

INCO TRIANGLE

VOLUME 28

COPPER CLIFF, ONTARIO, APRIL, 1968

NUMBER 1



Historic Occasion at Creighton No. 9

(Story on Page 13)



Published for all employees of The International Nickel Company of Canada Limited

D. M. Dunbar, Editor
D. J. Wing, Assistant Editor

Editorial Office, Copper Cliff, Ont.

Authorized as second class mail by the Post Office Department, Ottawa, and for payment of postage in cash.

Material contained in Inco Triangle should not be reprinted unless permission has been obtained from The International Nickel Company of Canada, Limited, Copper Cliff, Ontario.

Bob Rodger Had 34 Years at Inco

Mechanical superintendent at the Copper Refinery since 1950, Bob Rodger has left the hustle and bustle of that busy plant to enter retirement on disability pension after almost 34 years with the Company.

A heart condition that has bothered him for several years prompted his departure from the world of machines he has known since he was a young man of 18.

Born in Dumfries, in the southern lowlands of Scotland in 1908, young Bob didn't have much of a



Mr. and Mrs. Rodger

chance to appreciate the bonny purple heather before he was whisked off to Montreal with his family when he was four.

A move to Sault Ste. Marie followed five years later. At 18 he entered into four-year machinist apprenticeship with the Algoma Central Railroad, and upon graduation set out to expand his engineering knowledge in Chicago and Detroit. Returning to the Soo in 1933, he was employed in the mechanical department at the Algoma Steel Company, then made a successful bid for Inco in 1934, and was soon working for foreman Bill Trezise in the Copper Cliff machine shop.

During the years that followed Bob had a roving commission including inspection and maintenance of plant machinery and construction. He was involved in the installation of an additional 17 mills in the concentrator, the expansion of the crushing plant, the addition of No. 13 converter, and changes at the coal plant.

He was promoted to fitter foreman at the mill in 1943, and in 1946 became assistant mechanical superintendent at the Copper Refinery. He was appointed superintendent of the department on the death of Al Wellbush in 1950, and maintenance superintendent in 1967.

More recently Bob has had a

Thompson Arts Festival "Brilliant Success"



With 217 entries covering a wide scope of talent, Thompson's second annual Arts Festival was termed "a brilliant success" by the adjudicators, Lorne Watson, head of the music department at the University of Brandon, and Mrs. J. C. Ash of Film Flon, who judged the spoken poetry and choral reading section. Sponsored by Parmigan chapter of the IOOE, the four-day event was staged in the R. D. Parker Collegiate auditorium. Chairman of the festival was E. Dueck, and emcee of the final concert and awards presentations was Mrs. D. E. Munn. Above, the Thompson Centennial Chorus is shown receiving the Northern Lite Plumbing and Heating Trophy, with John J. Haas making the presentations to Jacob Hoepfner.



One of the many excellently coached children's groups in the festival was the United Church kindergarten class, of which Mrs. D. Linquist is the teacher. Here they watch proudly as David Drejko receives the Thompson Jewelry Trophy from Mike Marfopoulos.

leading role in the planning of the upcoming refinery expansion.

His wife, a native of the Soo, was Violet Goodman before their marriage in 1935. They have one son, Bruce, and a daughter Leslie who is married to Iron Ore Plant leaching plant operator Tom Finlayson.

A refinery staff party marking Bob's retirement was held at the Caswell Hotel, and 50 guests were present to bid farewell to the Rodgers. A photography fan, Bob was delighted with the camera that was presented to him. "It's time I had a new one," said he with a typical quip: "My old one always cuts people's heads off." Mrs. Rodgers received a bouquet of red roses.

The Rodgers will be returning to the Soo for their retirement years, and already have a comfortable apartment lined up. Their summers will be spent at the cottage they have owned on Point Louise, on the upper St. Mary's River, since 1948.

UBC Gets \$100,000 Grant from Inco

A contribution of \$100,000 over five years has been made to the University of British Columbia, Vancouver, by The International Nickel Company of Canada, Limited.

This unrestricted grant is part of the company's program of continuing aid to education which includes provisions for grants to leading universities, particularly those committed to exceptional accomplishments. In announcing the contribution, P. Foster Todd, executive vice-president, said it was being made "in the belief that in the coming years the University of British Columbia will continue to give leadership in high standards of education, both in its undergraduate and graduate programs."

Since 1956, when International



The International Nickel \$75.00 scholarship was presented by W. K. Newman, superintendent of personnel, to 16-year old soprano Candace Wiebe, daughter of High School guidance counsellor John Wiebe.

Nickel's enlarged program of aid to education was initiated, over-all donations have reached approximately \$10,000,000 in Canada.

Inco Family Album



A fine new house in New Sudbury is home to Crean Hill shift boss Ron Geddes, his wife Janette, and their two charming youngsters, Elwin, 4, and Dee-Anne, 2. Ron hails from Parry Sound, joined Inco in 1964. His wife comes from Powassan.



It's practically a convention when the Bourque family of Port Colborne get together, and a rousing time they have. In the back row here are Luc, 17, Marcel, 28, Diane, 19, Gilles, 21, Raymond, 20, Rejeanne (Mrs. Paul Perreault), Suzanne, 14; seated are Yvon, 15, Mr. Bourque, Lucy, 15, Denise, 8, Madeleine, 11, Alette, 5, Mrs. Bourque, and Pierre, 7. Coming to the nickel refinery in 1947, Vic Bourque is now a carpenter "B" leader.



John Westra joined the Company at Thompson as a converter operator in 1962, and has been a smelter shift boss since 1964. His wife Jane is a member of the pay office staff. Their trio are Susan, 5, Tony, 7, and Mona-Lisa, 4. A native of Holland, John came to Canada in 1948, and was a dairy farmer near Fort Frances, where he still owns a 320-acre farm.



This is the large and happy family of Harold and Jean Keast. A machinist at Copper Cliff, Harold, a native of Creighton, joined Inco as an apprentice in 1939. Their smiling seven are Lois, 18, Geraldine, who is training to be a hairdresser and created the attractive hairstyles of her mother and sisters, Bobbie, 13, Joan, Maureen, 15, and twins Ronald and Theresa, 5.



Marcel Melanson is a slope leader working on the 6400 level at Creighton No. 8 shaft. Both natives of Montreal, he and his wife Therese left the big city for Sudbury in 1961. Construction at the Iron Ore Plant preceded Marcel's move to Inco in 1963. Their five charming youngsters are Manon, 8, Carole, 6, Marie-Therese, 18 months, Stephane, 3, and Jocelyn, 9. Marcel's full time hobby is working on and around their 10 room home on Demarest Street.



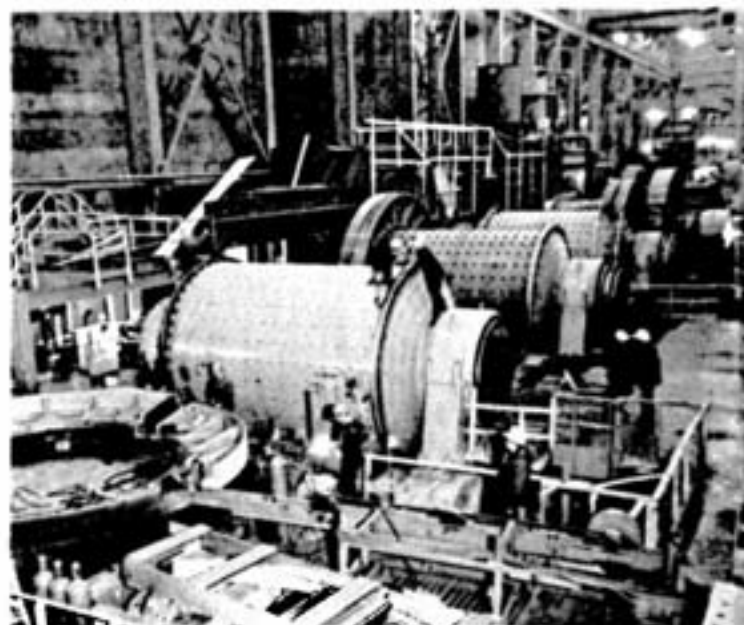
It's all boys in the Val Caron family of Stobie mechanical department rigger Noe Leger, but busy wife and mother, Corinne, enjoys sharing the regular snowmobile and fishing outings that the family makes during both summer and winter. Both parents hail from Moncton, New Brunswick, and came west in 1950 when Noe joined the Company at Frood. Owners of the shining young faces are Marcel, 11, Raymond, 12, Andre, 3, and Donald, 8.

