

INCO TRIANGLE



THE INCO TRIANGLE DECEMBER 1973



the triangle

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On the cover . . .

The sanctuary of Sudbury's Church of Christ The King. An appropriate cover in tune with the season and the approach of the celebrations to honour the birth of the Christ Child. Backgrounding the altar, the vibrant Venetian smalti mosaic contains thousands of thumbnail-sized pieces of custom cast coloured glass. Symbolically, it represents a resurrected Christ with crown in hand — truly Christ the King.

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The site of the present European Research and Development Centre at Wiggins Street, Birmingham, prior to re-development in 1936.

What else is new? The E.R.D.C. — that's wot

The \$3.8 million modernization of the European Research and Development Centre at Birmingham, England, was formally inaugurated in October by A. P. Gagnebin, chairman of International Nickel Company of Canada, Limited. He described the new facilities as "second to none in Europe for research into metals" and as a complement to the company's similar research establishments in North America.

The Birmingham centre, built originally in 1929 and refurbished in 1936, was

responsible for the development of coloured stainless steel. As part of its modernization program, the centre installed an electron probe microanalyser which can analyze for three elements simultaneously, and double as a scanning electron microscope, and a computer-controlled X-ray spectrometer.

The centre employs 220 people. Guests at the recent dedication included the Lord Mayor of Birmingham and the High Commissioner for Canada.

Inco's modernized European Research and Development Centre at Birmingham was inaugurated by A. P. Gagnebin, chairman of The International Nickel Company of Canada, Limited.



Corporate appointment



W. R. O. (Roy) Aitken, whose election by the board of directors as a vice-president has been announced by L. Edward Grubb, president and chief officer of The International Nickel Company of Canada, Limited.

In his new capacity, Roy will have overall responsibility for the engineering activities of the company and will have his office in Toronto. He has been vice-president, engineering and maintenance, of the Ontario division since September of last year.

Roy joined Inco in 1970 as technical assistant to the vice-president and chief engineer in the Toronto office. In March 1971 he was appointed director of projects with the central engineering department in Toronto and in September 1971 he moved to Copper Cliff as assistant general manager, engineering, of the company's Ontario division.



At the Sudbury cenotaph, the Sudbury Sea Cadets joined many other organizations and the nation to reaffirm faith in their warrior dead.

We shall remember

In solemnly impressive memorial services throughout the Sudbury area on Remembrance Day, citizens and civic, military and service club organizations joined in tribute to loved ones and comrades killed in the wars for freedom.

At the largely attended services, held during the first snow flurries of a coming winter, the veterans of war marched with the youth of the modern military establishment and then stood silently to renew a solemn pledge: "We shall remember them."

Right: World War One veterans; Pete MacLachlen, 95, Ed Longe, 76, and Sandy Butler, 75, in Copper Cliff at the R.L. Beattie Branch 224 of the Royal Canadian Legion. Ed and Sandy are Inco pensioners.

Below: Representing the Sudbury Red Cross Corps, chairman Phyllis Sopha and vice-chairman June Brown (wife of Creighton manager Ron Brown) performed wreath laying ceremonies at the Sudbury cenotaph.





Sudbury Young Ladies Choir members include (back row, left to right): Valerie Bainbridge (husband Bob works for International Nickel in Copper Cliff), Barbara Thorburn, Jan Innes (whose father, Hilton Labrick, is a pensioner), Sharon Paulaushkas (who works in process data and evaluations), Barbara McPhail; (centre row): Carol Sandberg, Mary Ellen Scanlon (her dad, Lewis, is general foreman in FBR), Vilma Carter, Heather MacKay (her dad, Neil, is a pensioner), Irene Meilleur; (front row): Marlene Perri, Marlene Sovran, Joan Chmara and Marilyn Fleming (Cecil works in Creighton's time office), all under the direction of Mrs. Innes. Not in the photograph, but a vital member of the group, their accompanist, Jim Spark.

"Camera one— long shot of choir"

" 'Tis the season to be jolly," or so the traditional song says, and the Sudbury Young Ladies Choir is right in the yuletide spirit as they prepare for a forthcoming televised concert.

Sudbury television station CKSO will telecast the choir's festive program during Christmas week; although not the group's premiere television performance, it is the first in a Christmas setting.

Founded 10 years ago by Louise Innes, who remains its director and is the wife of pensioner Guy Innes, the choir comprises 16 members. They have appeared in local Kiwanis music festivals and have travelled throughout Ontario displaying their talent. Their annual concert, in May at Laurentian University's Fraser Auditorium, is the highlight of the season.



Not exactly "a finger by his nose and up the chimney he rose", as in the classic tale, but a peace sign carries deep meanings for a modern Santa.

Jolly St. Wes popular person at Port

Hair like cotton clouds, a voice like booming thunder, a complexion like driven snow . . . and eight tiny reindeer. Right away, you know it's not your average winter storm.

But it is a legendary person. Put a tot on his lap and listen to the "Ho Ho Ho-s" tumble out. Santa Claus, Father Christmas, Pere Noel, call him what you will, but call him soon, because come December 24 his line is likely to be busy.

Wesley Pierce knows. Perennial Santa Claus at the Port Colborne nickel refinery's annual Christmas party, the research station clerk-typist first appeared as old St. Nick in 1959. "Bookings usually start in September," he says, "and on one past December day I had 12 separate engagements."

That's a lot of rooftop tap dancing for eight tiny reindeer.



*Merry Christmas and a Happy 1974.
The Taylors.*

The Taylor family. Ontario division president Ron with his wife Vi and (L to R) Stephen, David, Anne, Valerie, Cathy and Chris.



For Port Colborne pensioner Pat Dalton, the Christmas tree was an orange branch — he grew up in South Africa. It was a time for candies in a Christmas stocking.



Gee dad...



Born in France, pensioner Louis Core recalls that Christmas was a time for visiting friends and neighbours. There were no Christmas trees and a stocking held all his gifts comfortably.



How many Christmas mornings have you been asked, "Gee Dad, is that all there is?" Well, if you have a youngster from about four to 12 around the house, the odds on you being asked that very question are pretty good. It's a sign of the times.

As you look at your youngster, up to his or her elbows in pretty boxes, neat bows, and wrapping paper (making the particular part of your home look like a disaster area) and if that youngster is a girl, surrounded by Barbie dolls and Kim dolls and new games, and she looks at you and says "Gee Dad, is that all there is?", or your son surrounded by hockey sticks, target pucks, HO railroad sets and dump trucks and garages, and he says to you, "Gee Dad, is that all there is?" — then search your memory because there certainly must be a time when you can say, "Well, young man (or young lady), that's not the way it was way back when I was young".

As a matter of fact that wasn't the way it was for a lot of people in a lot of places. We hear a lot about the new morality and it is very, very certain the line "Gee Dad, is that all there is" isn't a result of the new morality. It is a result of the affluent times in which we are fortunate enough to live. But times haven't always been that affluent, and you can tell those young people about some of the times — times that Holly Hyland, an Inco pensioner, remembers of his younger days in the Ottawa Valley. Holly doesn't remember being inundated in wrapping paper; he doesn't remember

HO trains. Holly says "We got mostly clothes, sweaters and occasionally a pair of oil-tanned mocassins". Holly recalls when he was about 10 or 11 having to borrow a pair of skates from the neighbour across the road. And that was a big Christmas for Holly, because that year, "I got a pair of skates and boots". In his reminiscences of Christmases past, Holly recalls that one in particular because not only did he have his own skates, but he and a friend who used to work in a warehouse in Sudbury, the late Pinkie Wilson, had to flood their own rink. By today's standards that might not be difficult: You simply turn on the hose. But way back in those days in the Ottawa Valley, there wasn't any running water. Holly says, "We had to carry it by the bucket from Wilson's well 100 feet from where the rink was. What's worse", continues Holly, "the buckets had to be hauled from the bottom of the well by a rope." We are sure that when the rink turned out only to be 50 x 100 feet that our young people would say "Gee Dad, is that all the rink there is?"

