

The Triangle



FEBRUARY 1974

Corporate

The Triangle

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On the cover . . .

There are 5,000 good reasons why Onney Belanger should be receiving the royal treatment from his family, and one very good reason for using the cover to show them in the act — dad's the first winner of the maximum suggestion plan award — \$5,000! Onney looks a little surprised in the picture. He's not really — he's just wondering what all the fuss is about — he's a very modest fellow. Inside you'll find out what the suggestion was, and also learn the identity of the signer of this month's cover logo.

February 1974 Volume 34, Number 2

Published for employees by the Ontario Division of The International Nickel Company of Canada, Limited, Copper Cliff, Ontario, P0M 1N0. 682-0631

Prints of most photographs appearing in "the triangle" may be ordered direct from: Rene Dionne, 170 Boland Ave., Sudbury. Or call: 674-0474. Cost: \$2.50 each.



L. Edward Grubb elected chairman, continues as chief officer of Inco.



J. Edwin Carter elected president.

L. Edward Grubb has been elected chairman and J. Edwin Carter, president of The International Nickel Company of Canada, Limited, effective February 1, it was announced January 7 following a meeting of the company's Board of Directors.

Mr. Grubb, who has been president and chief officer of the company since April, 1972, continues as chief officer. He will become chairman both of the Board of Directors and of its Executive Committee.

Mr. Carter, who succeeds Mr. Grubb as president, has been executive vice-president since April, 1972 and a director since February, 1973.

Albert P. Gagnebin, chairman of the Board and the Executive Committee since April, 1972, reaches mandatory retirement age at the end of January. Mr. Gagnebin, who is also a former president of the company, continues as a member of the Board of Directors.

Election of Charles F. Baird, John McCreedy and Dr. William Steven as



Albert P. Gagnebin retires as chairman of the Board, continues as director.

Young sparks

Improving yourself professionally is one thing, but getting paid to do so makes it even better, as about 85 Inco electrical apprentices are discovering.

They are participating in a two-year course held at Cambrian College under the instruction of Inco pensioner Charlie Ross. The course is required by both the company and the province for apprentices to earn their electrician's papers.

While the class is open to the public, it is populated mainly by Inco employees, who are paid at their regular rate for half their classroom hours.

With their course diploma and 8,000 hours of practical experience (equivalent to four years), the apprentices become full-fledged maintenance electricians.

The 30 members of the first-year class and 54 second-year students all receive the benefit of Charlie's experience. He was chief electrician at North mine before moving over to the mines planning department shortly before retirement. Charlie has been teaching the course since 1967, when he started the assignment on a part-time basis while still employed at Inco.



Practical experience backs up the theory presented in the four-semester course. Paul Hogan (left) works at Clarabelle Open Pit, while Dave Jones (centre) is at Creighton No. 9 shaft. Helping them run a test on a direct current generator is Danny Hull of Levack mine.



Charlie Ross (right), former North mine chief electrician, lectures an attentive class of second-year students at Cambrian College. Mainly Inco apprentices, the class is working towards a diploma in electrical maintenance necessary for their electrician's papers.

PEOPLE

At Port...

Employees at the Port Colborne nickel refinery have been cautioned not to rush out for an eye examination. That's not Sherlock Holmes reporting for work on his bicycle, but Lenny Richards, an instrument technician with process technology. Lenny scoots to and from work each day, unworried by any talk of a gasoline shortage.

In August 1971, he decided to sell his second car and bought a used bicycle for \$20.00 figuring it would be cheaper to operate and would give him some exercise to boot. How right he was. His only expenditure to date has been \$1.79 for a new, unstudded tire ("that was ruddy expensive mate"). To the best of his knowledge, he hasn't missed a day riding it to work.

Since the 1971 purchase date, "through rain, sleet or snow, Lenny's on the go" has been his motto.

His wife, Olive, is secretary of the Port Colborne branch of the Niagara District Health Unit. They both enjoy curling and golf. Born in England, Lenny came to Canada and Port Colborne in 1957. He started with Inco soon after his arrival.



Port Colborne nickel refinery protection officer Steve Czerlau with raised eyebrows as process tech's Lenny Richards pedals his way to work through the snow.



Stan Alary, Inco's Sudbury area top blood donor, gives his 76th pint. Testing before the blood letting is Red Cross technician Judy Holmes.

...At Copper Cliff

According to Sudbury Red Cross records, Creighton mine foreman Stan Alary is Inco's Sudbury area top blood giver. Since he made his first donation at St. Joseph's Hospital back in 1939, Stan has parted with 76 pints of life-giving blood. Regular as clockwork, Stan checks in at the Red Cross headquarters on Drinkwater Street in Sudbury once every nine weeks. They don't have to call him — he just arrives. Administrator of the Red Cross centre, Mrs. Myrna Faddis, tells us that "we all love him — and wish there were more like him."

BATTLE

At the Port

"Moe" Walker. A Port employee since 1938, "Moe" was an anode department foreman and suffered a fatal heart attack in 1973.

A charter member of the Port Colborne Division of St. John Ambulance when it was formed in 1946, "Moe" was elected Corps Officer in the Welland County Corps in 1968, and as an active instructor and examiner contributed his services unstintingly in the field of first aid to both the community and to Inco. Made by Arnold Pichete, the trophy was provided by the men of the anode department with whom "Moe" worked.

Representative teams from the mines will meet February 12 in competition for the Mutz Trophy, while their counterparts from the reduction plants meet February 14 in competition for the Finlayson Trophy.

The two finalists will meet at Sudbury's Inco Club on March 7 at 7:30 p.m. to battle for the Parker Shield. Mutz and Finlayson Trophy competitions will begin at 9:00 a.m., also at the Inco Club.



Port Colborne pensioner Jim Walter (second from right) presented the H. W. Walter memorial trophy to the plant's top first aid team of (from left) Les Petrus, Archie Ferguson, captain Marcel Desmarais, coach John Koval, Barry Bilner and Harley Kramer.

The section "B" competition set at Port Colborne with "B" shift first aid team on the floor. Judges were Copper Cliff's Don Nerpin and Jackie Phillips. Scene — a logging camp accident, with a hunting party in charge.