The Manitoba Explosion

The \$100,000,000 expansion program, to boost nickel production in Inco's Manitoba division to 170,000,000 pounds annually, is swinging along on schedule. At the plant at Thompson, and at the three new outlying mines, the huge construction and development boom proceeds on a scale that commands province-wide attention and enthusiasm. Here are some pictures depicting the scope of the activity.



Extension of the smelter, shown almost completely sheeted in, is being carried out in two stages. Two converters, a 32-kva electric furnace, a fluid bed roaster, two filters and a thickener are being added in 1968. In 1969 another converter, another 32-kva furnace, a filter and two thickeners will be installed.



Also divided into two stages is expansion of the concentrator. Three more grinding mills are being added to the existing three this year, and another three will be installed in 1969. The flotation capacity will be almost tripled.



Immaculate and gleaming like a bride's kitchen, the compressor room at Soab North mine is right in the tradition of good house-keeping at all such Inco installations.



Among the extensive new trackless mining equipment being put to use in the Manitoba division is the "Giraffe", brain-child of mines superintendent Horace Boucher. It's seen here on 600 level at T-3 shaft, with Wayne Lapierre and Dave Drummond on the platform installing roof bolts. The "Giraffe" is also used for scaling, loading, and installing sandfill catwalks.



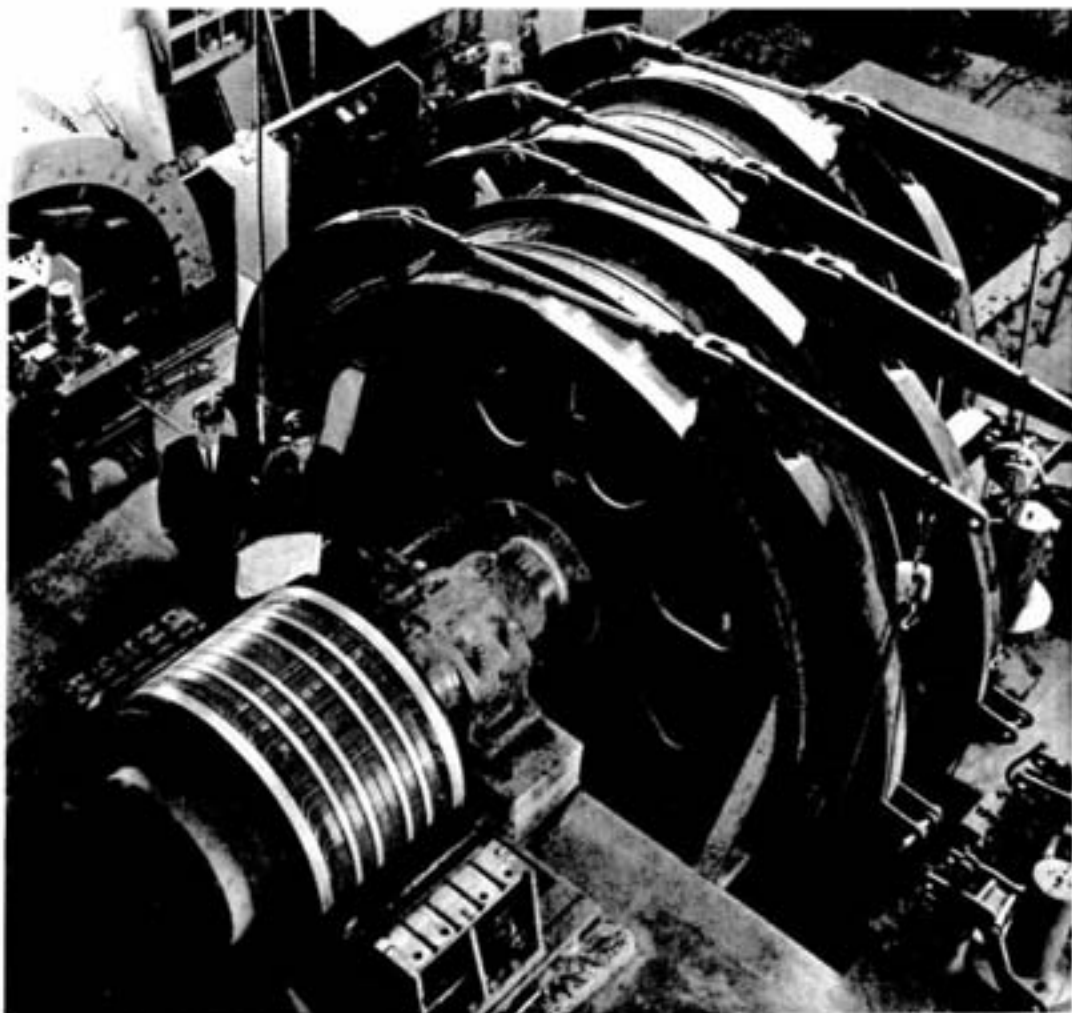
The expansion program has stepped up the already pressing need for additional office accommodation at the Thompson plant, and the administration building is getting an extension to the back wing and a second storey all around. Building services will be installed in the penthouse. The top of the T-1 shaft headframe appears in the background.

Friction-Type Hoists At Birchtree Mine

Among the massive installations involved in the Manitoba division expansion is the hoisting equipment at No. 1 shaft of Birchtree mine, which will go into production later this year. Picture shows the pulleys of the two big friction hoists that are being erected in the top of the 200-foot concrete headframe. Checking with the engineering drawings are mine superintendent Arvo Sirkka and senior mechanical engineering assistant Bill Chaddock. In the foreground is seen the motor for one of the hoists, prior to installation of the top half of the stator.

This installation is similar to that at T-1 shaft. Friction hoists are also slated for the new Coleman, Frood-Stobie No. 9, and Little Stobie operations in the Sudbury district.

On a friction hoist the drive to the ropes is produced by friction from the hoist pulley, whereas, on the more conventional drum hoist, one end of the wire rope is attached to the drum and the rope winds on and off the drum like the line on a fishing reel. Where the additional flexibility of the drum hoist is not needed, and other factors related to the hoisting requirements of a mine are favorable, the friction-type or Koeppel, hoist is frequently selected.



Big Challenge in Providing Housing for 1500 New Inco Employees Expected in 1970

Of over-riding importance to a huge expansion program such as Inco's is residential development. Acclaimed as the fastest growing community in Manitoba, with a population now topping 16,000 and expected to reach 25,000 in 1970, Thompson is fairly humming with housing projects. Above, in the Southwood subdivision, are seen some of the 228 single family dwellings that were started in 1967 and are rapidly nearing completion. Below, at the intersection of Westwood Drive and Thompson Drive, are three of the 12-family apartment buildings that will be completed early this year. Other housing con-

struction, either underway or in the planning stage, includes a high-rise apartment building, single family dwellings, walk-up apartments and blocks of row housing. Another new subdivision, Thompson Heights, on the Mystery Lake Road, is being prepared for development. The crash construction program required to provide homes for approximately 1500 new employees expected to join Inco's Manitoba operations in 1970 is a formidable undertaking, but any close observer of Thompson's amazing development in the 10 years since it was launched has no doubt the challenge will be met.





John McCreedy, general manager of the Manitoba division, presents the Inco Trophy to Thompson's 1968 first aid champions, the Refinery team: Del Bailey, coach, Royce White, captain, Gordon Brewster, Alvin Harder, Stan Perzylo, Lorne Kuzma, Richard Branning.

RIGHT: A collision between a car and an autoboggon that was attempting to cross the highway, resulting in extensive injuries to the two drivers, was the realistically presented problem that the three competing teams had to tackle. The Mine team is shown in action here. At the mike is the umpire, safety engineer Wilf Lederhaus.

REFINERY WINS INCO TROPHY IN MANITOBA FIRST AID FINAL

In attempting to cross a highway an autoboggon was struck by an oncoming car. The driver of the car received a fractured arm and lacerations to his face, with embedded glass. When help arrived he was not breathing. The driver of the autoboggon was unconscious, and had a fractured fifth vertebra and severe lacerations to his hand and wrist.

This was the situation that faced the three teams competing for the Manitoba division first aid championship at Thompson, with the Inco Trophy at stake.

Smoothly coached by Del Bailey and alertly captained by Royce White, the Refinery team came out on top, but they had to go some to outpoint the other two thoroughly trained squads, Mine and Surface & Miscellaneous.

Other members of the Refinery squad were Gordon Brewster, Alvin Harder, Stan Perzylo, Lorne Kuzma, Richard Branning.