Port Colborne pensioner Pat Dalton, who grew up in South Africa on a farm, recalls that not only were there not many Christmas presents at Christmas time, but where he was there wasn't any snow.



s that all?

As a matter of fact, Pat says, "Mostly we went swimming in a nearby river". Pat recalls that the neighbours used to drop in at Christmas time for it was a time of visitation, but not a time of abundance of gifts and the like. Pat mentions with a gleam in his eye about the railway engines that he used to pull around with a string, made at home out of wood; or the wheel barrow wheels with a pole that he used to push around. This "toy" was also home made. "A great Christmas," says Pat, "was a time that you got gum drops or peppermints and a box of candies in a Christmas stocking. The Christmas tree was an orange branch, because it was the only thing that was green in South Africa. A real Christmas special was a shirt or a pair of trousers from England or Ireland."

Pat's Irish eyes twinkle when he recalls Christmas when he was seven. "That year", says Pat, "I got an airgun — that's a lot like a B.B. rifle of the next generation." There was no "Gee Dad, is that all there is?" in those days. Hand toys, a pet — a dog or a cat, or a pet toad, and fishing with a bent pin on a string and a pole were happy times for Pat Dalton in Christmases past when he was a youngster.

Louis Core, an Inco pensioner who came originally from France, recalls that in his younger days "Ten cents was a whole lot of money" and homemade candies and baked goods were highlights

of Christmas. There were no Christmas trees, but they did hang up a stocking and usually found candy and possibly some small hand toy, but mostly Louis says, Christmas was a time for visiting friends and neighbours. Christmas was a quiet time for the Cores, midnight Mass and then home for a peaceful Christmas. The hoop-a-la came at New Year's. There wasn't piles and piles of wrapping paper and Louis Core isn't at all familiar with "Gee Dad, is that all there is?"

Joe Fajcz was raised in Hungary and he recalls Christmas as being good fun and always happy. There was not an abundance of presents from the parents because the Fajczs were not wealthy people. Mostly their money was saved for paper decorations, apples, candies and oranges, that went on the tree. There were no lights on the tree of course, as Joe said, "because there was no power" and the good fun in those days, Joe says, "was singing Christmas carols". He recalls one Christmas when he got a little wooden wagon and horse, hand painted, made by a neighbour. That was a big Christmas. He doesn't recall "Gee Dad, is that all there is?"

Christmas is a time for giving; a time when young people expect to receive, but this Christmas in this land of wealth and abundance, let's remind our young people that not always and not everywhere is "Gee Dad, is that all there is?" a fact.



Pensioner Holly Hyland remembers his early Christmas as a time for getting new clothes — and occasionally a pair of oil-tanned moccasins.



In Hungary where pensioner Joe Fajcz was born, all Christmas presents hung on the tree and were usually fruit and candy. The big things were paper decorations and carol singing.





Charles Paxy — the miner's sculptor. During the past 15 years his talented hands have recorded the mining scene in more than 300 dramatic wood carvings.



Hand tramming — a thing of the past — but a job the sculptor knows well. He did it himself "back in the good old days".

Wooden world

"The Driller", a nine by twelve inch woodcut print on rice paper. Limited printings of 25 are run off and the original carving is destroyed.

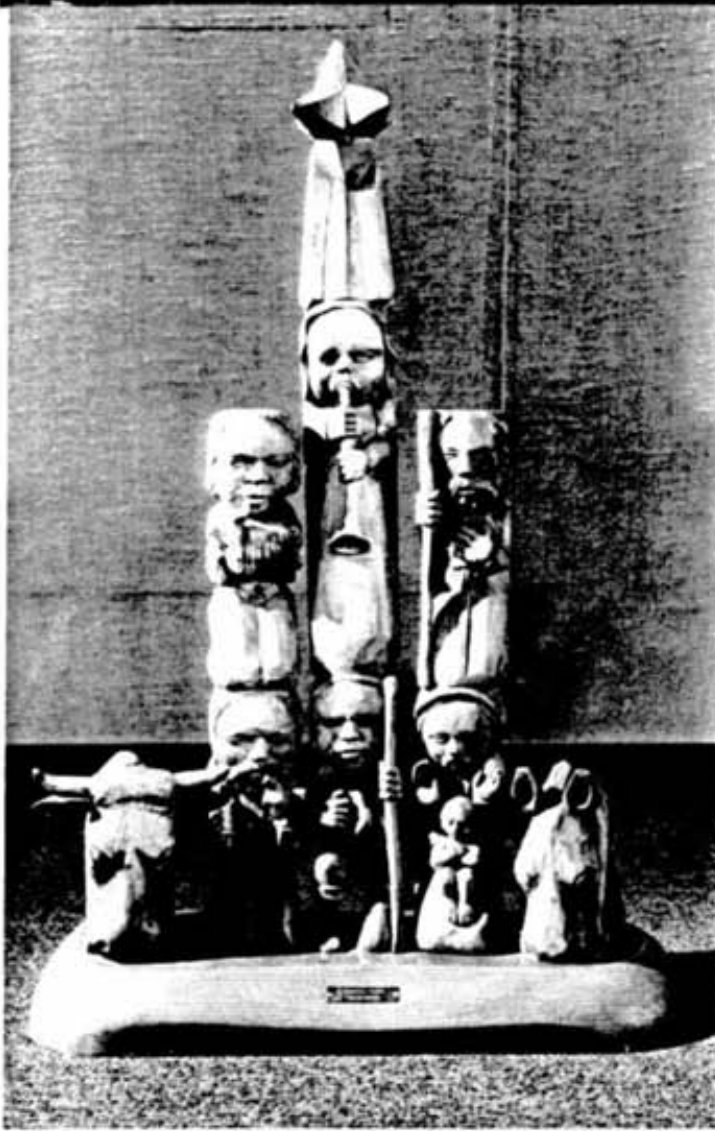


Creighton mine's captive carver, Charles Paxy, is no newcomer to the pages of the "triangle", and that's because the scope of his artistic talents is so wide that it's not at all hard to find a new and interesting story angle.

His appearance this time is prompted by a Christmas theme. Religious carvings account for a large percentage of his output over the years, and recently he displayed a variety of them at the Sudbury Museum and Arts Centre during a two-week solo exhibition.

Among the 28 paintings and 25 wood sculptures on display were those seen on these two pages.

Known by many as "the miner's sculptor", over the last 15 years Charles has immortalized in wood the activities of miners and machinery of the underground scene. Since 1960 when, following a foot injury and his establishment in a well-equipped workshop-cum-studio on the 3200 level at Creighton, he has carved more than 300 pieces for safety awards and personal presentations.



Entitled "The Nativity", this work is owned by the Sudbury Museum and Arts Centre. Originally a 12-foot tall totem pole, the sculptor changed his mind, made two saw cuts, and added ox and donkey.



"Flight to Egypt". Joseph, Mary and the Christ Child, and the donkey that carried the couple. A Paxy production of 1965 carved from California red wood.

Also an accomplished portrait painter, Charles is the instructor for the Sudbury Arts and Crafts Club classes on portrait painting held every Wednesday night at King George public school.

Charles is like his carvings — precise in every detail. "Sculpting is my profession," he explained proudly and carefully, "and painting is my hobby — that's when I relax."

Relaxing or not, Charles is still producing. Long may his chisels and brushes create.