"B"

At Levack



At Levack and under careful scrutiny by judge Ken Glynn and timekeeper Tom Talbot, Levack mine first aid team captain Al Wieman and Doug Donovan apply their knowledge on casualty Rene Tessier.

One first aid team from each Ontario division mine and plant is now a step closer to competition for the R. D. Parker Shield, emblematic of paramount first aid skill within the division.

Section "B" competitions in the Sudbury area began at Levack on January 12 where two teams battled for the Dave Lennie Trophy, with fast-paced action focussed on the third week of the month, when competitions were held at various localities almost every night.

Port Colborne nickel refinery's "B" competition took place in the Port Colborne Employee's Recreation Club on January 17 with three teams involved in contest for the H. W. Walter Memorial Trophy. Victor of the fray was the mechanical team with "B" shift in second spot, just a nose ahead of "C" shift.

A new award, the Maurice Walker Memorial Trophy for the Port Colborne nickel refinery section "B" competition runner-up was presented to the "B" shift team by plant manager Bob Browne and Mrs. Verna Walker, the widow of Maurice



Levack area manager Milt Jowsey (third from left) presented the Dave Lennie Trophy to Levack mine's top first aid team of (from left) John Boudreau, Mike Gillis, captain Al Wieman, Bill Gorham and Doug Donovan. Reg Mathias was the team's coach.

From an original membership of over 1,800, including ladies privilege cards, children's permit cards and associate members, the present total is somewhere near the 800 level. The facilities are there to be used each weekday from Monday to Friday. Elmer Somers, the steward, or Mrs. Irene Grabell are in attendance from 8:00 a.m. to closing. They're only too happy to cater to every whim and no group is too big or too small to be fitted into the recreation program.

There's plenty of prime time available for your group — take action now and get busy on that exercise kick. It'll not only be fun but healthwise it can't be beaten. In spite of the sharp increase in the cost of living, prices for the varied activities haven't changed that much. Want to bridge that generation gap? Bring out the whole family on Friday nights for some fun and frolic. You'll be glad you did for a family that plays together, stays together!



In the mixed five pin bowling league Flo Bazinet heaves one down the alley. Flo is the wife of pensioner Leo Bazinet.



With his eye glued on the "bird", Lloyd Goss of the sample gang prepares to smash one over the net during a doubles game with partner Jimmy Kocsis from the mechanical department.



Well lit and with a hardwood floor in excellent condition, the club's auditorium cum gymnasium is 96 feet long by 60 feet wide, with lots of headroom for those high-flying "birds".



Lining up a critical shot in the club's pool room is metals clerk Bryan Ferrell watched by opponent and senior payroll clerk Alex Felhazi. They play during the noon hour lunch break.

Steward of Inco's Port Colborne employees' recreation club since 1961, Elmer Somers will be remembered by some members of the Copper Cliff Club, he was assistant steward there from 1958 to 1960.





"The old master" of the club's men's ten pin bowling league, anode department foreman "Jiggs" Concessi in action.

Playtime

The employees' recreation club at the Port Colborne nickel refinery was officially opened during the weekend of December 18 to 20, 1937.

A constellation of outstanding stars attended from distant points to show their prowess and launch activities in the various departments of the club. The late E. C. Lambert, works auditor at the refinery at that time, was mainly responsible for getting approval to build the club and served as its first president and organizer "par excellence."

Except for a few modifications, the club remains much the same today. An auditorium-gymnasium, 96 feet in length by 60 feet in width, provides ample space for four badminton courts and two basketball courts, while an annex houses four bowling alleys. There are billiard and reading rooms, table tennis, reception rooms, lockers and showers for both men and women, and full kitchen facilities plus a canteen.



The Port Colborne Operatic Society at the club currently rehearsing "Annie Get Your Gun". Elaine Brown has the part of sharpshooter Annie Oakley. The show will run from March 1 to the 9th.

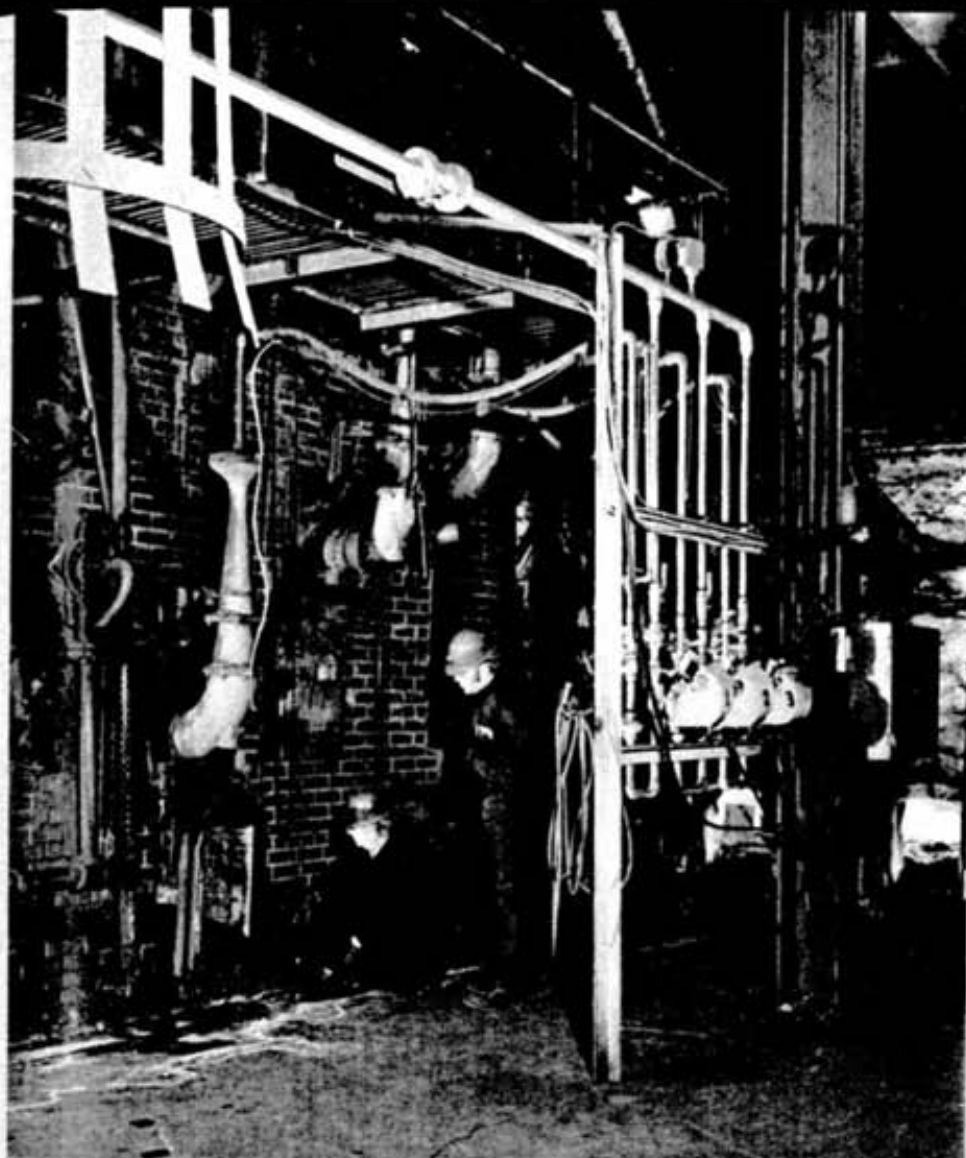
Looking very much the same as it did 37 years ago, the Port Colborne employees' recreation club was officially opened for use during the weekend of December 18, 1937.