General safety engineer G. E. Vivian welcomed the large audience and stated that the three teams they would see perform were the finalists from 44 teams after two rounds of elimination contests. He introduced the judges, Dr. J. B. Johnston, Dr. H. K. Standing, and J. Jeffries, field manager of the Mines Accident

Prevention of Manitoba, and also the umpire, safety engineer W. J. Lederhaus.

The Mine team was first to take the floor and tackle the tricky and highly involved problem, followed by Surface & Miscellaneous and then Refinery.

The services of a professional makeup artist were engaged to make the injuries of the accident victims appear as realistic as possible.

Keen Audience Interest

The spectators followed the progress of the contest with keen interest, many tabulating their own scores on their judgment of the teams' performances. The knowledge, skill, and presence of mind displayed by the first-aiders was a revelation to most of the gallery.

Personnel of the Mine team was Lorne Stephens, coach, George Williams, captain, Douglas MacKenzie, Rolland Cadotte, David Robson, Gordon Webb, and Ken Love. The Surface & Miscellaneous lineup was James Kennedy, coach, Guy Vallieres, captain, Albert Klassen, Montgomery Beck, Pierre Four, Len Ferguson, Claude Levasseur.

In announcing the Refinery's victory, Dr. Johnston commented on the continuing improvement in



Refinery first-aiders Stan Perzylo assesses the injuries of the car driver, Ron Malach, who looks to be in pretty bad shape. The other accident victim, driver of the autoboggon, was Ron Nowakowski.

the calibre of the competition from year to year, and spoke of the benefits of the Inco first aid training program to the community at large.

General manager McCreedy warmly congratulated all the participants in the competition, and also the individuals connected with the first aid training program for their enthusiastic interest and valuable assistance. He stressed the importance placed by the Company on first aid training, presenting figures to indicate the magnitude which the program has assumed. He then presented the Inco Trophy and individual prizes to the winning Refinery team, and prizes also to the members of the Mine and Surface & Miscellaneous teams. He also presented gifts to the judges.

The victors received cash awards, fluorescent desk lamps, and inscribed tankards which their happy recipients presumably lost no time in putting to good use. The runner-up teams in both the final and semi-final contests also received inscribed tankards.

William Kopinak

Bill Kopinak has retired on disability pension after more than 25 years of service at the Nickel Refinery in Port Colborne.

He was six years old when his

family moved to Port Colborne from Kenora, Saskatchewan, where he was born in 1918.

Leaving school, he worked at the Humberstone Shoe Co. for three years, farmed for about a year, and then worked at the Maple Leaf Mill for three years, prior to joining a construction crew at the Nickel Refinery. He became an Incolite on October 2, 1941, and had worked continuously in the anode department from May, 1948, to retirement.

Bill married Mildred Stoner in Port Colborne in 1941. Of their five children, Steven and Ronald are married and Gail, Beverly and Timothy are at home.

An ardent fisherman, Bill entered the hall of fame by catching the first rainbow trout in the Welland Canal.

A money-filled wallet was presented to Bill on behalf of his fellow employees by C. H. Ott, assistant to the manager, at a gathering in the anode department. He was thanked for his service and wished a long and happy retirement by Norman Hillier, anode department superintendent.



Judges of the exciting competition were Dr. J. B. Johnston and Dr. H. K. Standing of Thompson, and J. Jeffries of Winnipeg, field manager of the Mines Accident Prevention Association of Manitoba.

The members of the Sudbury and District Amateur Radio Club, SADRAC for short, hold their regular weekly meetings at the LeEllen Park Secondary School. Taking part in an animated discussion are some of Inco's "hams" who keep themselves ready for any emergency that might require their equipment and skill. From the left they are, geological department radio specialist Doug Stickle, Creighton timberman Vince Vienneau, Copper Cliff research department engineer Art Shaw, Copper Cliff instrument technician Richard Forget, Club president and CKSO TV man Norm Brown, Copper Refinery analyst Herb Cavers, Iron Ore Plant instrumentman Bert Morgan, Creighton slusherman Harley Urquhart, Copper Cliff mill maintenance electrician John MacKinnon, and Creighton maintenance electrician Les Brownlee.



A Highly Skilled Hobby

THEY'RE CALLED "HAMS" ... BUT DON'T YOU BELIEVE IT

The average person never hears them, they are rarely seen at work on their chosen hobby—they work in basements, late into the night—and they talk in a language that is strange to the ear. But there's one sure way of spotting them. Look for tall, weirdly shaped antennas festooning a roof, and you can be sure that in some quiet corner below there lurks a "ham".

The word is strictly slang. The "ham" is an amateur radio operator, a hobbyist at heart but potentially an extremely valuable asset to the community.

The Sudbury and District Amateur Radio Operators Club has a membership of some 35 of these devoted hobbyists, and over half of them are employees of Inco.

The club was formed in 1947, with the aim of pooling knowledge. Among the founder members were Pat Ogilvie, now assistant to the director of exploration in Toronto, and Copper Cliff staff members Leo Kilpinen, Geoff Hervey and Roy Bain.

As a form of armchair travel, the hobby rates second to none. At the flip of a switch and a turn of a dial, a "ham" can reach around the world and talk first-

hand to those far-away places. Many a friendship of long standing has been formed by a chance meeting over the ether.

One question that is often asked of Club members by young and old alike is, "I'd like to get hold of a transceiver and try my hand at being a 'ham'. What will it cost me?"

Standards Are High

Getting the set is the easy step. A war surplus instrument with a 50-watt output and a 500-mile range can be had for as little as \$100.00, but getting a license to operate it can be just a little more difficult.

All "hams" are licensed by the Department of Transport, and there are two grades of operators, A and B. To qualify for a B license, which allows the operator to transmit in Morse code only, an applicant is required to write an examination on electronics theory, radio operation procedures, and radio regulations, and must be able to send and receive Morse code at a speed of 10 words a minute. To obtain an A license, the "ham" must first operate on a B licence for one year, then write stiffer examination papers including one

on electronics theory at the level of a second year technological institute course. He must be able to handle his Morse at 15 words a minute.

All this indicates that when a "ham" qualifies for his licence he's a responsible person with a thorough knowledge and understanding of the rules and regulations that are designed to avoid abuse of the air waves.

Keeping Peace With Neighbors

As careful as they are, most "hams", at one time or another, are confronted by an irate neighbor who is only too prone to lay the blame for a flickering TV set on his hobby.

"There are so many sources that can produce interference," explained club member Richard Forget with a sad shake of his head. "Cracked power line insulators in damp weather, the innocent looking hand drill or electric shaver, automobiles without suppressors, and a whole host of things. We 'hams' are always ready to co-

operate when there's a problem, all it takes is a phone call!"

Also located in Richard Forget's basement, in addition to his transmitting equipment, is a teletype machine capable of transmitting the printed word via radio waves. The 25-strong Amateur Radio and Teletype Group in Eastern Canada are still strictly in the experimental stage with these machines. An obvious advantage of this piece of equipment is its ability to receive a message in the absence of its owner, and the fact that it can relay a message word for word by means of a punched tape.

Emergency Trials

A very important community service is supplied by the local club. It is ready to step into the breach in times of emergency, and provide radio communication if the regular services are interrupted. An annual field day competition is held to check their preparedness for this responsibility.

Organized by The American
(Continued on Page 13)



The heavy and complicated looking load under the dashboard of Frank Horsfall's car is a mobile transmitter capable of sending a 75 watt signal from 500 to 1,000 miles depending on atmospheric conditions. An invaluable piece of equipment in times of an emergency, or when normal power supplies are not available, the outfit can be quickly located at a trouble spot to relay information to the "ham" radio network.



Seated at the microphone in his basement radio room, Richard Forget plays host for session of searching the air waves, with Copper Cliff assistant purchasing agent Roy Bain, Garson maintenance electrician Frank Horsfall, and Geoff Hervey, a Copper Cliff chief accountant. Richard's transmitter, station VE3DUW, has been growing since he went on the air for the first time nine years ago. With a power of 1,000 watts, he can literally "reach around the world". Valued at close to \$15,000, most of the outfit he built himself for an outlay of about \$4,000.



Receiving his pre-show boutonniere from secretary Mrs. Stella Vagnini is the club's dedicated president, Jim Metcalfe, with exhibition committee chairman Art Closs and committee member Mrs. Pat Hansen standing by.



Demure in their dainty costumes, the nine "shepherdesses" from the intermediate girls group 4 are seen ready to glide off to the plaintive strains of "The Lonely Goatherd". They are Melanie Tincombe, Marilyn Dampier, Marguerite Wiggenhoff, Enid Hervy, Paula Letizi, July Tincombe, Cindy Canapini, Debbie Osika, and Kathy Kent.