Drilling and scaling. Intense, dramatic and rugged, the carvings on these bookends vividly portray the life and times of Sudbury district's hard-rock miners.

ROY'S BACK HOME



Early each morning, Roy Bonsteel catches a company-sponsored bus at the Northwood Park Plaza for the 60-mile ride to Shebandowan. If the surname is familiar, it's because Roy's cousin, Roy Bonsteel (note the name change), is host of the CBC-TV program "Man Alive".

Thunder Bay native Roy Bonsteel moved to Sudbury in 1965 to take employment with International Nickel; he moved back to Thunder Bay this year when Inco opened the Shebandowan mine and mill complex 60 miles west of the city, and he's glad he did.

"Where else could two guys shoot two moose on their way home from work?" he asks. His switch to Shebandowan from the Copper Cliff South mine bagged him another benefit: A promotion to lead mechanic.

Roy and wife Elizabeth were among a group of 72 experienced miners and their wives flown to Thunder Bay from Sudbury by International Nickel this past summer to see the Shebandowan operation and consider moving to jobs at the lakeside

The Bonsteel's new home is on Simon Fraser Dr., close to many other Shebandowan employees and handy to school for Beverly (left) and Vaughn. Four-year-old Carol sits with Roy while Elizabeth looks on.



Elizabeth's hobby is a painstaking and profitable one. Needlepoint art, like the Italian scene pictured above, draws high prices in Montreal galleries. Three works Elizabeth has completed, including the one above, have been framed by another hobbyist, Lou Facz, of the Copper Cliff geology department.



complex. The company had chartered a DC-9 jet from Air Canada for the day-long trip, and the Bonsteels — Roy, Elizabeth, son Vaughn, age 7, and daughters Beverly, 8, and Carol, 4 — are one of the 12 families who moved to Thunder Bay as a result of that trip.

Elizabeth is almost a native of the Lakehead herself; although born at Souris, Manitoba, she was raised near the small townsite of Shebandowan, where her father, Sid Rice, was a section foreman on the railway. Taking all her early schooling by correspondence, her family moved to Thunder Bay when Elizabeth was 13 years old.

The move from Sudbury was easier for the Bonsteels than for perhaps any of the

others, because they had close connections with the city. "It was simple for us," says Roy. "We knew the area and where we wanted to live. We had our house two days after we left Sudbury.

The Bonsteels live in the Northwood section of Thunder Bay, along with many other employees of the Shebandowan complex. Their Simon Fraser Drive neighbours include Alex McCuaig, administration superintendent and Lou Bernard, mill superintendent. Directly across the street lives Roy's own supervisor, Tom Carter, maintenance superintendent. Their school-age children attend the nearby Agnew H. Johnson Public School.

"We like it here, and Roy likes his job," says Elizabeth. "We're glad to be back."



Lead mechanic Roy Bonsteel at work on one of the L.H.D. machines at Shebandowan mine.

Why waste waste?



Marlies Schoentfeld takes a sample to study the penetration of digested sludge into the stabilized tailings.

The city of Sudbury and Ontario's Ministry of the Environment had a problem: A new water pollution control plant in Sudbury and nowhere to dispose of the digested sewage sludge.

Inco's agriculture department is continuing a 30-year study of another problem: Neutralizing acidic tailings so grass will grow on retired disposal areas.

The solution? Dump the nutrient-rich waste on the tailings and study the effect it has on growth.

Usually, waste from sewage treatment plants is dewatered and incinerated, or discharged to drying beds, a waste in either case, so a joint program has

evolved between the ministry, the company and Laurentian University.

About 150,000 gallons of sludge, the largely odourless, two-per-cent solid residue of sewage digester tanks, has been dumped each week on test plots near the Copper Cliff South mine sandfill plant. The organic waste oxidizes slowly, according to agriculturist Tom Peters, and releases nutrients as well as acting as a pH control (pH is a measure of acidity, as Fahrenheit is a measure of heat). This combination of effects improves the physical structure of the tailings for plant growth.

"We know what's in the tailings, and we know what's in the waste," says

INCO

TRIANGLE



Laboratory study of the samples shows changes in soil acidity. Marlies is the wife of Dieter Schoenfeld, superintendent of maintenance at the Copper Cliff nickel refinery.



The new water pollution control plant is operated by the Ministry of the Environment for the city of Sudbury. Tom Peters (left) chats with plant superintendent Pat Gillespie (centre) and John Wesno, of the ministry, at the \$7 million plant.

Marlies Schoenfeld of Laurentian University, who is doing the testing for the two-year experiment, "what we're trying to discover is what enters the tailings and what's available to the plants." She collected base-line data on the soil and vegetation in the test areas before the sludge was applied and takes 216 samples for testing every two weeks. "I measure the pH levels and send the samples to the University of Guelph to be analyzed for mineral content", she says. Water and plant samples are also tested by the ministry. Marlies, the wife of Dieter Schoenfeld, superintendent of maintenance at the Copper Cliff nickel refinery, will do her own soil tests throughout the winter.



After passing through a series of digester tanks at the new Kelly Lake Rd. sewage treatment plant, the sludge is deposited on the tailings by nozzle-equipped trucks. Agriculturist Tom Peters (right) checks with driver Bill Copping.

The use of a corrugated steel culvert pipe to provide access-ways through mined-out and filled areas underground is proving practical and will no doubt be economical.

At Inco's Levack and Garson mines test installations of this type of travelway are presently underway with good results. A four-foot circular section of test culvert installed some five years ago at Levack has proven the durability of this material.

In normal mining practice, an area is mined out, then filled with cemented sandfill. In some cases, however, access through such areas is required and a structure to support the fill and provide an opening must be installed.

Arch angle

The long established method to construct such access-ways with timber requires the installation of support sets, lagging and covering to prevent the fill from intruding. This method involves considerable time and effort both in transporting the timbers from surface and installing them at the location.

The use of corrugated culvert is a better method of providing the necessary opening. The pipe comes in easy-to-handle sections about 24 inches wide and installation is both easier and faster than conventional methods.