Some of the members of the anodes "B" shift and shops teams in the club's ten pin bowling league keep a sharp eye on score-keeper, Gary Hurst.

An energetic bunch rattling the pins on the club's four alleys. At right, "Jiggs" Concessi has bowled at the club since it was officially opened in 1937.





Senior utility engineer for the Copper Cliff smelter, Charlie Dampier (left), inspects one of five waste-heat boilers there. Heat from a reverberatory furnace (at right) vaporizes water in the boiler for building heat. Looking on is stationary engineer Daryl Glenn.

The current energy crisis has stunned a disbelieving world into desperate steps toward energy conservation. But it didn't catch Inco unaware . . . we've been conserving energy to some extent for more than 30 years.

There's an awful lot of heat generated in the reverberatory furnaces in the Copper Cliff smelter — about 2,100°F. And there's also a lot of heat generated in the fluid bed roasters at the iron ore recovery plant — about 1,400°F.

And in both places, that heat is used, not only in the process, but in the production of steam. Steam for heat and

power. Steam for use in the processes. Steam for energy.

Using steam from the waste heat boilers at the iron ore recovery plant, the powerhouse there generates about half the electrical requirements of the plant, with a capacity for about 13,750 kilowatts per hour, enough to supply the energy requirements of a city having a population of 20,000.

At the smelter, waste heat boilers first installed in the 1930s aid in the heating of the Copper Cliff complex. The heat exchanger steam coils in the general office building hold steam at

about 300°F and heat the building at about one-third the cost of a conventional heating system, which would consume fuel to heat water and produce steam.

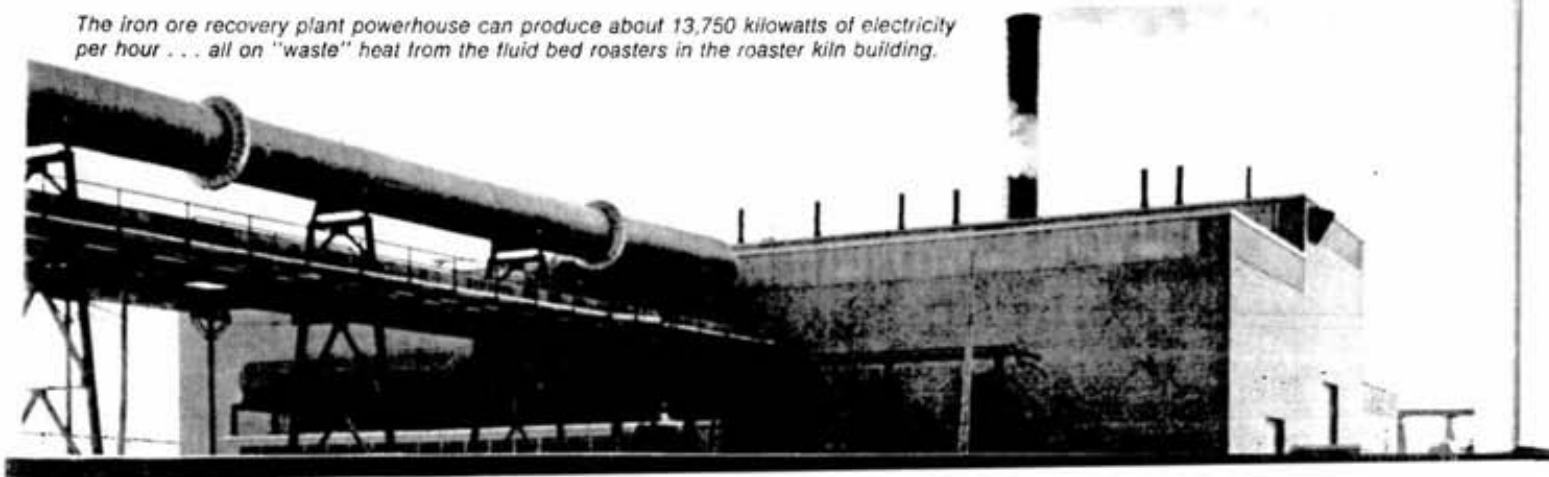
At both locations, the system is basically simple. Water passes through the boilers in a number of tubes and is heated by the waste heat from the furnaces. Most of the steam at the smelter is piped to the buildings for heat, a function of only part of the steam at the IORP. Most of the steam there powers turbo-generators that produce the electricity, but some steam at both plants is used in processing.



Six waste-heat boilers at the iron ore recovery plant develop steam, using heat from the fluid bed roasters, for plant heating and electricity — enough to power a city having a population of 20,000.

Recycled energy

The iron ore recovery plant powerhouse can produce about 13,750 kilowatts of electricity per hour . . . all on "waste" heat from the fluid bed roasters in the roaster kiln building.



Family Album



Leo Chaput is happy that one of his sons is also with Inco. Denis, who is 19, works at the nickel refinery. Here with his wife Rolande are Claude, 18, Andre, 16, Denis and Gisele, 9 in the centre. The Chaputs live in Blezard Valley and Leo is a stope leader at Frood.



