallurgical Society, CIM, compares notes with **Bob McDonald**, general foreman, Copper Cliff smelter, and chairman of the registration committee for last month's Metallurgical Conference. Members of the local organizing committee, according to Dave and Bob, are indeed pleased with the overall success of the symposium. It will be held in Halifax next year.



The prototype of an **experimental greenhouse**, 10 feet wide and 20 feet long, is being constructed adjacent to the Copper Cliff South mine underground air exhaust system. Funded by the **Regional Municipality of Sudbury** and **Inco Metals Company**, the greenhouse will utilize mine ventilation air as part of its heat requirement. Expected to be in operation by mid-October, it will be used to grow tomatoes, cucumbers and other experimental crops.



That's **Joan Soler**, secretary for the engineering and purchasing departments at the Port Colborne nickel refinery, misting the leaves of the large split-leaf philodendron plant that decorates the hall near her office. Joan has been caring for the plant since 1972 when it was only 18 inches high. It now stands well over six feet and is still growing. There are some two dozen smaller plants on the second floor of the main office building that she also cares for.

Logo Writer



This month's logo writer is **Jerry Bradley**, an Incoite with over 32 years of service to his credit. A transportation foreman with the transportation and traffic department in Copper Cliff, Jerry is responsible for the training of operators and the safe and efficient operation of over 60 front-end loaders, cranes, haulage trucks and other assorted equipment throughout Inco plants in the Sudbury area.

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



Angelo Cassolato, on temporary transfer to the transportation and traffic department in Copper Cliff, is one employee who appreciates the value of safety glasses. Only five days on his job, Angelo was hammering tie plates from under a rail when a piece of slag flew up and shattered the right lense of his prescription glasses. Says Angelo, now a member of the Wise Owl Club: "You'll never catch me on the job without my proper eye protection."

Everyone Welcome
Copper Cliff Mines Association
Annual Retirement Party
Saturday, October 13, 1979
Caruso Club - Sudbury
For further information, contact the
Copper Cliff South Mine Office, 682-0602



Dr. Walter Curlook, senior vice-president in charge of production, Inco Limited, was honored recently by the Metallurgical Society of the Canadian Institute of Mining and Metallurgy during its 18th Annual Conference, held at Laurentian University. During the annual conference banquet, Dr. Curlook was presented with the 1979 **Alrey Award** "in recognition of highly significant contributions to the advancement of metallurgy in Canada in the industrial field." **Dr. Dave Huggins**, newly-elected president of the Metallurgical Society and manager of Inco's process technology department in Copper Cliff, noted that Dr. Curlook had been instrumental in the development of such Inco technology as fluid bed roasting, oxygen smelting and contributions to carbonyl nickel refining. Proudly posing for The Triangle photographer following the presentation ceremony are members of the Curlook family, from left, wife **Jennifer**, Dr. Curlook, **Michael**, **Andrea** and **Paul**. Daughter Christine was missing when the photograph was taken.



The **Henry Dunn Sports Complex**, which lies on land donated by Inco Metals Company, is now officially open at the extension of LaSalle Boulevard. The inaugural ball game saw action between the Sudbury Shamrocks and the Toronto Leaside Club. The complex is bigger in dimensions than many of the major league parks and, when fully completed, will be one of the most modern facilities in Ontario. According to **Bill Prince**, paymaster, staff payroll, and one of six umpires for the first ball game, the facilities will far surpass many other parks. Eventually, there'll be tennis courts, a little league park, major fastball diamond, slow pitch field, jogging track, and even cross-country ski trails.



The Chelmsford Golf Club was the setting for the 2nd Annual Transportation and Traffic Department golf tourney, attended this year by a full slate of golfing enthusiasts. According to **Ray Sasseville**, the driving force behind this year's event, an excellent time was had by all, with plans already under way for next year's meet. Posing for The Triangle photographer following the day's competition are, front row, from left, last year's winner, **Dale Brown**; this year's overall winner, **Art Kennie**, and **Ray Dubreuil**, winner of the "Brass Bell Trophy." Back row, from left, **Frank Thompson**, **Connie Bertrand**, **Nelson Chalut**, **Wes McNeice**, **Allan McNeice**, **Brian White**, **Mike Mayer**, **Harry Dubreuil** and **Stan Murray**.

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



A 41,500 lb. shipment of nickel pellets recently left the Copper Cliff nickel refinery by tanker trailer, with 13,500 lbs. loaded in each of its three holding tanks. Actual loading from the main loading bin took less than 30 minutes. According to shipping foreman **Joe Nicholls**, this is the first time nickel pellets have been shipped by tanker; usually, pellets are transferred via drums or 100-ton railroad cars.