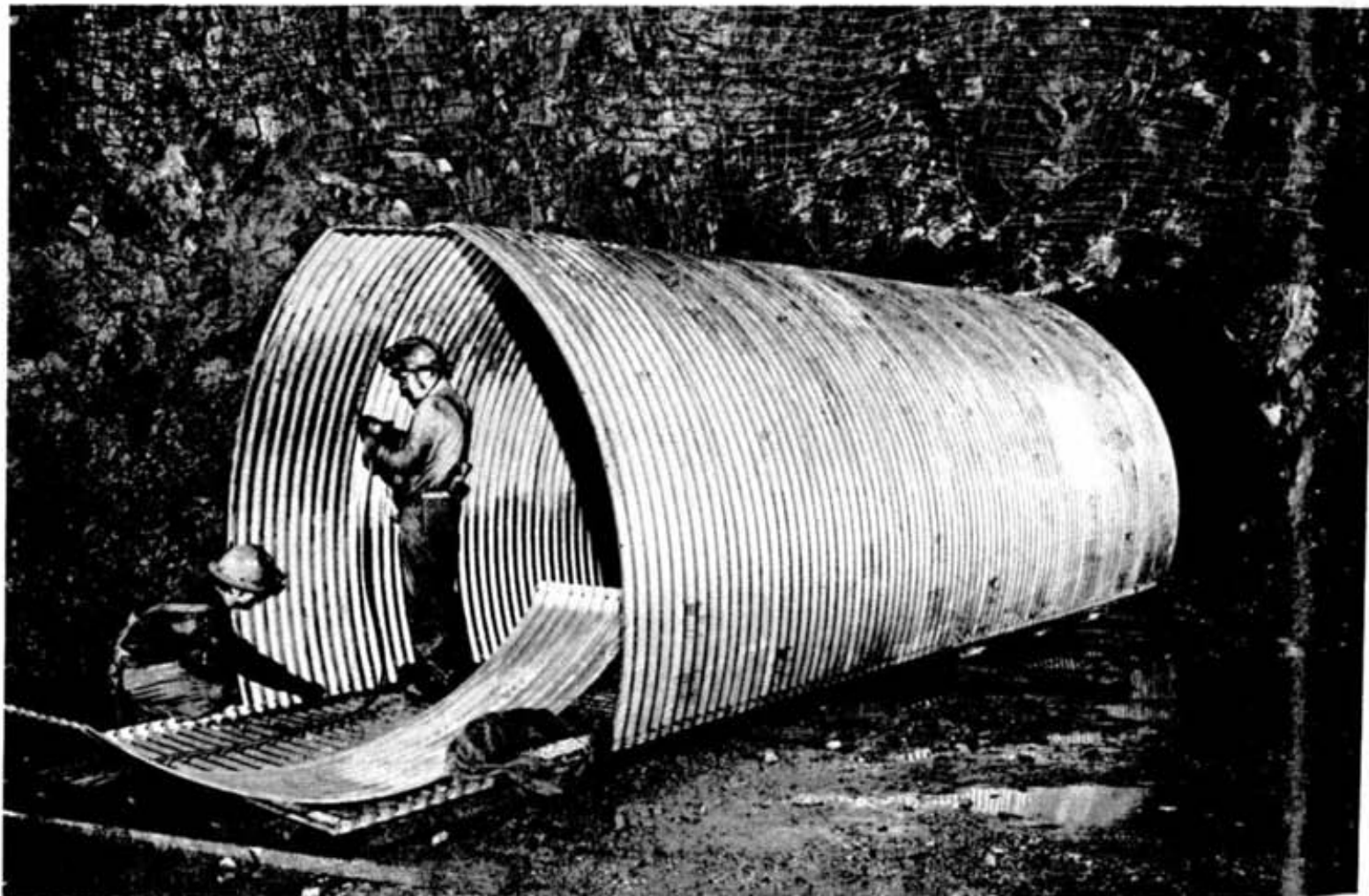
Corrugated pipe currently in use is a seven foot by seven foot arched type,

the arching helping to make the sandfill self supporting. An initial pour of about 15 feet of sand is made around the pipe and as mining progresses upwards the area is filled to the level or crown pillar above.

This arched corrugated pipe passageway is used as a service access through mined-out and filled areas to move men and material and also to aid in air flow and ventilation.

Further uses envisioned by the mines people includes arched pipe travelways up to 14 feet wide, large enough for trains or L.H.D. machines to travel through.

Mike Bennett and George Heaton are pictured here assembling a corrugated pipe access-way in 50.25 pillar on 3400 level at Levack mine. Note the easy handling size of the sections. George is using an air gun to bolt the sections together.



Ore-iginal ornaments



Sudbury YWCA, joined Genevra Richards of the YWCA (right), Vi Taylor and Inco Ontario division president Ron Taylor in admiring a table full of jewelry assembled with pieces of Inco ore.



The jewelry is assembled by "Y" residents and volunteers. Here, Mrs. Gladys Hawkins of St. Andrews Place joins volunteer Mrs. Jean Dick, wife of Graham Dick (newly-appointed assistant to vice-president Gord Machum) at a morning session at the "Y".

Everyone knows Sudbury ore contains precious metals, but it usually has to be mined, milled, smelted and refined before finding its way into milady's jewelry. Now, the Sudbury YWCA is skipping the final three steps and mounting pieces of ore on key chains, bookmarks and brooches and offering them for sale.

The Y's fund-raising project is also providing recreation for residents, volunteers and senior citizens resident in St. Andrew's Place, the new home of the YWCA.

International Nickel has supplied the ore for the items, which range in price

from 65¢ to \$6.50.

The Y hopes these distinctly-Sudbury accessories will become sought-after souvenirs, and will approach the region's new convention bureau to offer them as place- and lapel-card decorations and convention mementos.

How cum?

Where Do You Live and Your Age

Write down your street number. Double it and add 5. Multiply by 50 and add your age. Add 365 then subtract 615. The last number or two numbers will be your age. The remaining number or numbers will be your street address.

How Many Apples and How Old

Write down how many apples you eat each week. Double that number and add 5. Multiply by 50 then add 1723. Subtract your year of birth. The last

figure or last two figures are your age, the remaining figure or figures represent the number of apples. Try it — it never fails!

1089 — How Come?

Take any three numbers between 1 and 9 (not 0) and write them down. Reverse them and write them down again. Subtract the smallest from the larger then reverse that figure and write it down. Add the two figures. Any combination will always total 1089 — How Come?

FAMILY

NOW &



February 1948 Clare and Mildred Mc.Gowan with Marilyn, 7, Terry, 6, Candy just five weeks old, Richard 16 months, and Sherrill, 11. Clare is time keeper at Creighton mine.



Summer 1973 Clare and Mildred Mc.Gowan with Candy and Carol seated in front, Sherrill and Marilyn (right) on either side of their mum, and Terry and Richard (right) with their dad. Clare retired from Levack.



June 1951 Jimmie and Nessie Eadie with Billy at a year and a half and Mary, 4.



Fall of 1973 Jimmie and Nessie Eadie with Mary (Mrs. Brian Crowder) and Billie, now living in Toronto. Jimmie's at Creighton mine.

ALBUM

TEEN



February 1951. Bert and Neella Blackwell of Creighton with their four kiddies; Donald, 2 (left), two-month-old John, Jennie, 3, and Marcella, 5.



November 1973. Bert and Neella Blackwell have almost doubled their family! Seated with their parents are John (left), Chris, 9, and Mary, 13. Left to right in the group standing are Marcella, Donald, Jennie, and Gordon, 18.



June 1951. A Port Colborne couple, Walter and Helen Ruzyski with wee baby Rick and Linda, 5.



October 1973. Walter and Helen's wee one has become a junior giant of six-foot-seven, and little Linda is now a very attractive registered nurse. Walter is a storeman at the nickel refinery.



Bill Lukey's proposal to relocate the limit switch on anode casting wheels earned him \$305. He holds a switch in his hand and in the background a switch is seen in action.



Port Colborne's Paul Radzikoski points to the pitted area in a large cast iron mould. He suggested a different and much improved method of welding these areas and received \$260 for his idea.

SUGGESTIONS – Awards

A nice chunk of extra Christmas spending money, \$2,090 to be exact, was picked up by a number of Ontario division employees for their suggested improvements to safety and operations.

Heading the list is **Harry Walton**, a 1st class machinist at Copper Cliff, who suggested a method of salvaging locomotive housings which resulted in considerable saving. Harry received \$500 for his idea; a nice Christmas present.

Over at the copper refinery **Bill Lukey**, a 1st class electrician, came up with a relatively simple but very practical suggestion concerning the location of the limit switch on the anode casting wheels. His proposal, which is working well, netted him \$305.

Al Pilon was awarded \$115 for his suggested revisions to pellet building screens at the iron ore plant and at the smelter. **Jean Levesque** and **Gerard Sabourin** received \$85 for their proposed change in the practice of purchasing conveyor belt fasteners.

Art Duberry of central shops came up with an improved method of machining

coal plant dryer thrust rollers and was awarded \$65; \$60 went to **Joe Nadalin** of the smelter for suggesting a valve for flash furnace neutralizing tank drain while **Aime Sabourin** and **Albert Godin**, both smeltermen, picked up \$50 each; Aime for his idea of a bolt bracket for the Kent air hammer and Albert for his proposal to recharge water filter cartridges. **Frank Trapasso** of central shops received \$45 for his refinement to welding machines.