These five youngsters make up the Cardinal family. Their dad Connie works in the tankhouse at the copper refinery. Next to him in this picture is Kevin, who is 11, then Diane, 9, Keith 8, and his wife Betty. Kneeling are Sherry, 7, and Chad, 6.

This is the family of Port Colborne nickel refinery shearing department operator Albert Kerekes and his wife Pearl. Czechoslovakian by birth, Albert came to Canada in 1937. Their youngsters are Bev, 19 and Ernie, 14.



Norman Quesnel works with the transportation department at Copper Cliff but still lives in Coniston having worked at that plant earlier. He is pictured here with his wife Lillian and sons Gary, 7, and Robbie who is fast approaching five.





After a day of staking in a remote area, Vance and Blaine mark and tag the final stake of the day before being lifted off and returned to base by the helicopter that dropped them in the area early in the day. Behind them is veteran Dominion Pegasus pilot Len MacTaggart.

A 1901 study of one of the Sudbury area pioneer prospectors, Thomas Baycroft. Legend has it that he developed the prospect instinct to such a degree that he could literally "smell" ore. Lacking the sophisticated equipment seen elsewhere on these pages, prospectors such as Baycroft searched for outcrops.





Destination reached, a collapsible electromagnetic unit is set up. The induced magnetic field created by the vertical coil sets up a current in conductive ground.

mobilers, hockey players, and the Canadian Nickel Company Limited, Inco's Canadian exploration arm.

For them, winter's freeze-up opens up for travel vast areas of swamps, muskeg country, lakes and waterways, and triggers a winter exploration programme that runs from early January to mid April.

Spread across Manitoba, Ontario and Quebec, crews totalling about 50 men are out there right now searching for new areas of mineralization and testing known deposits.

As in most other fields of endeavor, modern technology is easing the burdens of the come-lately prospectors.

Electromagnetic equipment has shed pounds with the miniaturization of components and power supply, and the snowmobile has become the prospector's best friend. The Canadian Nickel Company currently operates a fleet of 13 of these machines.

Used on all exploration programmes, helicopters have drastically reduced

backpack-and-snowshoe miles. Some of the equipment now used for exploration is enough to make those hardy old-time prospectors drool in their beards.

Exploration types are rugged and hardy people — a rare breed. Maybe the pictures on these pages will give some of us snug-as-a-bug-in-a-rug types food for thought the next time mother nature pulls a good old-fashioned sub-zero howler. Our exploration crews will be out there.

Using a receiving coil to measure signals produced by the transmitter, Blaine locates the area of conductivity beneath his feet. On the right, Vance uses a magnetometer to determine the magnetic properties of the conductive ground.



The end of truck transportation. Geophysical technicians Vance McAlee and Leon Fransen unload their gear and the snowmobile. On the truck is geophysicist Blaine Webster.



Seek and ...

Exploration, an ongoing thing

On a determined compass bearing the trio set their sights on a prominent landmark and head for their destination. Their powerful workhorse is a luxury that would make oldtime prospectors shake their heads in wonder.

Let's face it — mother nature's spectacular northern winters don't necessarily make everyone jump for joy. Cottage owners are denied the use of their summer homes, and motorists have been known to describe road conditions in very colourful and impolite language.

On the other hand, there are those who gleefully wax their skis and disappear in a cloud of powder snow, not to be seen again till the last patch of slippery stuff has left the slopes. They belong to the group that includes snow-



appointments



Charles F. Baird, senior vice-president, elected to Board of Directors.



John McCreedy, senior vice-president, elected to Board of Directors.



Dr. William Steven, senior vice-president, elected to Board of Directors.

directors of The International Nickel Company of Canada, Limited was also announced January 7 following the meeting of the company's Board of Directors. All are senior vice-presidents of the company.

Mr. Grubb, previously chairman of International Nickel Limited, the company's United Kingdom subsidiary, transferred to Toronto in January, 1971, when he was elected a director and became executive vice-president of the parent company in charge of the company's Canadian activities. He moved to the United Kingdom in 1964 where he was managing director and subsequently chairman of Henry Wiggin & Company, Limited, Inco's rolling mill division at Hereford. Joining International Nickel in 1934, Mr. Grubb has had major responsibilities over the years both for production operations and for marketing at all three of the company's major bases, Canada, Europe and the United States, and in the field of nickel alloy rolling mill products as well as primary nickel products.

Mr. Carter joined International Nickel in 1937 as a metallurgist at the company's Huntington, W. Va., rolling mill. He became vice-president of the parent company and executive vice-president of The International Nickel Company, Inc., its United States subsidiary, in March, 1971. Prior to that he was president of Inco's Huntington Alloy Products Division.

Mr. Gagnebin has been with International Nickel since 1932, having joined the company's research staff at its product research laboratory in the United States. Co-inventor of ductile iron, he transferred to New York in 1949 to establish a group for the commercial development of this material. He was elected a vice-president of the U.S. subsidiary in 1958, and, in 1960, a vice-president of the parent company with overall responsibility for International Nickel's corporate marketing policy. Subsequently an executive vice-president, Mr. Gagnebin became a director in 1965 and president in 1967.

Mr. Baird, who is Inco's chief financial officer and is also responsible for certain corporate administrative functions, joined the company in 1969, having previously served as Under Secretary of the United States Navy in Washington. Prior to that he held various executive positions with the Standard Oil Company of New Jersey, now Exxon.

Mr. McCreedy, who is responsible for all production activities, previously served as general manager of the Manitoba division and later as president of the Ontario division, the two principal operating arms of the company. He has been with Inco since graduating from the University of Toronto in 1949.

Dr. Steven, who has corporate responsibility for technical and resource development, joined Inco's British subsidiary in 1946. He later became manager of the company's research laboratory at Birmingham. Dr. Steven transferred to the United States as director of product research in 1959 and to Canada as a vice-president of the company in 1968.



St. Valentine's



DAY, FEB, 14, 1927

St. Valentine

A festival of romance and affection, celebrated on February 14, St. Valentine's Day falls on the feast day of two different Christian martyrs named Valentine. Historians disagree about the true identity of the gentleman — and it's a little late to ask "will the real St. Valentine please stand up", so you can make your choice between a Roman priest who was beheaded for aiding Christians in A.D., 270, and a Roman bishop who was beheaded in A.D., 273 for converting a Roman family to Christianity.