One of the "Darlings" in the intermediate girls group 2, young Roseanne Burton lifts a happy face while her mother, Mrs. Irene Burton, applies those last-minute touch-ups with the powder brush before heading for the bright lights.

YOUNG SKATERS IN COLORFUL SHOW AT COPPER CLIFF

It was a rich kaleidoscope of color when some 160 agile and often quite unpredictable members of the Copper Cliff Skating Club took to the ice to show off their skills to a packed audience at Stanley Stadium.

The occasion was the club's annual figure skating exhibition. With Norm Carscadden as emcee, the afternoon event moved along at a brisk pace as the performers, ranging from wobbly three-year-olds to polished and poised teenagers, skated through their routines.

"It's not our intention to present a spectacular skating carnival," club president Jim Metcalfe explained to the spectators. "We hope that what is shown here today will give some idea of what has been accomplished by the various groups in the club during the past year."



These two young ladies, Debbie Vagnini and Merry Carscadden, together with gold medalist Susan Carscadden, formed a trio that gave a sparkling performance of grace on skates to the jaunty music of "Frenchman in St. Louis."

In their gay and colorful costumes, faces lit with pride, the youngsters brought a breath of spring to all those present, and they and the Club committee are to be congratulated for providing a thoroughly enjoyable program.

Martin Kovacs

Martin Kovacs, who has retired on service pension, was 25 years old when he landed in Quebec City in 1928. He immediately took a train to Edmonton, Alberta, settling in the small farming community of Lake Eliza. The farming knowledge he gained on his father's land in Taut, Bihar, Hungary, was being put to good use.

He moved back and forth between Ontario and the West three times in the next 10 years alternating between industrial jobs and farming. During his third sojourn

in the West he did missionary work in the Hungarian colony at Kipling, Saskatchewan.

Dallas, Texas, was Martin's destination in 1945. After a short stay there with his sister, he came



Mr. and Mrs. Kovacs

north to Akron, Ohio, before returning to Toronto again. His next move was to the tobacco country around Simcoe and Delhi, before going to the John Deere Welland works in 1947. In 1947 he started with Inco in the electrolytic department of the Port Colborne refinery, where he remained until his retirement, his last job being boxman.

Martin married Barbara Haulough, on October 29th, 1950. They have no children. Religious translations from English into Hungarian will now occupy much of Martin's time, a task he has been devoted to for the past several years. A few short trips are planned, but Martin stated he intends to stay pretty close to home, having already seen as much of the countryside as he wished during his earlier travels.

B. I. Lindenau, superintendent of the electrolytic department, thanked Martin for his 21 years of dependable service to the Company.

A purse of money was presented to him by Charles Ott, assistant to the manager, on behalf of his fellow workers, with wishes for a long and happy retirement.



This quintet was elected from the various groups to make presentations to the hard-working class instructors. Billy Hansen represented the intermediate boys, who were "Soldiers", Allen Miller the junior boys as "Spacemen", Susan Pulka the junior girls group 1 as "Raindrops", Tina Rondina the junior girls group 2 as "Poppins", and Melanie Vagnini the junior girls in group 4 as "Puppets".

There's Joy in Levack at Mine's Great Safety Performance



They're not resting on their laurels at Levack mine. They were the first Inco mine or plant to reach the magic mark of 1,000,000 man-hours without a lost-time accident in Canada's Centennial year, and they've done it again by coming up with the first 1,000,000 in 1968.

After they passed the million mark on March 6 they raised their sights, lined up on the previous Levack mine record of 1,271,528, and on March 25 went over the top. "We're on our way now," said mine superintendent Dave Lennie with his characteristic enthusiasm. "We're shooting for 2,000,000 hours in June, and then we're going after the big one, the underground mine world record of 3,047,774 set by Frodo Stobie."

Seen here making the adding machine smoke are safety supervisor Glenn Strutt and Dave Lennie, while a representative group of mine underground and surface personnel send up a hearty cheer.

The three in the back row are surface salvageman Wilfred Brosseau, stope leader Mark Albert, and drift driller Gerry Scott. In the other row are electricians John Mihajic and Bert Benoit, pillar leader Andrew Pilon, machinist Danny Brunne, pillar leaders Paul Besner and Wendell Luttrell, mine superintendent Dave Lennie, area foreman Bob Zola, underground superintendent Bob Ludgate, drift driller Eddy Michlowski, carpenter Oliver Rossi, and plaster Cece Shailer.

A big factor in Levack's safety suc-

cess is the surface yard crew of 55 men under Orm Purvis, who haven't had a lost-time accident since June 7, 1959, well over one million hours.

Creighton No. 9 One Mile Down

(FRONT COVER)

A historic moment in the progress of a great mining project is recorded in our cover picture, showing the new Creighton No. 9 shaft having passed the one mile mark on its way down to its final depth of 7,150 feet.

When completed it will be the deepest single shaft in the Western Hemisphere, but even at one mile it is believed to have already at-

tained that distinction, no information to the contrary being immediately available.

The deepest point in Inco mining at present is 6600 level at Creighton, but to reach it one must travel through three separate shafts, No. 5, 6, and 8, all a considerable distance apart. In comparison, the 21-foot circular opening one mile straight down into the earth is a unique accomplishment.

The contract for sinking Creighton No. 9 is a joint venture by Shaft Sinkers Canada Ltd., and J. S. Redpath Ltd.

To observe the momentous occasion of passing the mile mark, which was reached on the morning of March 13, Inco officials joined the contractors' crew on shift at the time in a group photograph.

In the front row are resident project manager Bob Dengler, Lorenzo Gauthier, Jacques Duclos, Creighton mine superintendent Earl Mumford, Inco project engineer Nick Treflak, Inco manager of mines Gar Green, shaft captain Lucien Jolicoeur, foreman Dan Hinch; in the back row, Bill Lysohirko, Gene Bolly, Roland Turgeon, Roger Delarossbill, Frank Morrison, Jacques Dube, and project engineer Don Moore.

They are standing in the travelway of the skip chair station below the 5200 level loading pocket. In the foreground, still in place following the last 30-foot pour, are the steel concreting forms. The working stage from which the shaft-sinking operations are conducted has been raised out of view for the picture-taking.

Page Numbers Wrong

The attention of our readers is drawn to an error in the numbering of the last 8 pages of this issue of the Triangle. These pages should be numbered from 9 to 16 instead of 13 to 20. We regret any confusion this may cause.

And Everybody's in a Hat-Waving Mood at Coniston Too



With their hopes as high as their hats, this group at the Coniston smelter are jubilant at reaching 1,000,000 man hours without a lost-time injury, and are well on their way to breaking the plant record of 1,862,152 hours which has stood since 1953. In the picture are most of general foreman Einer Strom's shift, joined by some of the shops and transportation department personnel. "This achievement is indeed a glowing testimony to the fine safety effort and co-operation of all who work at our Coniston plant," said J. G. Rickaby,

assistant to the superintendent of safety, when he made the announcement. "It is the second such achievement in the space of two years at Coniston, and is the more remarkable in that a period of approximately eight months without a lost-time injury is necessary at this plant to reach the million-hour mark. "We extend our congratulations to all involved and wish them continued success." An award commemorating their achievement will be presented to all Coniston personnel.

Copper Hoppers Held Valentine Festival



It was the Copper Hoppers Square Dancing Club's first annual Valentine Festival that drew close to 80 couples to the Sudbury Inco Club in Sudbury to enjoy an evening of whirling and do-si-do-ing to such rollicking foot-stomping numbers as "Big Sombrero" and "Ride, Ride, Ride". The round-up drew square dancing fans from far and wide, with the Trent Valley Twirlers coming from Trenton, the "Y" Twirlers from the Soo, a group from the Canadian Armed Forces colony at North Bay, and a delegation from Espanola. Another group started from the Michigan Soo, but ran into bad weather and had to turn back.

The Copper Hoppers were formed late last year when several of the smaller local groups joined forces. Club membership currently stands at over 30 couples, who enjoy a swinging time every Thursday evening at the Inco Club.

The six top-notch callers who did their stuff at the mike were Don Lawrence, Bert Falco, Cliff Willichuck, Mark Tugby of the Copper Cliff transportation department, and Lloyd and Ruby Bellamy who cued for the round dancing.

For the lesser experienced dancers, a "tenderfoot" group was catered to in a lounge just off the main floor where they could swing and sway through instructional dances.

The Copper Hoppers are already setting the wheels in motion for an international jamboree to wind up the season some time in May. "As they say in the fight game," urged Copper Cliff engineering assistant Geoff Griffiths, "come on out swinging!"