There were five \$25 awards: **Enis Harris** of the smelter for suggesting that converter damper shear pin be relocated; **Yvon Carriere**, also of the smelter, warning lights at number 2 and 5 furnaces; **Floyd McNight** additional vent fans on "F" floor; **Bruno Tramontini** of central shops, sheltered storage for punch bars; **Lionel Moyle** also of central shops, improvements to plate shop shear wagon.

Giulio Lisi of the smelter picked up \$20 for suggesting a modification to punching machines and the same amount went to **Loyal Lagrove** of the central shops for winding shop oven improvements. **Howard Maitland** of the copper refinery earned \$20 for his safer method

of oiling anodes and **Johan Goedhard** picked up a like amount for proposing chains for leach absorber water valves.

In the \$15 range were three winners: **Paul Bodson** of transportation for his trolley line overhead switch proposal; **Jim Jerome**, improved cleaning of centrifuge cloth at the copper refinery and **Ernie Schrader** who suggested a walkway covering to the copper room at the iron ore plant.

There were eight \$10 awards. **Jim Stillar** of the smelter for an improved method of clearing crusher chokes; **George Keall**, another smelterman, better bolting on air line swivel joints; **Roger Barrette** of matte processing, platform railing in the F.B.R. extension and Roger teamed up with **Richard O'Brien** in their suggestion on floors in bucket elevators; at central shops **Vern Ramsay** proposed better lighting in the plate shop and **Richard Brignolio** came up with a better idea in purchasing pillow block bearings. At the iron ore plant **Herb Grubber** suggested a safety railing at machine shop washroom door and **Oliver Barriault** proposed a method of identifying welding machines by colour.



Discarding the housings from locomotive motors when they became worn bothered Harry Walton. So he undertook the task of reclaiming them. His idea was worth \$500.

to 36

Port Colborne came up with a couple of sizeable awards in time for Christmas. **Paul Radzikoski** was very happy with the \$260 he earned for his suggestion for an improved method of welding the pitted sections of certain cast iron moulds and **Roger McCauley**, a maintenance electrician, was awarded \$125 for proposing that crane brake linings be bonded to brake plate, similar to car brakes.

John O'Malley of the anode department received \$25 for his idea of fans at the back tap hole on the anode furnaces and **Dave Roberts** of the same department came up with some changes to relieve congestion in the spray pits that was worth \$15.

Ray Beauregard was awarded \$20 for his proposed improvement to the disposal of scrap nickel cuttings and **Rudy Toth** picked up \$15 for suggesting better lighting around the nickel shears.

For suggesting improvements in the feeding system to the pachuca tanks **Will Teal** earned \$25.

The "triangle" is happy to salute this new group of budding Edisons.

Malaysia bound

Lionel Roy leaves on an expenses-paid trip to Malaysia later this month, but it's not a holiday. Lionel, retired on pension since July, is a volunteer with CESO (Canadian Executive Services Overseas) and will aid the Malaysian government in establishing a computer training program.

Lionel and wife Aileen have already left their Copper Cliff home, en route to Paris where they will visit their son John and be joined by daughter Diane, a student in Toronto, during the Christmas break. Travelling further east, the volunteer couple will meet daughter Jennifer in Delhi, India, and proceed to Kuala Lumpur, the Malaysian capital and their CESO posting. Lionel, who obtained a B.Sc. in business administration from UCLA's graduate school in 1971, is a professional member of the Association for Systems Management and holds a professional certificate from the Data Processing Management Association. He will remain in Malaysia for about one year.



Lionel Roy, an Inco employee since 1936, retired on pension and now a CESO volunteer.



The Canadian Police Service medal was awarded to Chuck Greenough, assistant superintendent of plant protection, recently to mark his 20-year service with police forces in Canada.

Bert Hague, deputy chief of the Sudbury Regional Police Department,

Service award

Sudbury Regional Police Department's Deputy Chief, Bert Hague (left) presented the Canadian Police Service Medal to Chuck Greenough recently.

made the presentation.

Chuck is the former deputy chief of the Copper Cliff Police Department, and was on that force for 17 years before joining the company in 1973. He has also served three years with the Royal Canadian Mounted Police.

CUSTOM GUNS SALES & SERVICE GUN REPAIRS BLUEING RELOADING

In the sights

Have you a favourite gun that requires re-conditioning, repairing, re-blueing or custom fitting, or an antique shooter that needs restoring? How's your supply of shotgun or rifle shells?

If you're fortunate enough to live in the Niagara District, a visit to the gunsmith shop of Len Stricharuk on Hanniwell Road in St. Davids would be well worth the effort. Len is a design draftsman in the engineering department at the Port Colborne nickel refinery by day but in the evenings and on week-ends keeps busy in his basement workshop putting his skill to the test with the many problems that hunters present to him.

Len was born in Hearst, Ontario, but moved to St. Catharines in 1940 and has been with Inco since 1971. He and his wife, Tena, have five children; Jack and

Daniel are now living in British Columbia, Ronald, age 17, Jeanette, age 15, and Evelyn, age 5, are all at home. When dad needs a helping hand loading shells or completing the many other tasks requiring assistance, there's always a willing volunteer ready to pitch in.

He's always been interested in guns, and his mechanical background makes him ideally suited to pursue his second vocation.

In the beginning, most of his work was done as favours for his many friends, but five years ago he decided to get into the repair bit on a business basis and two

years later opened his shop after acquiring the necessary equipment from a gunsmith friend who was retiring.

From his experience, Len finds that most gun damage is the result of carelessness. An unprotected gun can get quite a beating riding around in the trunk of a car, especially when bouncing over rough country roads. He suggests that a gun can be kept free of nicks, dents and dognail scratches by sliding it into a full length gun case or a folded blanket. Immediately after a hunting trip, all guns should be properly cleaned and oiled before storage.



A design draftsman at the Port Colborne nickel refinery by day, Len Stricharuk changes hats evenings and week-ends to apply his skills at the gunsmith trade.



Ready to tackle any shooter problems, including the restoration of old guns, Len finds that many spare parts are non-existent — so he manufactures his own.

His shotgun loading machines are on the go steadily in the fall. Here he gets some expert assistance from Evelyn, the youngest of his five children.



especially if military ammunition has been used and the gun case is vinyl covered. Condensation is contained in the plastic pouch and the gun can become corroded overnight.

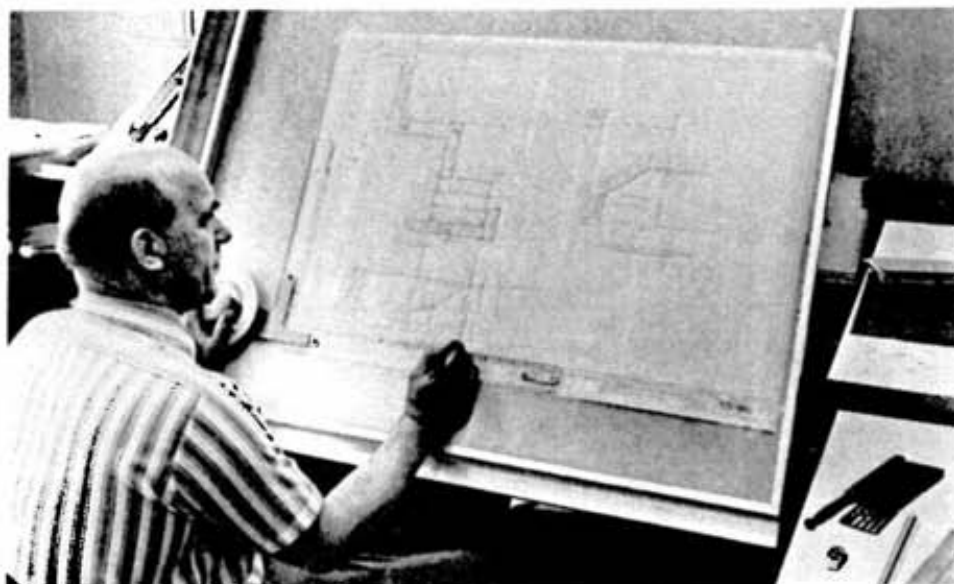
"Restoring old guns presents many problems," said Len, "spare parts are just non-existent and I have to make them from scratch." He's in the process of restoring a Zulu 12 gauge shot gun which is over 100 years old and was used during the Zulu wars in South Africa.