Other historians ignore both martyrs and suggest that the celebration is a carry-over from an ancient Roman

festival called Lupercalia which took place every February 15. The festival honoured Juno, the Roman goddess of women and marriage, and Pan, the god of nature.

Whatever the reason, it's a great idea. Surrounded by trouble and tumult as we are, it's good to know that at least one day a year is reserved for telling someone you love them — so keep those Valentine cards rolling.

We are indebted to Mrs. Swea Kainola of Sudbury who delved into her box of souvenirs and came up with the 1927 vintage Valentine's cards reproduced on these three pages.



Mrs. Swea Kainola and husband Onni, a Stobie mine pensioner, raise a smile from granddaughter Janice Floreani as she looks at Valentine's cards sent to Swea in 1927.

'By Dai

Seldom seen without his seraphic smile during the nine months that he expertly tackled start-up problems at Inco's Copper Cliff nickel refinery, Dai (David) Evans has packed his bags and returned to Clydach. Back in harness following his retirement from International Nickel's nickel refinery at Clydach, Wales, the former production manager was reactivated as a consultant for the break-in of production equipment in the nickel refinery's Inco pressure carbonyl plant. A pleasantly speechless private farewell party attended by 35 friends was held at the Caswell Hotel. During the evening it was duly noted that despite the fact that Davey can't swim, the game gentleman tried his hand at both water-skiing and waterfall wrestling (he fell into the waterfall while visiting a well known beauty spot on Manitoulin Island). Good luck Davey — we enjoyed having you with us.

Roger Cooke



At a farewell party for Clydach's Davey Evans (right), nickel refinery decomposer assistant Ray Vallee talks with the honoured guest. Davey came out of retirement to assist with the Copper Cliff nickel refinery start-up.

Haileybury's 46



Students and instructors from the Haileybury Campus of The School of Mines with South mine guides. Front row; Ron Petit (Inco), Instructor Don Fraser, Len Boulard, Ed Vessel (Inco), Instructor Ted Marvin, Larry Tessier (Inco), and Jeff Carr. In rear; Vince Karlewicz, Bob Lesk (Inco), and Bob Farquharson.

It was "Inco day" for 44 third year mining technology students and two of their instructors recently. From the Haileybury Campus of The School of Mines, the

visitors were conducted on an underground tour of the Copper Cliff South mine, and then visited several other Inco surface facilities in the Sudbury area.

Lady messengers are back again

Joyce Asbury began her new job as messenger at Inco's Huntington Alloy Products Division recently.

Although Joyce wasn't even around during the war, other division employees remember that during World War II, nearly all the division's messengers were women.

Joyce is starting on the "outside run," taking mail to the mill departments. Unlike her sister messengers over a quarter of a century ago, Joyce has a truck to make the deliveries. They had bicycles.



Lady messenger Joyce Asbury.

Mill mates

The men of the Copper Cliff mill recently stole a page from their mining brethren's guidebook and conducted a "ladies' tour" of their workplace, but added a wrinkle by allowing children over 16 years to accompany their parent.

About 60 spouses and offspring attended the tour in two shifts; morning and afternoon. Each 90-minute tour began with a general briefing by Jeff Butwell, mill superintendent, and concluded with refreshments in the lunchroom.



Jeff Butwell, mill superintendent, explains the mill's operation to assembled guests before the tour begins.



A smile lights the face of Mrs. R. Lemieux as Mrs. Darlene Rawlick registers for the tour.

Safety equipment is always provided for guests. Jeff Butwell assists Mrs. Jean Beattie with her safety cap observed by Mrs. Helena Zatylny.





Norbert Mareck explains the operation of the magnetic drum separator to Mrs. Henry Bock and Allan. Henry is a filter operator at the mill.



Henry Labbe (left), flotation foreman, acting as one of the guides, here explains de-watering to Mr. and Mrs. Al Frenette, whose son Ray works at the mill, and Denyse Rainville.



Concentrate flows past Alice Therrien, Mr. and Mrs. Leo Desormeaux and Aimede Clement. Leo works on the tailings line, Aimede in flotation.

Henry Thibeau, a pump floor leader, explains flotation to daughter Linda and wife Mabel.





Frank Homer, supervisor of employee benefits, examines the new tax status of insurance benefits with secretary Coreen Schotfield.

Metro benefits tax

Changes in Canada's Income Tax Act have made insurance payments from off-the-job sickness or accident plans taxable in 1974.

The taxation branch of the Department of National Revenue has so far refused to allow income tax to be deducted when cheques are issued by Metropolitan Life, the company which carries insurance for International Nickel employees. Therefore, Art Bennett, manager of employee relations, has provided this advice:

"Any employee who starts a Metro Claim after January 1, 1974 should be aware that, when he files his 1974 tax return early in 1975, he will have to pay

tax on all the benefit he received from Metro. This regulation does not apply to an employee who became sick or injured in 1973 and began to receive benefits before December 31, 1973, even though the employee continues to receive benefits on the same claim in 1974."

Metropolitan Life will supply each employee who starts a Metro claim in 1974 with a T4A form showing the amount of benefit the employee received. Efforts to persuade the government to allow tax deductions from insurance cheques when issued, as is done with pay cheques, will continue, Mr. Bennett says.

Appointments

Merv Dickhout, chief mines engineer.

Jim Grassby, assistant to the vice-president of administration.

John O'Shaughnessy, director of mines, technical services.

Bob Hall, assistant to the vice-president, mining and milling.

Len Turner, property analyst.

Anthony Fritz, superintendent of the fluid bed roaster department.

Inco Japan

Osamu Hirano, president of International Nickel Japan Ltd., visited Copper Cliff with Bill Sparr of Inco-New York recently.

While here, Mr. Hirano renewed his acquaintance with Chris Dunkley, manager of the Copper Cliff nickel refinery, and also visited the Clarabelle mill and the matte processing area.



At the copper refinery electro-winning plant (L. to R.) Bill Sparr, Osamu Hirano, Dave Huggins and Chris Dunkley.