"They say paper can be used to keep a person warm,"
"You're telling me. I've got a mortgage that has kept me sweating for 20 years."

A black and white picture doesn't do justice to this colorful quartet. Forming the arch are Copper Cliff first aid man Lionel Rochon and his wife Marion, and ducking under are Joyce Tugby, wife of Copper Cliff loco engineer Mark Tugby, and Copper Refinery electrician Fern Aubin.



Responsible for the slick job of organization that made the Valentine Festival such a rousing success were the four enthusiastic club executives. Seen here checking some of the last-minute details are Audrey Brown, Nora Griffiths, club president Bert Brown, and secretary-treasurer Geoff Griffiths.

Cars and Canadiens Tommy O'Connor's Pets

A man for whom the internal combustion engine holds no secrets, Tommy O'Connor, the well-known and popular foreman of the Copper Cliff smelter garage since 1945, has retired on service pension after 26 years with the Company.

Born on Fir Lane in Sudbury in 1903, Tommy's lifelong association with automobile engines started in 1920 when he dropped the reins of a two-horse grocery de-



Mr. and Mrs. O'Connor

livery rig and picked up mechanic's tools to start an apprenticeship at a local garage. He had risen to assistant service foreman when he left for Inco and the Frood open pit in 1942 to work for Campbell Girdwood.

Three years of maintenance on the giant pit diesels was followed by Tommy's move to the Copper Cliff garage. "Things have changed a bit since those days," he recalled. "We had five trucks to service then. Now the total is something like 30 trucks, the seven Company jitneys, and the yard vehicles. We moved to the new garage in 1956, which helped matters quite a lot."

Justly proud of the garage safety record, Tommy noted that there was never a lost-time accident during his time there.

A keen hockey player in the days of his youth, Tommy can recall some of the good old days when the Palace Rink in Sudbury was the scene of many a hectic double header. In fact he was so engrossed with sporting activities that thoughts of marriage didn't enter his head until, at a ripe age of 42, he exchanged vows with Sudbury girl Margaret Grant.

Tommy's love of hockey has occasionally led him into some misguided wagers on his idols, the Montreal Canadiens, and many will recall the sight of the game little fellow laboriously rolling a steel barrel the length of Shops Street after a game loss. "It was all in good fun," he said with a grin, "and I'm going to miss the banter with the lads."

He won't miss the games though. Both he and Mrs. O'Connor enjoyed a recent visit to Montreal which included an evening at the Forum to watch and cheer for his heroes, and he's a regular TV watcher.

FIRST THINGS FIRST

A Scot whose child had swallowed a sixpence rang up the doctor.

"How old is it?" asked the doctor.

"It's a bright new one, dated 1966," replied the anxious father.

Nickel silver, an alloy of nickel, copper and zinc, which for decades has been used primarily as a base for silver-plated tableware, is now used extensively in contacts and connectors for modern electronic equipment.

Levack Ice Concert Crowd-Pleaser



A big and appreciative audience packed the galleries to give round after round of applause to Levack Figure Skating Club for its colorful annual production, A Pop Concert on Ice. The attractive costuming of the group numbers and the fine skating of the featured performers rounded out a very entertaining and well-organized production. One of the most imaginative presentations was the Teddy Bear Picnic, in which the Weygang family — Mamma Bear Pam, Poppa Bear Peter, and their three little bears, Mandy, Julian, and Anita, were assisted by Rose Beres as a tree and soloist Kathy Maryshock as Goldilocks.

Art Legault Well Knew "That Sinking Feeling"

If anybody should know "that sinking feeling", it's surely Murray mine service pensioner Art Legault.

As a hoist man he sank shafts for a great part of the 40 years he was employed at Inco.

Art first saw the light of day on a farm near Garson in 1903, and just 13 years later was putting in a full day's work at the mine



Mr. and Mrs. Legault

as a rock picker. "I made \$255 a day," he recalled, "but my personal income depended on luck. I'd take my pay envelope home and somehow my dad would wind up with the paper money while I got the silver."

He started working in his father's general store in Garson in 1917, moved on to the Espanola sawmill in 1919, and in the years that followed shuttled between Garson, Murray and Levack mines and the Coniston smelter.

His service with the Company started in 1927 at Levack where he spent three years tramping hand cars until he made a move to Frood as a hoistman during the sinking of No. 5 shaft. Sinking at Creighton No. 5 shaft followed in 1935, Levack No. 2 shaft in 1938, Garson No. 2 shaft in 1939, and Murray No. 2 shaft in 1941. He

remained as production hoistman at Murray, was at the controls when the shaft was deepened in 1948, and remained there until retirement.

His bride of 1928 was Eva Gervail of Chelmsford, who has presented him with a family of seven, Rita (Mrs. George Zudel) and Daniel live in Port Colborne, Norman in North Bay, Donald in Toronto, and Clement in Sudbury. Laurent attends Cambrian College, and Claire, 17, Sudbury High School. There are 18 grandchildren.

More than 130 friends from the mine attended a stag party at the Caruso Club to mark Art's retirement, and during the affair he was presented with a cigarette lighter and a well-filled purse.

Free of the cares of the work-a-day world, Art plans to sit back and take life as it comes, and get his exercise wetting a line in some of the secret fishing holes "where the big ones hide."

They're "Hams"

(Continued from Page 1)

Radio Relay League, the field day is conducted during a period of 24 hours, under simulated emergency conditions that have eliminated standard electrical power supply.

Usually held on a weekend in July, these trials take place in a remote area of the district, where mobile transmitters, powered either by automobile or by portable gasoline generators, are set up and the Club attempts to make contact with as many other "hams" as they can raise on the North American continent. The startling efficiency of the local equipment is demonstrated by the fact that, during past trials, signals have been exchanged with both the

The skating club's president, Rose Jalsich, and its professional instructor, Leo-Lynne Purvis, are shown here with three of the young performers, Lynne Malleau, Kim Jalsich, and Brian Smith.



One of the delightful group numbers at Levack's Pop Concert on Ice was the parade of the Kewpie Dolls, some of whom are shown above: back row, Karen Gorham, Laurie Wisniewski, Dale Albert, Laurie Malleau, Kathy Johnston, Jeannie Fortin, Karen Wisniewski, Debbie Beres; front row, Laurie Miron, Susan Fortin, Sandra Beres, Karen Niemala, Karen Roberts, Kathy Pettit, Rosanne Gallipeau.



Another group that drew enthusiastic applause were the Candy Canes, among them Joan Andrews, Marjorie Vandenbroek, Carol Ann Hatfield, Daena Watier, Debbie Goodyear, Laurie Germain, Laurie Aelick, Linda Jalsich, Katherine Connors, Noreen Smith.

East and West coasts, with Timmins in the North, and Florida and California in the South.

Radio logs are forwarded to the league and judging is based on a formula which takes into account the distance over which the contacts were made and the power required to do so.

Relay Urgent Messages

As a further contribution to public service, the local boys have formed the Laurentian Network, which provides a free emergency communications system with "hams" in other parts of the continent. The system, which is as close as the nearest phone, handles the relay of urgent messages, and

can even provide a phone-to-phone contact via radio. On a rota schedule, local operators are available from early evening, seven days a week, and are prepared to transmit until demands cease.

Anyone who owns a short wave receiver can listen in on the "hams", who broadcast between 10 and 75 meters (30 to 3.5 megacycles) on the dial. Every licensed operator has his own call signal which locates his point of transmission. For anyone interested in locating a signal source, call sign VI originates in Newfoundland, V2 in Quebec, VE3 in Ontario, VE4 in Manitoba, VE5 in the mid-west and VE6 in British Columbia.

Concentrators Conquer in Shift Loop



Concentrators took two straight games in the best-of-three finals against the Nickel Reverbs to win the Copper Cliff shift league championship at Stanley Stadium.

A real going concern, the league doubled its membership over last year, iced eight teams with a total of 129 ardent hockey artists. The three steady-days teams were Concentrators, Electrical and Warehouse, and in the shift group were Nickel Reverbs, IORP Roosters, No. 1 Nickel Converters, No. 2 Nickel Converters, and Copper Converters, who were last year's champs. The two other

semi-finalists were Electrical and IORP Roosters.

Picture shows a scramble at the Concentrator goal that ended with a score for the Reverbs. From the left the players are George Lische, Tug Parri, goalie Ray Frattini, Don Lavoie, Maria Copadagli, Norm Duhamel and Ray Campbell. In one of the two-game total goals semifinals, Reverbs and IORP Roosters had a mighty struggle, tying first at 5-5 and then going into overtime to break a 7-7 deadlock in the second game, which Reverbs won 10-7.