As in other sports, it's common practice to fault equipment. Before leaving on

a hunting trip sights should be adjusted, and the hunter should know the ballistics of the cartridge he's using plus the amount of drop at a given distance. Len has a bore liner in the shop which is accurate within 2 inches at 100 yards. Final adjustment can be made by the hunter during target practice. Len has found from experience that most shots at a deer or moose aren't over 100 yards, but could be made at 200 yards. His theory is that the rifle should be sighted right on at 200 yards then at 100 yards. Using, for instance, a 30 calibre with a muzzle velocity of 2,700 feet per second,

the shot would be one and a half inches high at 100 yards. This can be compensated for.

"The success of a hunting trip," observed Len, "can hang on the results of a single shot. Knowing the gun and using it as it should be used can make the difference between success or failure of a very expensive hunting trip. Even more important, it can mean the difference between a quick, clean kill and a wounded animal — or a bear hide on the wall rather than bear tracks all over your face."



A native of Hearst, Ontario, Len moved south in 1940, and joined Inco at the Port in 1971. A typical daytime pose — Len at the drawing board.



A 150-year-old dugout canoe that has been submerged in Windy Lake has naturally deteriorated. Coleman mine hoistman Joe Kuhle (left), wife Hannelie and Dr. Ed. Newberry of Laurentian University position loose pieces.

Bottoms up

The bottom of Levack's Windy Lake is littered with lumber that drifted away from log-booms on the lake at the turn of the century and sank. Joe Kuhle, a hoistman at Coleman, has made a hobby of diving for, and retrieving, these logs.

Joe sometimes dives unencumbered by sophisticated gear. He simply holds his breath; up to two minutes, he says (certainly long enough to worry his wife, Hannelie, on some occasions).

On one dive recently, he recovered what has since been identified as a 150-year-old dugout canoe, part of a primitive rent-a-canoe system popular among natives and non-natives alike along the shores of Lake Huron. This type of

canoe, more sturdy than the birch bark variety, was left on lakes to be available the next time a fisherman passed through, thus saving the trouble of portaging his own craft numerous times.

Dr. Ed. Newberry, of the Native Studies programme at Laurentian University, confirmed Joe's find and supplied the historical background. He will continue to study the craft with the assistance of Prof. Helen Devereux, of the University's Department of Anthropology.

In the meantime, Joe is looking for a permanent home for the relic. He has already refused advances from museums in southern Ontario, claiming the artifact should remain in the north.



Joe found the canoe while pursuing his hobby of retrieving lumber from the bottom of Windy Lake. Some of the timber, which broke away from log-booms on the lake at the turn of the century, still bears recognizable ownership marks.

New C.O. for C.C.H.

Captain Alex Gray salutes his retiring commanding officer, Major Geoff Hervey. Lt. Ted Lumley, of instrumentation, acted as Major Hervey's aide-de-camp on the day of his retirement, remaining on the field as Geoff marched off alone.



Geoff Hervey marched from the parade ground alone, recently, after turning over his 10-year command of the Copper Cliff Highlanders cadet corps.

Geoff, who works in the accounting department, took his final salute and left the field, leaving Alex Gray to assume

command of the corps. Alex, Inco's agriculture foreman, is only the fourth officer to command the 56-year-old corps, which has recently returned from field firing exercises at Petawawa.

Geoff holds the rank of Major, and has

The front rank of the Copper Cliff Highlanders are "at ease" during the change of command ceremony. The corps now numbers 65, including the nationally famous Pipes and Drums, formed in 1950 under Pipe Major Bill Livingstone.



been associated with the cadets since 1952. Alex is a Captain after his three-year association with the corps. Both men saw service overseas during the Second World War, Geoff with the Royal Canadian Corps of Signals, Alex with the 5th Battalion Scottish.



Mike Streib (kneeling), of Uplands Pheasant Farm, who supplied the birds, shows them to club members Inco pensioner Benny Sanko and Bob Ayotte.

Up-up & away

If you like the look of guns worn old before their time from use and care, if you like the talk around a clubhouse and the smell of powder and gun oil, or if you like to shoot and enjoy the games of trap and skeet, then the Port Colborne and District Conservation Club was built by people just like you.

In September of 1954, the club consisted of four men holding meetings in various halls in Port Colborne and Humberstone. The club now has 50 members meeting in their clubhouse built in 1961 on Brookfield Road. The area encompasses some 18 acres and includes a range for trap and skeet

shooting where the members can sharpen up with target practice.

Since its inception, the club has released approximately 200 pheasants per year throughout the district in the weeks prior to the opening of the pheasant season. In the beginning, the club raised its own birds, but for the past few years has bought them. This year, they purchased 75 cock and 75 hen birds from the Uplands Pheasant farm in Aylmer. The male birds were 15 weeks old when released, but the hen birds were not released until after the two-week hunting season.



Ed Balogh, president of the Port Colborne and District Conservation Club, releases a pheasant in the club's annual re-stocking program.

2 more make 25



With president L. Edward Grubb, new Toronto Q.C. Club members Keith Diebel (centre) and David Fazekas.

The 13th annual dinner of the Toronto Chapter of the Quarter Century Club was held at the Royal York Hotel. Boosting the membership to 49, the two new members who received their pins

from Inco president L. Edward Grubb were Keith Diebel, exploration, and David Fazekas of the J. Roy Gordon Research Laboratory, at Sheridan Park, Ontario.

Appointments

- T. D. Parris**, executive assistant to the vice-president mining and milling.
- J. R. Felck**, executive assistant to the vice-president smelting and refining.
- G. A. Dick**, assistant to the vice-president smelting and refining.
- S. Merla**, manager, copper refinery.
- R. J. Neal**, manager, Copper Cliff smelter.
- H. S. Judges**, division planner.
- V. Orlando**, superintendent office services.
- P. Revey**, superintendent industrial engineering, maintenance and general projects.
- Lucien Villeneuve**, superintendent Shebandowan mine.

INCO ELSEWHERE



Shift foreman John Pugh shows the first two women production employees who will work three shifts around the cold drawing department. In the centre is Mrs. Mair Lyn Martin and on the right Mrs. Cynthia Simms.

Wiggin's women

For the first time since moving to Hereford, reports "Wiggin News", Henry Wiggin and Co., Ltd., an Inco subsidiary in England, is employing women in production work on a three-shift basis.

This move has been brought about by the current shortage of male labour in the area and the considerable upsurge in demand for products experienced in recent months.

"We have employed women in our plant during the day on production, inspection, and warehouse work for many years now," said personnel manager Mike Eley, "and they have shown that many jobs once thought the preserve of men can be done equally well by women.

"The rates of pay, and other conditions of employment we offer, are attractive and very competitive locally," concluded Mike, "and the response to our advertisements has been good."