This milling head has 12 hexagonal tungsten carbide cutters. Each cutter can be rotated and turned to provide 12 cutting edges. Machinist apprentice William Metson examines the head.

On this 24 inch lathe first class machinist Harold Keast is using a tungsten carbide cutting tool to machine an armature shaft. This tool will remove metal faster than regular high speed steel cutting tools.



Toothy technique

The central shops at Copper Cliff are experiencing a number of changes lately both in equipment and technique, all designed to make the job more rewarding and efficient.

One such change is a metal cutting technique that has been resting in limbo for some time.

That technique is the greater application of tungsten carbide metal cutting tools which, while not new, had only

limited application in most areas. Of late, however, there has been a marked increase in the use of such tools, and with good results.

One advantage that these tools have over the conventional high speed steel cutting tools, is that on a specific job tungsten carbide tools will remove more metal faster, and more efficiently. In addition, on many of these cutting tools the cutting edge is in the form of an insert which may simply be changed or rotated as required. Inserts come in many shapes with many cutting edges.

In order to better acquaint both operators and supervision with the application of tungsten carbide cutting tools the company arranged with the Carboly division of General Electric to present a film on the subject at Copper Cliff.

In an amusing, yet technical manner the film outlined how such tools are made and explained their application. In five showings some 125 men viewed this film and indicated their interest with many questions directed at the General Electric technicians present.

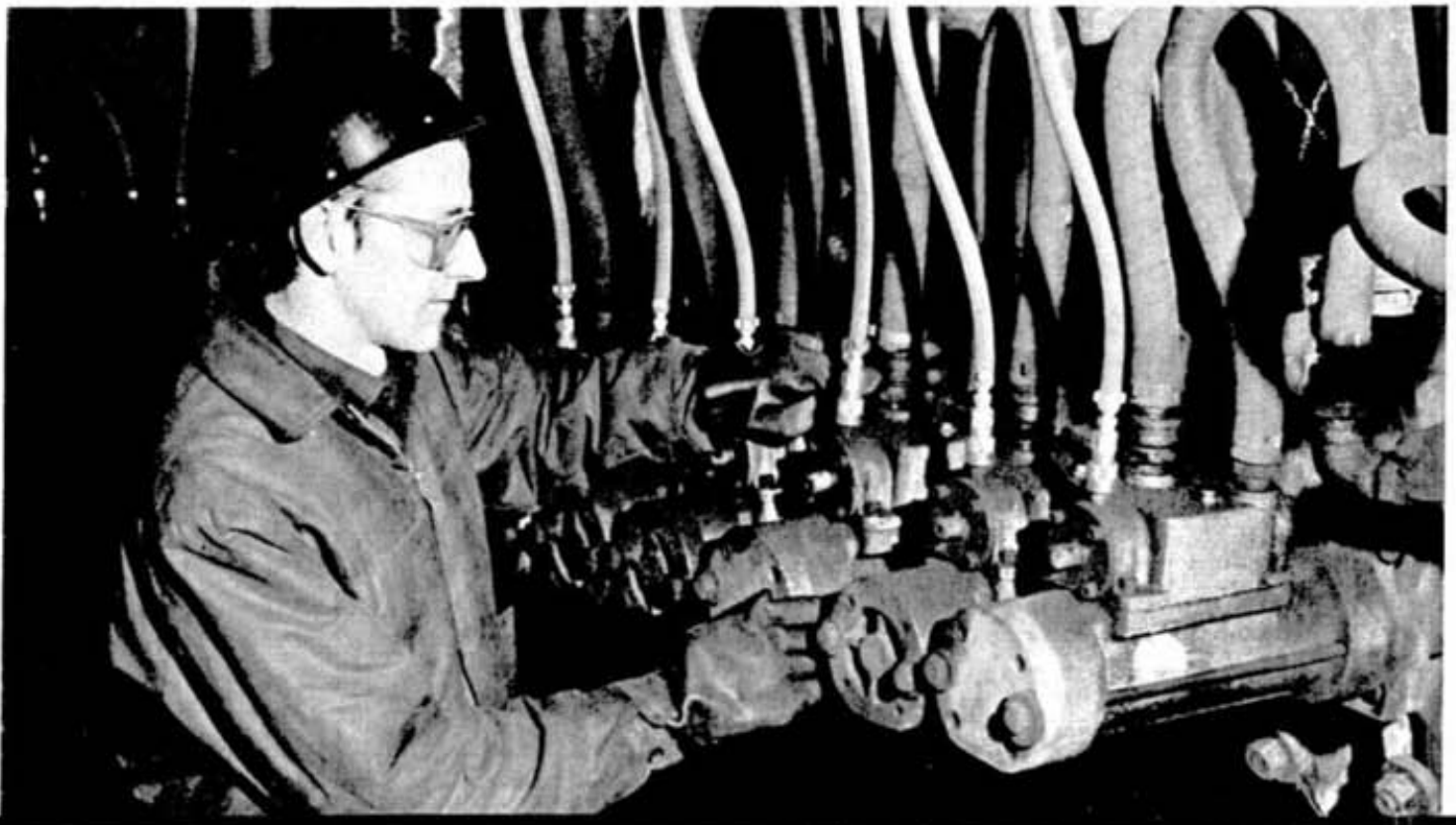
A group of interested machinists from various Inco plants and mines are seen here watching a film on the use of tungsten carbide cutting tools. The film was presented at Copper Cliff by the Carboly division of General Electric.



\$5,000 JACKPOT!

**Onney Belanger wins
maximum suggestion
plan award**

At the scene of his success, Onney Belanger inspects one of the couplings on a converter automatic tuyere punching machine in the Copper Cliff smelter. His suggestion to eliminate one of the two Hansen couplings on each machine earned him \$5,000, the maximum award attainable under the suggestion plan programme.



"What's the fuss all about? All I did was make a simple suggestion." That's the look in the eyes of our cover picture's central figure, modest and unruffled **Onney Belanger**, the first winner of the maximum suggestion plan award — \$5,000. The smiles and the eyes of his proud family say something else — he's the king-of-the-castle, he's number one, and he's ours! The proud ones are Craig, 9, Lynn, 7, wife Marilyn, Mark, 15, and Lise, 13. Onney is noncommittal about the use of the windfall; his family's vote is definite and unanimous — they'll settle for a swimming pool in the garden of their Lasalle Boulevard home. Good luck kids!