These are the victorious Concentrators: back row, assistant manager Jack O'Hara, timekeeper Al Sakaloski, Evan Russell, Norm Duhamel, Rally "The Rock" Larouche, Tug Parri, Doug Chaisson, goalie Ray Frattini, and "Turk" Turkington; front row, stick boy Marc Hamilton, Jack Dore,

Ray Campbell, George "The Jet" Lische, captain Frank O'Grady, Ray Furlain, Johnny Hamilton, Mike Orsag and water boy Harold Turkington. Missing from the picture are manager Dan DeKuyper and players Leo Duhaime, George Strang, Bob Blais.



Here are the Reverbs, who have battled into second place in the league for the last two years, and gave the Concentrators a fierce battle for the title: back row, Dale Roberts, Dave Kownich, Mike Gagnon, coach Frank Morrow, Maria Copadagli, Don Lavoie. Front row, Ray Gouin, Jean-Paul Gervais, Eugene Kitty, captain Albert Daniels, Lou Marois, Eddie "Dad" Lacoste. Team members not shown are John Stacknik, Mike Bratina, Tony DeCota, Dick Smith, Garry Hannoh, Gerry McIntaggart.

Proudly accepting the new Parklane Hotel trophy from go-getter league convener Jerry Renaud is Concentrators' captain Frank O'Grady, while assistant coach Jack O'Hara gives vigorous voice in approval. Nickel Reverb hat-shot Jean-Paul Gervais showed dazzling form throughout the season, was top scorer with 42 goals, and has been voted the most valuable player in the league.



Stan Piaskoski

It was in Poland, in 1928, that Stan Piaskoski received an invitation to join his sister in Canada at Worthington. He accepted the offer, left his home town of Chlopowa behind him, and has now retired from Levack mine on disability pension after nearly 31 years with Inco.

There was no work at the Mond's Worthington mine for the 19-year-old immigrant, so he turned his hand to construction at Frood mine. He joined Inco one year later at Creighton, but after 18 months found himself walking the streets with the many others who were idled by the depression. "The way I see it now, I was on a five-year fishing jaunt," observed Stan.

Times improved, and in 1935 he returned to Creighton. A transfer to Frood followed, and he worked underground there until 1949 when he came to surface to work with the mechanical department. His final move to Levack came in 1950, and he was working there as a rigger at the time of his retirement.

His marriage to Doris Bennett took place in 1938. Their family of two are Elizabeth, the wife of Levack mill sand loader Leo Carriere, and Gerald who lives in Toronto. Three grandchildren complete the family.

Making the most of his new-found leisure, Stan admits that once in a while he enjoys the luxury of sleeping until noon, but hunting and fishing are his main activities now.

Mike Sninsky

Since he retired from the Copper Refinery on service pension, Mike Sninsky has done something he's wanted to do for a long time — lose weight, and he's lost 28 pounds of it. "It's easy," said Mike, who really surprised himself by his demonstration of will power. "One meal a day, that's the answer — and no cheating."

Mike, who has worked for the Company at the Copper Refinery for 32 years, was born in the

village of Sejkov, Czechoslovakia, in 1903, and came to Canada in 1927.

He moved around a lot in those days, and made enough to afford two trips back to the old country, in 1929 and for a year in 1932, during which he built a house in Sejkov for his bride of 1924, Mary Kubak, who was reluctant to leave the land of her birth.

On his return to Canada he found work at Creighton, and in 1935 moved to the refinery, where he was an inspector at the time of his retirement.

To his great delight, Mike recently learned that he had become a great-grandfather. Daughter Mary (Mrs. John Clevak) lives in Czechoslovakia with his four grandchildren.

Spring of 1969 is the target date for a visit to his home town. "I'll be over there to see the Olympic hockey in Prague," said he. "Meanwhile I'll continue with the battle of the bulge."

Best Prof Curlers



A Lively High School rink won the A. G. Orr Memorial Trophy for the Northern Ontario men teachers' curling championship in a 64-team bonspiel at Copper Cliff. Entries came from all over the province, including football great Russ Jackson of Ottawa. Above are the champs: standing, skip Lou Kehoe, vice Charlie Tuttle; front, Lea Trusz, Dan Duggan.

Eino Hyttiainen

A large gathering of Eino Hyttiainen's friends was on deck to witness the end of the old timer's last shift after 32 years with the Company at Creighton mine, to wish him all the best during his retirement, and to present him with a purse.

"You can let the boys know," he told the Triangle, "that I'm going to put their gift to good use and



Mr. and Mrs. Hyttiainen

buy a new boat." The new boat will go well with the new home that Eino built five years ago on Lake Penage in preparation for retirement.

Born in Finland in 1903, Eino packed his carpenter's tools and headed for Canada in 1929, coming to friends in Copper Cliff.

He worked on roof construction at the Copper Refinery roof, and when the job was completed, moved to Whitefish and became a jobbing carpenter.

He joined Inco at Creighton mine no. 3 shaft in 1935, and for the last 20 years has been a construction leader. In 1926 he was married to Tyyni Hanula, who died the following year. His daughter Eli (Mrs. Paavo Varila) lives in Finland.

Eino was married again in 1943 to Mrs. Laura Rivet of Sturgeon Falls. Her daughter Betty is the wife of Creighton mine garage mechanic Dorian Guse, and her son Gilles lives in Framingham, Massachusetts. A total of 10 grandchildren complete the family.

"Mickey" Lynden Noted For Community Service

Cameron "Mickey" Lynden has retired on a disability pension with the splendid total of 42 years of service at the Nickel Refinery in Port Colborne, practically all of it in the mechanical department.

Born in Port Colborne in 1907, Cameron attended Niagara Falls Technical School for a year, commuting daily. The 45-mile round



Mr. and Mrs. Lynden

trip by trolley cost 20 cents in those days. He started to work at the refinery in No. 1 building on July 27, 1925. A month later, he transferred to the power house where he remained until 1933. He next went to the cooper shop where he became head cooperman and when this operation was discontinued in 1952 he moved to the carpenter shop. He was in charge

Secondary Drill Rigs Used Both Underground and at Open Pit



In both underground and open pit operations the new secondary drill rig is proving the wisdom of its selection as part of the sweeping modernization of Inco's mining equipment. It was designed to Inco's specifications by J.M.G. Manufacturing. Safety was a primary consideration in the choice of this machine, which is

of boxmaking from 1935 until retirement.

In 1930 he married Thelma Mayhew, who died in 1966. He married Lucille Reeb in July, 1967.

A large portion of Cameron's life has been devoted to the service of others. He has been a member of the St. John Ambulance Brigade for 34 years and has been its divisional superintendent. He was proclaimed a Serving Brother of the Order of St. John in 1960 and received a medal from the late Governor-General Vanier. He is also a first aid instructor. He is secretary of his church Sunday school, taking over that position in 1941 from his father, who had been secretary from the year 1900. He is also the permanent secretary of the Lakeside Yacht Club and served as commodore for two years in the 40's.

Cameron also enjoys woodworking and attending to his flower beds. His house trailer has been regularly put through its paces each summer, and an anticipated trip to Mexico next winter will put it on year-round duty.

Mechanical Superintendent Chris MacPhail thanked Cameron for his long and conscientious service to the Company, noting that he had not had a compensable lost time accident during his entire 42 years of service. He received a purse of money from his fellow employees and wishes for good health and a long and happy retirement.

Anton Miszczak

It doesn't take much imagination to understand why his friends at Creighton mine refer good naturedly to Anton Miszczak as "Jeep". "I'm five feet six in my stocking feet," said the jovial pensioner with a rumbling chuckle, "and I tip the scales at 225 pounds."

"Jeep" has retired at 65 after 32 years with Inco.

A farm near the small village of Budziska, Poland, was his birthplace, and he sailed for Canada in

operated 20 feet back from the box-hole brow in drawpoint loading, and can also be run by remote control where necessary.

Used to drill large chunks for blasting preparatory to loading, in either drawpoint caving or blasthole mining, the diesel tractor with its hydraulically-operated boom and air drill is readily

located in position. Hoses on reels at the rear of the machine are attached to a compressed air and water header.

A secondary drill rig will work along with each Scooptram in drawpoint loading areas at Inco mines. The one shown above is in action at Murray, operated by Lyle Young.



In open pit mining, where mobility is specially important, the tractor-mounted drill has completely changed the secondary blasting procedure. Big chunks nosed aside by the electric shovels are no longer conditioned for loading by sandblasting, in which the blasting agent is laid directly on top

of the chunk, with a resultant sharp concussion.