Bubble bath bounce

The "Inco Reporter" tells us that high-board divers may expect a softer "landing" in future — thanks to the "bubble bed" invention of Al Williams, senior analyst in charge of International Nickel's X-Ray Fluorescent Laboratory at the Acton refinery in England.

Al is one of the national diving coaches of the Amateur Swimming Association of Great Britain and instructs many young people in diving, including his sixteen-year-old daughter Beverley, who was in last year's Olympics in Munich, and later became the first and only British swimmer or diver to win a gold medal in the European Youth Championships since they started in 1965.

It is an extremely painful experience to

misjudge a dive, particularly from a high board. In fact, from a 10-metre board the body enters the water at 40 m.p.h., so an error could easily result in broken bones or other severe injuries. This is because water is not compressible; it does not "give" when you hit it, merely moves aside. So, thought Al, how could one make water compressible and thus "softer"?

Beverley attends many diving events around the world and last year in Montreal, she dived in a pool equipped with a device for introducing millions of tiny bubbles of gas under pressure into the water, thus producing a compressible gas-water-mixture. No amount of investigation on the part of Al could find any information whatever about this device. So he decided to build his own. It works!



Al's bubble machine in action! Dennis Willison, junior high board champion of Great Britain, dives into the foaming waters of Crystal Palace baths, with Al in the background at the controls.



Drawing spontaneous applause from the partygoers



. this dazzling dozen, the Ida Sauve Dancers.

N.C.C. & S

How would you like to repeat this statement: "I'm taking my wife/girlfriend to the annual supper dance held by the Copper Cliff number three shift pension and welfare association of the nickel, copper, casting, separation and Orford buildings." Quite a mouthful, but some 250 members said it, took their ladies, and had a rollicking evening at the Sorrento Hotel recently.

Good food, and sparkling entertainment provided by the Ida Sauve dancers and that master of comedy pantomime Gord Massey was followed by what must have been the liveliest music of all time tootled by Roy Markiewicz and his Continentals.

As usual, the entertainment committee, headed by chairman and jovial emcee Dennis Thyne, did a bang-up job.



Door prize winner Lorraine Bernier with "Shiner" Corelli and slippery tongued emcee Dennis Thyne.



Joe Church (right), regional geology manager, North America for The International Nickel Company of Canada, Limited, joined Walter Curlook (second from right), vice-president of administration, Ontario division, in presenting Inco Open Scholarships recently. Marilyn Jones (left) and Glenda Stark (centre) of Cambrian College, were honoured. Between the two girls is Rose Potvin, assistant-registrar at the college.

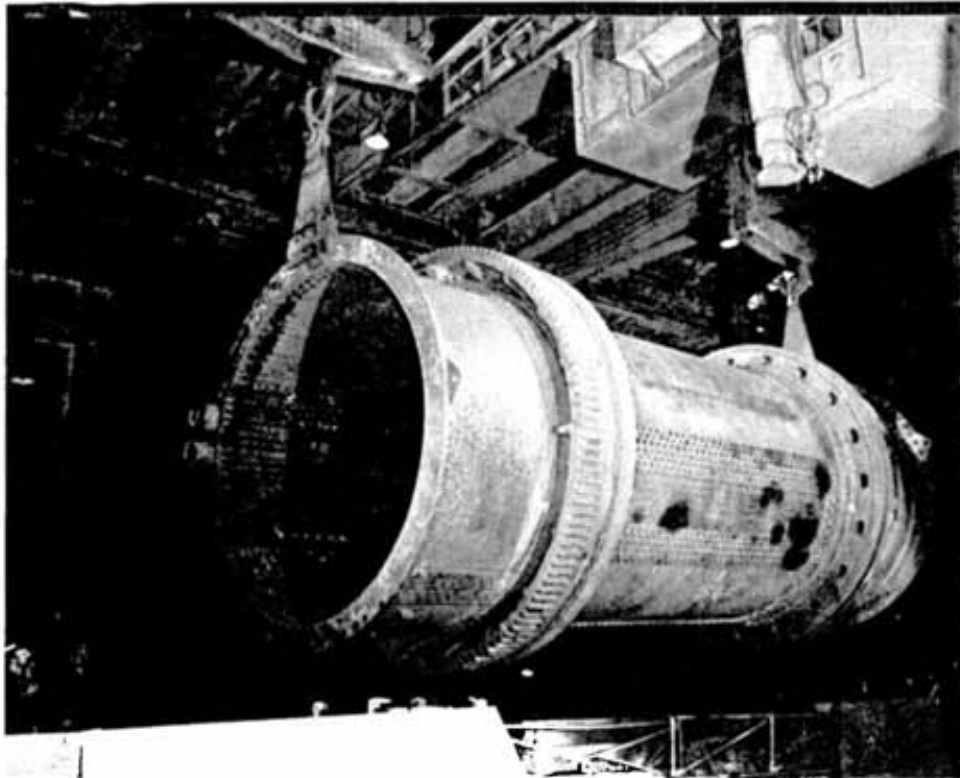
Top two

Two Sudbury students have been awarded Inco Open Scholarships with a value in excess of \$800 each.

Marilyn Jones, 23, a geology technology student at Cambrian College, and Glenda Stark, 22, an audio-visual student at the community college, received the two scholarships awarded annually to second-year students by The International Nickel Company of Canada, Limited. The scholarships include a grant of \$250, a stipend of \$300 and payment of fees at the college.

Miss Jones, the only girl in a class of 14, completed her first year of studies with a standing of 3.97 out of a possible 4. Her award was presented by Joe Church, regional geology manager, North America.

Miss Stark achieved a standing of 3.92 and received her award from Walter Curlook, divisional vice-president of administration.



Quick fix

Completely overhauled and tipping the scales at 80 tons, this converter shell is leaving the No. 1 converter site for duty in the aisle. It will exchange places with a converter shell in need of a major replate job.

Refractory linings and the steel shells of the Copper Cliff smelter's eighteen 35-foot by 13-foot diameter converters take quite a beating from 2,200°F temperatures and chemical and mechanical actions of the molten bath. The linings last between three to four months, and shells need a major replate job every three to four years.

Since their installation and until about a year ago, the converters were replated where they stood and the entire repair

job, including new refractory, would take a converter out of production for a month.

With the shutdown of No. 1 converter — a move to improve in-plant gas conditions — a new maintenance format was conceived that reduced converter downtime to eight to ten days, the time required for refractory replacement.

When refractory replacement becomes necessary, the lining is knocked out by a mobile pneumatic breaker and the 80-ton

steel shell is lifted by two of the 60-ton main aisle cranes and transported to the No. 1 converter site for overhaul. A completely overhauled shell sitting on the No. 1 converter trunions is ready for exchange.

As well as reducing production loss, the new system has a number of hidden advantages. Repair work on a "work bench" basis has proven to be safer, of higher quality, and provides a tailor-made schedule for maintenance.

Partially relined, a converter must be rotated to allow completion of the job. Installing frames to support the masons' completed portion are Duerio Pagan (left) and John McKechnie.



Grunts & Groans

*There once was a wrestler named Blazer,
Who was as bad as a bad guy could be.
Now he works in the Copper Cliff smelter,
Dennis Pella's a good guy, you see.*

*Started out wrestling in Sudbury,
In the year 19 and five and six,
As a wrestler he never went hungry,
But he got into many a fix.*

*To find out more about him,
And that Southern fix
(where things were really grim),
Please read our story, see our pix.*



Dennis Pella, as Ray Blazer puts a body stretch on Vince Grant in Detroit, 1959.