A maintenance mechanic at the Copper Cliff smelter, Onney suggested an arrangement making it possible to eliminate one of the two Hansen couplings on each automatic converter tuyere punching machine. There are over 900 machines in operation.

Narcisse Dignard and "**Butch**" **Butcher** also won themselves a nice chunk of hard cash, (\$2,210 each to be exact), for producing an improvement in the hanger arrangement for matte ingot lifting hooks. Narcisse, a mouldman, came up with the original suggestion and Butch, who is a mechanic, improved it and built a working model of their idea. This is the second major award for Butch; he picked up \$375 last September.

Butch Butcher and Narcisse Dignard teamed up to produce this relatively simple looking improvement in the hanger arrangement for matte ingot lifting hooks. Narcisse had the original idea, Butch helped refine it and produced a working model. This practical improvement netted each man \$2,210.



Another substantial award winner was **John McCord**, an instrumentman at the smelter who received \$250 for his suggestion to eliminate mercord switches from gate feeder interlocks at no. 1 fluid bed roaster.

Mark Tubgy of transportation received \$115 for proposing a rail clamp for both 85 and 100 pound rails, and **Ermeneo Tessaro** of central shops picked up an even \$100 for his method of securing scraper rails on Jordan spreader. **Gerald St. Amant** is \$75 richer for devising a protective plate on Hyster trucks to shield components from battery acid, and **Delice Racine** also won \$75 for his idea of a modified use for numbers 7 and 8 furnace bins.

Michael O'Neill netted \$35 for his proposal to relocate the wire mesh on drain hole screens. In the \$25 range were **Phillip Pharand**, additional safety switches for numbers 90 and 91 conveyors, and **Edgar Jeanveau**, service bay for Gradall tractor.

Ian Dean earned \$20 for suggesting a mercury vapor light at the MRJ holding bins and **Rheal Gaudet** proposed an additional light on "C" floor in the fluid bed roaster building, worth \$15. A similar \$15 sum went to **James McLaren** for his idea for improved access to centrifuge air valves.

Testing the voltage at the control panel for the gate feeders on number 1 smelter fluid bed roaster is John McCord. His proposal for rewiring this circuit eliminated the mercord switches and this reduced production down time. John received \$250, a nice reward for his first suggestion.





Comedic highlight of the evening was Rene Sigouin and his rendition of a Tex Lecor number.

CFBR

Regular listeners to Sudbury's French language radio station CFBR already will have heard two programs in a series entitled "Inco's Town Showcase", featuring local amateur talent.

Four more programs in the series will be broadcast before the end of June, on three occasions featuring performers from local high schools: Franco-Jeunesse, Noelville and Hanmer secondary schools.

Recently a "Cafe Chantant" presentation was held at Rayside-Balfour Secondary School, and is typical of the liveliness of the series, which is recorded in the school and later broadcast twice by CFBR

Set dial

Robert Perrault, program director of radio CFBR, monitors the recording of the program.



CKSO —FM

that
to ...

There's mining of a different sort heard each Sunday at noon on CKSO-FM radio — men digging back into their past to inform and entertain you with the story of their lives.

It's all on "Memories and Music", an hour-long presentation of tunes from by-gone days, the memories of Inco pensioners and excerpts from the files of "the triangle".

Coming up Sunday, February 3, is a program featuring pensioner Alf Mash. On February 10, listen for Tom Crowther and on February 17, hear Leo Desilets. George Passi is featured on the month's last program, February 24.

CKSO's Paul Burke reviews old issues of "the Triangle" every Sunday on "Memories and Music".





INCO cup

Inco Cup action at the Searchmont Ski Area northwest of Sault Ste. Marie, Alfred Marinacci of Timmins during giant slalom competition. Eighty young skiers took part in the first round of competition.



A well loaded chairlift at the Searchmont Valley Ski Resort. Below, at the foot of the slope, is the finish line for the giant slalom event.

At the top of the Searchmont slope, participants prepare for the start of the ladies' down-hill event during Inco Cup action. Competition for the cup will continue till March.



The Inco Cup, emblematic of skiing supremacy in Northern Ontario, is two fifths done and the young skiers of the northeastern area of this province are starting to pile up the gold, silver and bronze Inco Cup medallions.

The first race of the year was held in mid-January at Searchmont Valley Ski Area about 25 miles northwest of Sault Ste. Marie, and produced some excellent times for the eighty skiers taking part.

The second race was held just before the end of January at Nipissing Ridge at North Bay, and after two days of downhill, slalom, and giant slalom, a third day of "dual slalom" was held.

Trends are already appearing in the race results, and names like Karen Gerbasi of North Bay, Christein Hiekkila of Sudbury, Jeff Armstrong of the Sault, the Prattes of Rouyn, David Tafel of North Bay, Dave Flowers of Sudbury, Heather Hurst of



Stephen Paulseth of Sudbury at the start of men's giant slalom.



Gordon McGuinty (centre) co-ordinator of the five Inco Cup ski meets answers questions for CKNC-TV's Joe Cook and CKSO's Cummy Burton.

Ladies down-hill medalists (L to R) Rosemary Simic, Sudbury; Karen Gerbasi, North Bay; and Sara Fitzgerald, Sault. Awards were presented by Inco's Ken Johnston (R).



Men's giant slalom number two medalists (L to R) Raymond Pratte, Rouyn; Michele Pratte, Rouyn; and Jeff Armstrong of Sault Ste. Marie.