Secondary drill rigs used in the open pit carry their own compressors. The rig shown above in the new section of Clarabelle Open Pit is manned by Paul Amyet.

1930. "I came over in March," he recalled, "spent a few days in England admiring the daffodils, and



Mr. and Mrs. Miszczak

then got the shock of my life when I ran into five feet of snow at St. John, New Brunswick."

He quickly got used to the climate, and was soon putting his broad shoulders to work swinging an axe as a lumberjack near Kapuskasing.

"Jeep" joined the Company to work underground at Frood in 1935, and moved to Creighton in 1938. He worked there as timberman and slope boss, and spent his last four years as powderman on the 2800 level.

Katarzyna Bak became his bride in 1923. After a separation of 19 years she joined him in Canada in 1949. Their family of three are Henry, a driller at Creighton, Helen, who lives at home, and John, who lives in Poland.

Two parties were held to mark "Jeep's" retirement, one by some 100 of his friends at the mine, and another at the Polish Hall in Sudbury where nearly 400 filled every inch of the place to wish him well. He was presented with a purse of money at each party.

He and his wife are planning a trip back to Poland in 1970.



"Doodle" MacDonald Honored at Creighton

Mention the name of Norman MacDonald to anyone at Creighton mine and you'd probably get a blank look. But ask about "Doodle" MacDonald and everybody knows whom you mean.

At his recent retirement, "Doodle" held second place in seniority standing at the mine with a whopping Inco service record of 45 years and nine months.

Born in the settlement at Gertrude mine in 1903 and brought up in Creighton, young Norman got his nickname from his chums at the age of 10, "and I've been stuck with it ever since."

He started to work at Creighton as a top loader in 1922, moved to the electrical department under Alec McIntyre in 1923, and in 1926 took over the job of switchboard operator which he was to hold until his retirement on service pension. He has been a maintenance mechanic first class since 1943. "I've been on shift work for 42 years," said the old-timer. "I guess it must have agreed with



Mrs. MacDonald

me, I'm in pretty good shape."

An active ball player in his younger days, "Doodle" started as the Creighton team mascot and developed into a top-notch pitcher. "I learned a lot from Bert Flynn," he said. "To my way of thinking he was one of the best ball players in the country."

"Doodle's" partner through the years was Marie Cox, whom he married in 1930. Their grown-up family includes Donald (Mrs. Johnny Mousseau) of Sudbury, Norma (Mrs. Joe Butkevich) of North Bay, and John, who works as a timberman at Creighton. Eight grandchildren round out the family.

Apart from golfing at Espanola and the occasional bowling game, "Doodle" plans a quiet retirement. "I'm just going to relax and enjoy spending money," he said with a wide grin. "I know that sounds odd coming from a good son of Scotland, but I also know that you can't take it with you."

Close to 100 of his friends at the mine held a stag party for "Doodle" MacDonald and presented him with a watch and a desk lamp, along with their best wishes. Here he is (left) with zone planner Joe Serpell, general foreman Charlie Quinn, and maintenance superintendent Bert McAllister.

Alvin Teal

A cottage at Griffith, not far from Pembroke, is where Alvin Teal and his wife will stay from April to November, now that he has retired from International Nickel at Port



Mr. and Mrs. Teal

Colborne. He claims the fishing and hunting in that area are unsurpassed.

Born on the Teal farm in Bertie Township in 1902, he worked as a mason in Ridgeway for 10 years. He joined Inco in 1941, and has worked as either a chlorination-man or cementationman since 1950.

Alvin married Audrey Lee of Windmill Point in February, 1930. They have a family of four: Donald and Betty (Mrs. Jack Quinn), living in Ridgeway; Shirley (Mrs. Charles Sider) and Gerald, living in Fort Erie. Six granddaughters and three grandsons complete the family.

At a gathering in the electrolytic department, Alvin was presented with a purse of money on behalf of his fellow employees. W. V. Barker, assistant manager expressed the Company's appreciation to Alvin for his long service, wishing him and Mrs. Teal a long and happy retirement.

Toivi Koski

Toivi Koski's friends at the Copper Cliff mill will be happy to know that he's making excellent headway following the stroke that sidelined him after nearly 33 years with Inco. "Tell them I'm out of my wheelchair, and I'm practically ready to throw away my walking canes," said the determined pensioner, who looks the picture of health sporting the deep tan that he acquired during a sun-soaked month on the sands at Palm Beach, Florida.

Born and brought up in Copper Cliff, Toivi started to work at the



Mr. and Mrs. Koski

dairy there at age 16 in 1931. He joined Inco at the Copper Cliff smelter in 1934, worked at the clay bins for three years, and then moved to the mill as a dewatering operator, the job he held until retirement.

Toivi and his wife, Violet Kivi when they were wed in 1940, live in a neat home with a large lot near Sudbury's Trout Lake. "He's already eyeing the garden," said Mrs. Koski, "and talking about dancing and bowling — there's just no holding him down."

\$150 Million Issue of Debentures by Inco

Henry S. Wingate, chairman and chief officer, announced on March 8 that The International Nickel Company of Canada, Limited had filed a registration statement with the Securities and Exchange Commission covering \$150,000,000 of debentures due 1993. The debentures will be non-refundable for 10 years and will have a sinking fund beginning in 1979 calculated to retire 76 per cent of the issue prior to maturity.

The debentures were to be offered by the underwriters for delivery on April 9, and in addition will be offered through the underwriters to certain institutions for delivery on July 23 and October 22, pursuant to delayed delivery contracts with the Company.

International Nickel will use the proceeds from the sale of the debentures for its capital expenditure program in Canada and the United States.

The Company does not presently have any debt outstanding.

Iron Ore Plant manager E. G. Stoneman presented a wallet to Gordon Calford and warmly congratulated him on his retirement after long and valuable service to the Company.



Gordon Calford

During his 29 years with Inco, Iron Ore Plant accountant Gordon Calford made few mistakes, but one he frankly admits was a big one. "I worked shift work for 26 years, and then switched to steady days three years ago. From then on I never seemed to have any spare time at all. It was the worst thing I ever did."



Mrs. Calford

Well, now that he has retired, he'll be able to catch up on his leisure.

Born in Calabogie, in the Ottawa Valley, in 1903, Gordon had lived in Sturgeon Falls, Monctonville, and Markstay before his family finally

settled in Sudbury when he was 11. He joined the CPR in 1920, and was a night baggage master when he left nine years later to sell insurance.

He joined Inco to work for Bill Armstrong in the Copper Cliff sample house in 1936, but quit two years later to run a Sudbury service station. He returned to the Company in 1939, and during the following years worked as time keeper, labor boss, and clerk with the reverb department at Copper Cliff. It was in 1963 that he transferred to the Iron Ore Plant as an accountant on steady days.

Sudbury girl Mae Bell became Gordon's bride in 1923, and has presented him with a family of five; Gordon Jr., who had 21 years of Inco service, died in 1964; June (Mrs. Erv Morrison) lives in Windsor, Shirley (Mrs. Koski) in

Nanaimo, B.C., and Carol is the wife of Stobie shift boss Peter Pidkany. Sandra is a key punch operator with the data processing department at Copper Cliff, and is married to Copper Cliff geological department draftsman David Walsh. The third generation of the family stands at 14 grandchildren, and one great-grandchild is already on the scene.

A comfortable house on three acres bordering McCharles Lake, some 15 miles west of Sudbury has been home to Gordon and his family since 1958.

An ardent antique collector for many years, Gordon plans to spend his leisure time cataloguing, re-finishing and enlarging his collection, listening to good music, fly fishing, entertaining his grandchildren, and pursuing a lifetime hobby of photography.



President John Koski was peppered by visiting Grade XII students with barrages of questions about the courses offered at Cambrian College, during the recent Open Night. On the left he's seen chatting with Elwood Jones and Bob Fortin of LaSalle Secondary School, Joe Boyle of St. Charles, Paul Morse and Dennis



Shannon of La-Elle, and Dennis Hywarren of LaSalle. On the right, enquiring about librarian and social welfare courses, are Pat Bagshaw of Sheridan Tech, and Dolores Forget, Joanne Wulff, Margaret Rankin and Kathy Moroney, of Marymount College.



Mining technician student Paul Beau-lieu operates a mucking machine.

Cambrian Takes Care of Serious Education Gap

The education vacuum between the high school and university levels is being effectively filled by institutions like Cambrian College of Applied Arts and Technology.