Ray Blazer travelled throughout the southern and eastern United States being booed wherever he went. He was a bad guy; a villainous grunt-and-groaner on the wrestling circuit. (At one point, in Atlanta, he was so despised that knife-wielding fans invited him to leave the ring and prove his fighting ability among them.)

Dennis Pella, who works in the FBR department, is, and isn't, Ray Blazer. Dennis was the wrestler, but to the best of our knowledge isn't a villain.

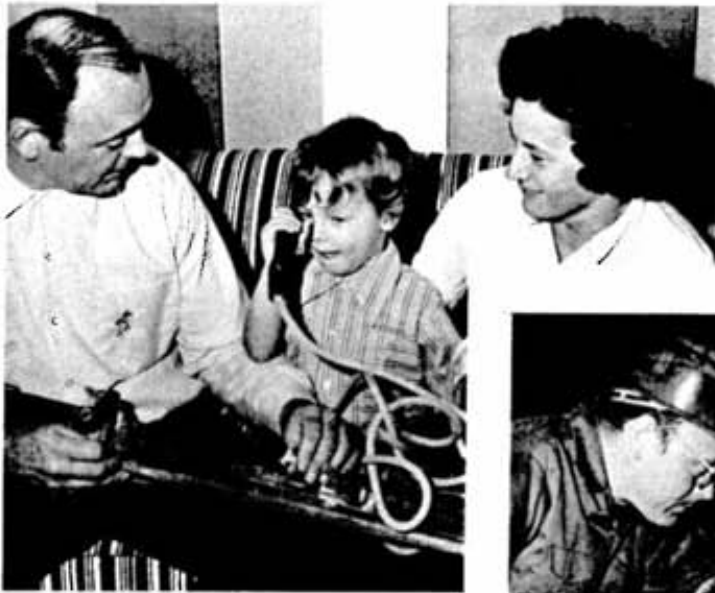
Born in Kitchener, but raised in Sudbury, his wrestling career was launched by local promoter Larry Kasaboski, who needed a referee for a pro card at the Inco Club in 1956. Dennis was found working out in the gym and was drafted for the job. He started working out with the wrestlers shortly after, and joined the pro circuit in 1957. He retired in the early '60s after working in 33 states and twice challenging the mid-west tag team champions.

Although retired as an active wrestler, Dennis has continued officiating, and can be found on the local Sudbury-North Bay-Sault Ste. Marie circuit. He is active in other sports as well, being an avid skier and canoeist.



The bad guy gets his just rewards, and the crowd rises in appreciation.

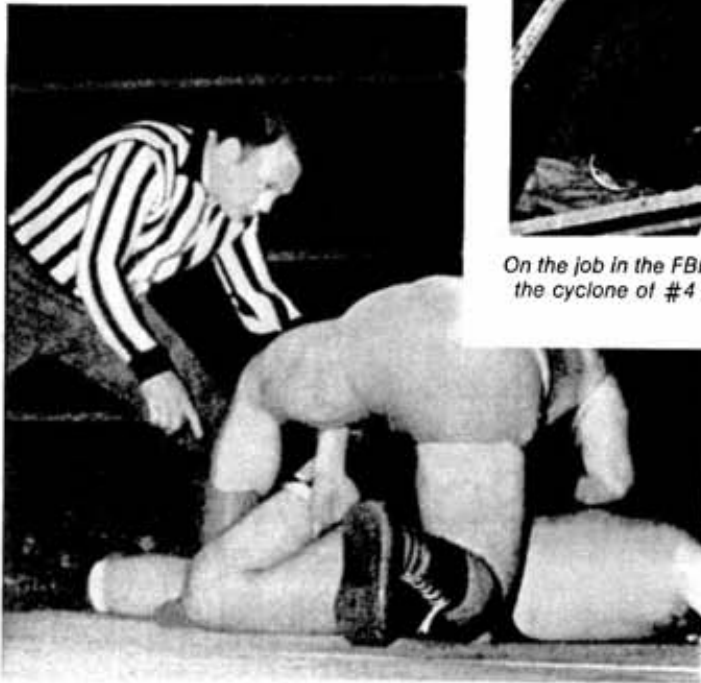
Dennis still works out in his basement, and four-year-old son Dean holds part of the equipment. Dennis and wife Anne also have twin five-year-old daughters, Sandra and Deborah.



A retired wrestler turned ref, Dennis admits that all sorts of things are legal in wrestling, such as applying your foot to the back of your opponent's knee.



On the job in the FBR building, Dennis inspects the cyclone of #4 roaster for tube clearance.



Dennis keeps a sharp eye on excruciating pain at the Sudbury Arena, and other wrestling venues in the north.



Gorgeous George Grant massages Dennis Pella's dainty ankles in a bout fought at the Inco Club in 1962.



Conrad Lavigne (right), president of the Mid-Canada Television System, explains to Mike Solski (second from left) how Inco's new "Sports Cavalcade" program is recorded on tape. Also interested are Mel Young, assistant to Inco's Ontario division president and Gayle Gilmore continuity chief of CKNC-TV.

ON CAMERA

With the popularity of the regular weekly television show "Fin, Fur and Feather" firmly established, Inco has extended its coverage of local activities with the addition of a new weekly televised series entitled "Sports Cavalcade." This hour-long program, shown at 6 p.m. each Saturday on CKNC-TV, channel 9 in the Sudbury area, features action from various local sporting events, major and minor, during the preceding weeks.

It is hoped that this series will provide proud mothers, fathers, brothers, sisters and friends with the opportunity of seeing their favourite relative or friend in action on TV.

A feature of the program is the different concept and approach to the Inco "commercial". In this new format the keynote is "Something Proud" and during the commercial breaks many of our community benefits and amenities — colleges, schools, parks, clubs, etc. — are extolled. In the Sudbury district there is much about which we may well be proud.

This series of programs, which commenced late in September, was introduced by Inco's Ontario Division president Ron Taylor, with the well-known voice of announcer Bill Walker easily recognized in the "Something Proud" features at the show's opening and closing.



Mr. Timex, Mr. Meteor, and Mr. Inco. That's Bill Walker, popular and versatile announcer who was in Sudbury recently to tape the voice for the "Something Proud" portion of Inco's new Saturday sports program. At the controls is CKNC-TV operations manager Ron Goswell.



1974 Scholarship Program for Children of Employees

Up to twenty-one scholarships will be awarded this year for study in Canadian universities. The awards have a possible tenure of up to four academic years and annually provide for tuition and associated fees and a grant of \$500 for other expenses.

ELIGIBILITY

Children of Inco employees enrolled in a program of studies required for university admission and who will graduate with a secondary school diploma in 1974.

SELECTION

An impartial Scholarship Committee will meet in May 1974 to select award winners on the basis of scholastic records, SACU scores and personal qualifications. The names of the winners will be announced about June 1, 1974.

APPLICATION

Application forms, instructions and conditions governing the awards may be obtained from local schools or from:

Educational Aid Section

The International Nickel Company of Canada, Limited

P. O. Box 44

Toronto-Dominion Centre

Toronto, Ontario

M5K 1E3

APPLICATION DEADLINE

Applications must be returned by *March 15, 1974.*



A Christmas Message

*Christmas is the warmth of chestnuts roasting on an open fire
... the warmth of a tree aglow with lights and the scent of ever-
green in the living room.*

*Christmas is the warmth of a kitchen when cookies are baking
... the warmth of walking arm in arm on a starry winter night.*

*Christmas is the warmth of friendships renewed, a kiss on the
cheek, a firm handclasp, or a "Merry Christmas" from a passerby.
It's the warmth of bells and carols making again the promise of
"Peace on Earth," and the hope in our hearts that it shall be so.*

Pearl S. Buck