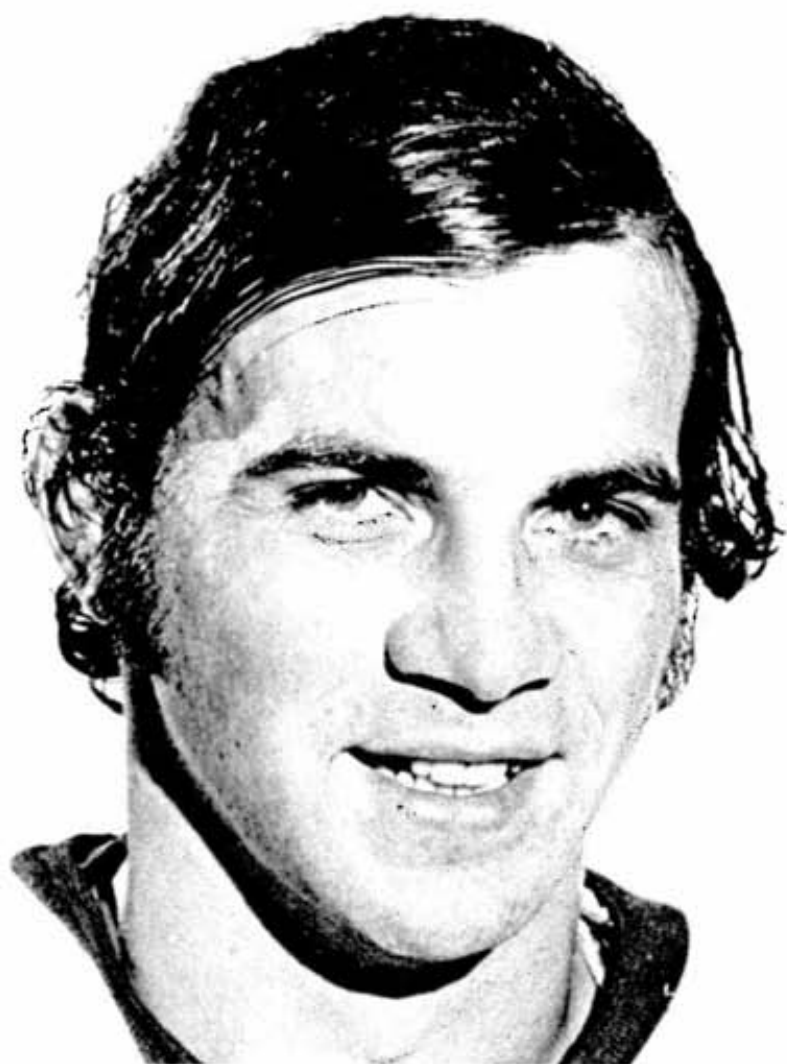
Larder Lake and Megan Armstrong of the Sault look like names that will dominate the awards this Inco Cup season.

The Inco Cup, which will be awarded in April to the club with the best aggregate showing over the five events, will indicate a degree of consistency in the abilities of the skiers representing the various clubs.

Riki Gougeon of Sudbury is chairman of the Alpine Events which are the races that comprise the Inco Cup. The races in each area also are chaired by local members of the host club.

In addition to the two races already held at the Sault and North Bay, the third will be in Cobalt for the Tri-Town area early in February, at Onaping near Sudbury in mid February, and the final race at Rouyn-Noranda on Mont Kanasuta the first weekend in March.





Nelson DeBenedet

Copper Cliff son nets
three during his
first two weeks with
NHL's Detroit Red Wings

Add a name to that list of top hockey performers produced in the Sudbury area.

DeBenedet.

Nelson DeBenedet. "A natural athlete", says his high school coach, Bill McDonough of Copper Cliff Secondary School, "tremendously strong as a youth; a terrific baseball player and a good football player as well."

Nelson DeBenedet. "An excellent student," says his father, Tony, a carpenter for International Nickel at Copper Cliff, "always getting high grades. Went to university on a hockey scholarship."

Nelson DeBenedet. An Italian-born forestry graduate who scored three goals in his first two weeks of play with the Detroit Red Wings of the National Hockey League.

Papa Tony is justly proud of his eldest son. "We listen to the games on WJR radio from Detroit, despite the distortions, and wait, like Nelson, for him to get more ice time."

A graduate of the Copper Cliff Athletic Association's minor hockey league — which also sent Elmer DeBenedet, 20, to university on a scholarship and is currently tutoring the younger DeBenedets, Otavio, 16, and Dennis, 12 — Nelson went from Michigan State University to Port Huron and Fort Wayne of the International Hockey League, to Fort Worth and Tidewater (now Virginia) Red Wings of the American Hockey League and then joined Detroit as a right winger.

Tony gives a lot of credit for Nels' hockey ability to McDonough, who says: "We almost had to drag him out to play for the high school. He was getting good marks and didn't want them to suffer. When the boys finally coaxed him out, though, he was a natural talent."

Is it every Canadian boy's dream? Stepping on the ice at Maple Leaf Gardens to play in an NHL hockey game. Nelson DeBenedet is another Sudbury area athlete to make the big leagues.



Detroit Red Wing coach Alex Delvecchio with Copper Cliff native Nelson DeBenedet after the rookie's first NHL goal.



Concentration is the key to good hockey . . . even when you're on the bench, as Nels demonstrates.



He's a proud papa; Tony DeBenedet (centre) shows carpenter shop foreman John Robertson (right) a newspaper clipping of son Nelson's NHL goal scoring efforts, with Bepi Tessarolo looking on.

Logo writer

We've all had the chance to sign on the dotted line, but this month Don Collins had the chance to "sign on the cover." His hand penned the "logo" at the top of this month's "triangle" cover.

Don is chairman of the Regional Municipality of Sudbury and an ardent booster of the city's industrial future. Now in its second year, Don says the Regional government must stimulate development here — not necessarily a service industry, but one that will stand on its own and make use of the area's human and natural resources.

Previously the Deputy Minister in Ontario's Ministry of Industry and Tourism, Don termed himself a "trouble-shooter" for the provincial government. His extensive experience in dealing with regional governments while chairman of the Ontario Water Resources Commission make him well qualified for his current post.

It was while chairman of the OWRC that he imposed a short-lived ban on housing development in Sudbury until serious plans for a new sewage treatment plant were underway. He was also chairman of the Civil Service Commission and was the province's youngest Deputy Minister when he joined the public service in the Transport department at age 34.

Married and with a family of six, he is a native of Guelph, but grew up in Palmerston, about 30 miles northwest of Guelph. His wife, Mary was the first female executive assistant to an Ontario premier, a post she held in John Robart's administration. Now the proprietor of Mary Collins Consultant Ltd., she is also a partner in Human Support Services Ltd., a firm dealing in community development. They have four sons and two daughters: Ken, Beverley and Peter, all attending school away from home, and David, Robbie and Sarah, all too young to attend classes.



Don Collins, chairman of the Regional Municipality of Sudbury. The owner of the hand that penned this month's cover logo.