Inco tours in Copper Cliff have taken a noticeable upswing during August, with visitors from far and wide touring Inco installations in ever increasing numbers. The season's 6,000th visitor, **Hayden Soule**, left, of Orono, Maine, was recently presented with a polished nickel copper pen set by **Morry Brown**, director of public affairs, Inco Metals Company, Ontario Division. A teacher of engineering at the University of Maine, Mr. Soule, along with his wife and two children, was impressed with the informative tour which took him to the Copper Cliff South mine hoistroom, the Clarabelle mill and the Copper Cliff smelter. Looking on, centre, is **Larry Carriere**, of the Creighton mine engineering department.



Following an informative tour through the Copper Cliff smelting complex, members of this distinguished group posed for The Triangle photographer in the smelter's main control room. From left, **Tom Antonioni**, superintendent, furnaces; **Neil Smith**, Senator **Rheel Belisle**, **Ron Brown**, assistant to the president, Ontario Division; **John Becker**, South African ambassador to Canada; **Vaughn Dewing**, South African Consul; **Fred Pagnutti**, **Frank Singer**, inspector, Sudbury Regional Police, and **Bob Neal**, manager, Copper Cliff smelter.

Port Colborne Winners



Ed Hobbs
\$190 Award



Roger Laporte
\$155 Award

Suggesting the installation of additional ink stripping tanks in the mandrel preparation area of the nickel rounds building paid off for **Ed Hobbs**, of the electrolytic nickel refining department of the Port Colborne nickel refinery. He was awarded \$190 for his idea. Another Port Colborne employee, **Roger Laporte**, of the mechanical department, picked up \$155 for suggesting a more efficient and safer method of slotting anode bars.

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



Congratulations to **Emile Tranchemontagne**, left, and his brother **Ronny**, a welder and maintenance mechanic, respectively, at Levack West mine. The brothers have just completed a combined total of 43 years of injury-free service, with Emile chalking up 18 years and Ronny reaching the 25 year mark.



That's **Tom Antonioni**, left, congratulating foreman **Morris Ouellette** and his crew of the Copper Cliff roaster department for working a total of 735 days without a lost time injury. The Triangle takes great pleasure in adding its congratulations.



Excellent weather, outstanding food and refreshments, along with top-notch conditions at the Onaping Golf and Country Club all combined to make the 7th Annual Sudbury Branch CIM Golf Tournament a resounding success. The tourney saw 165 golfers play in morning and afternoon draws for numerous valuable prizes. Larry Wagner, of Falconbridge Nickel Mines, was the low gross winner for the day with an enviable score of 72. Top, left, **Merv Dickhout** checks the day's lineup with **Choon Park** and **George Reed**. Comparing scores in the photograph at top right are, from left, **Ray Mantha**, **Don Landrie**, **Dave Townsend** and **Bill Day**. **Walter Lalonde**, far left, is telling his partner, **Don Marynuk**, that he is trying to get his score equal to his weight. At right, **Will Digby**, left, prepares his dinner plate, complete with mouth-watering steak and fried onions, while **John Spec** comments that he consistently breaks 80 - if you don't count the putts.



Movies Underground:

South Mine Employees Get First-Hand Info On Electrical Installations

When it comes to promoting safety, leave it up to Copper Cliff South mine employees to come up with innovative ideas. While the promotion of safety is of foremost importance at all Inco mines and plants, a rather novel way of showing employees the proper way of performing their daily duties was recently instigated.

Following a South mine OSHE committee meeting, Greg Nault, a first-class electrician and a member of the committee, suggested that appropriate films be made available as a training aid to emphasize the danger of unauthorized entry into electrical areas, such as switchrooms.

The OSHE committee quickly accepted Gregg's suggestion and soon had two films available for general viewing. Along with driller Ray Fortin, a 32-year Incoite who acted as projectionist, Greg arranged to show the films to all South mine employees, both on surface and underground.

According to mine superintendent Bill Moffatt, the purpose of the showing was to stress the dangers of electricity to all employees so that care and caution are exercised near electrical power installations. The importance of following warning and informational signs was also stressed.



First-class electrician Greg Nault, left, a member of the OSHE committee, looks on as driller Ray Fortin readies the projector for an underground showing.

In the underground lunchroom, one crew gets set to view the safety film following a short introduction. Greg assisted in fielding the numerous technical-type questions after the showing.



International Year
of the Child 1979



L'Année internationale
de l'enfant 1979

Don't forget there's
still time to enter
the IN Touch
pensioners'
photo contest



Details of the contest were announced in the Summer issue of IN Touch. First prize will be a 22-karat, gold proof coin. All entries must be postmarked no later than October 31, 1979.