Completing its maiden year of operation, Cambrian's Sudbury campus has opened a brand new educational vista for hundreds of Grade 12 graduates who do not plan to attend university.

Chiefly oriented to business and industry, with strong emphasis on practical know-how, Cambrian at present offers two- and three-year diploma courses in chemical, civil, electronic, geological, metallurgical and mining technology, along with a two-year course in mechanical drafting.

The general business course has options in accounting, marketing, electronic data processing, and municipal administration, the latter including assessment.

Also available are courses for library technicians, welfare agency work, and audio-visual technicians who specialize in preparing slides, films, tapes, closed-circuit television, and other audio-visual teaching methods.

One of some 20 such colleges of applied arts and technology that so far have sprung up in Ontario, Cambrian has campuses at Sault Ste. Marie and North Bay as well as Sudbury, all under the direction of president John Koski.

Property has been acquired north of LaSalle Boulevard for a projected new \$12,000,000 Sudbury campus, of which the first \$4,000,000 stage is planned for completion in 1972. In the meantime the Sudbury campus will continue to use the former Sacred Heart College property.

Principal Named

Recently appointed principal of the Sudbury campus is Dr. Robert A. Cameron, a science and engineering graduate of Dalhousie University who received his doctorate in geology from McGill. Since 1962 he has been on the staff of Nova Scotia Technical College, Halifax, teaching courses

(Continued on Page 20)



As part of their electronic technician course, Mike St. Amand (at the camera) and Reg Tremblay (recorder) produce video tapes of school activities such as the mining demonstration below.



Under the watchful eye of their instructor, Joseph Bardswich, P.Eng., three mining technician students, Pete Morrison, Bob Sipprell, and Will Grant carried out a drilling, loading, and blasting operation on a rocky outcrop behind the college.

Electronic technology student Norm Lapierre assays radioactivity of mineral specimen.

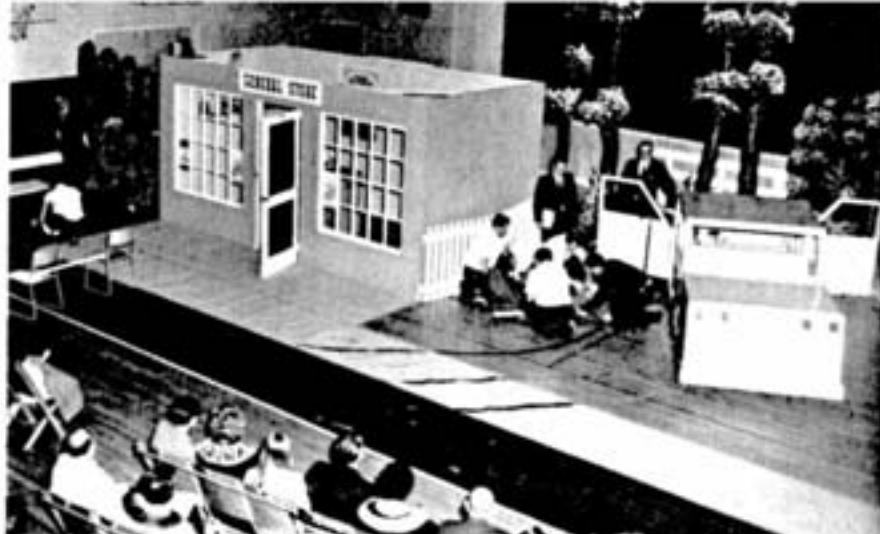


Mechanical drafting student Jim Smith works on cross-section drawing of diesel unit.



Equipped with the most modern adjustable drafting tables, students working toward their mechanical drafting technician diplomas carry out their assignments in an industrial engineering environment.

The well-staged problem in the final first aid contest at Port Colborne involved a car accident in front of a general store, with two men injured. One of the three competing teams is shown capably rendering first aid under the watchful eyes of the judges.



Port Colborne Teams Show Class In Close Match For First Aid Trophy

In an exceptionally keen competition at the Port Colborne nickel refinery, the Carpenters, coached by assistant mechanical superintendent Ross Butler and captained by Gino Foresti, won the plant first aid championship.

Other members of the victorious Carpenters squad were Bob Lambert, Walter Goulding, Bob Climenhage and John Koval.

They were presented with the H. W. Walter Memorial Trophy by assistant manager James H. Walter. Each man received an individual prize.

It was a tight three-team tussle between Carpenters, ENR Base-

ment, and Shearing and Shipping, every man right on his toes after long hours of training and careful study of the St. John Ambulance manual. Quite a head of suspense had been built up when the contest came to the decision of the judges.

Two veteran first aid experts from the safety department at Copper Cliff, Tom Crowther and Joffre Perras, judged the event. Nickel refinery safety supervisor Charlie Burke was timekeeper.

The judges were unanimous in praise of the Port Colborne show. "It was an excellent competition," said Tom Crowther. "The prob-

lem was given a first class setting, and the calibre of first aid work displayed by all the teams was right up to the high standard we maintain in the Sudbury district."

The accident victims, who cheerfully endured fractures, lacerations, haemorrhage and shock, and repeated treatment for same, were Bert Dekker and Rodger Coopman.

The ENR Basement team was composed of Corky Eden, coach, Ken Brownell, captain, and Lloyd Ooss, Bob Brennan, Gil Oagnon, Oscar Kopczinski. Representing Shipping and Shearing were Pat Clement, coach, Lou Walsh, captain, and Fred Butler, Steve Kirchmayer, John Turchetti, Tony Seppacerqua.

Held in the Inco Recreation Hall, the competition drew a large gallery of spectators, including many Cubs, Scouts and Girl Guides.

The Carpenters then went on to the Ontario division semi-final for surface plants at Sudbury, and demonstrated their class by winning the right to compete in the final competition against Crean Hill for the R. D. Parker Trophy.

Cambrian

(Continued from Page 19)

in mining and geology in the department of mineral engineering. He has had extensive experience in geological, geophysical and geochemical surveys in various parts of Canada.

Members of Cambrian's board of governors include G. R. Green, Inco manager of mines, and F. W. Sheridan, superintendent of casting at the Copper Refinery, the Sudbury school board authority after whom Sheridan Technical

School was named. Dr. Walter Curlook, assistant to the general manager of Inco, was a member of the original board of governors.

Young Visitors Impressed

Hundreds of senior secondary school students from the Sudbury area descended on Cambrian on its recent Open Night to enquire about the courses offered, see impressive demonstrations and displays of equipment and work in progress, and learn of the extensive program already established by the student administrative council.

They encountered a buoyant school spirit and enthusiasm in students and instructors alike, reflecting pride in the substantial progress made by the campus in its first year.

The basic philosophy of the college is a "free enterprise" educational society in which the student largely accepts the responsibility for his own education and must discipline himself and channel his ability to make the most of his opportunity. The change from the more regimented atmosphere of the high school is the primary challenge. Once he makes that change and develops into a "self-starter", he's got it made.

Cambrian's Sudbury campus enrolment now stands at just under 200. Next fall it is expected to reach 600. The present faculty of 20 instructors will be enlarged to some 50.

Joe Spigelski

After 35 years with Inco, the last 22 as a locomotive engineer at Copper Cliff, Joe Spigelski has tooted his last whistle and retired on service pension.

A farm near Sveta Jana, Yugoslavia, was Joe's birthplace, and it was 1928 when he decided that some of the vast areas of available farmland in Canada should be in-



Mr. and Mrs. Spigelski

vestigated. Somewhere along the line he got side-tracked, found railroad work in Edmonton and Windsor more attractive, and then turned his hand to construction at the Copper Cliff copper refinery.

He joined the Company in 1933, spent six years as a tuiere puncher at the smelter, six years as an electric welder, and made his final move to the locos in 1946.

Joe and Rose Levar of Sault Ste. Marie were married in 1934 and have a family of three. Mildred is the wife of Copper Cliff exploration department draftsman Johnny Koelich. Barbara (Mrs. Clayton Street) lives in Toronto, and Joseph is studying at the University of Manitoba. Two grandchildren complete the family.

A camp at Nepewass Lake is the place where Joe plans to relax this summer, but thoughts of next winter with no regular work to do have started him thinking about settling in the sunny south.



Having completed treatment of his injuries, the ENR Basement team carefully moves one of the victims onto a stretcher for transportation to a doctor. Observing are judge Tom Crowther and timekeeper Charlie Burke.



James H. Walter presents the championship trophy to the captain of the victorious Carpenters team, Gino Foresti. On the left are the team coach, Ross Butler, and Bob Lambert; on the right Walter Goulding, Bob Climenhage and John Koval.