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Features inside . . .

'Copter capers	2
A better way to do it	4
Port wins	7
Open house	8
Smokeaters show their stuff	10
Yuletide recipes	12
Portfolio	14
Faces & Places	16
Quiet on the set	18



Cover story

Russ Thom took the best photo in the senior category of the Triangle's summer snapshot contest. Russ took this shot of a sunset at Little Basswood Lake with a Nikkormat. Judges Gus Macoritto of Port Colborne, Peter Orfankos of CKSO-TV and Mike Dudowich of the Sudbury Star were unanimous in their choice. Our thanks to these judges who waded through a pile of readers' best efforts to come up with the selections also shown on page 14.

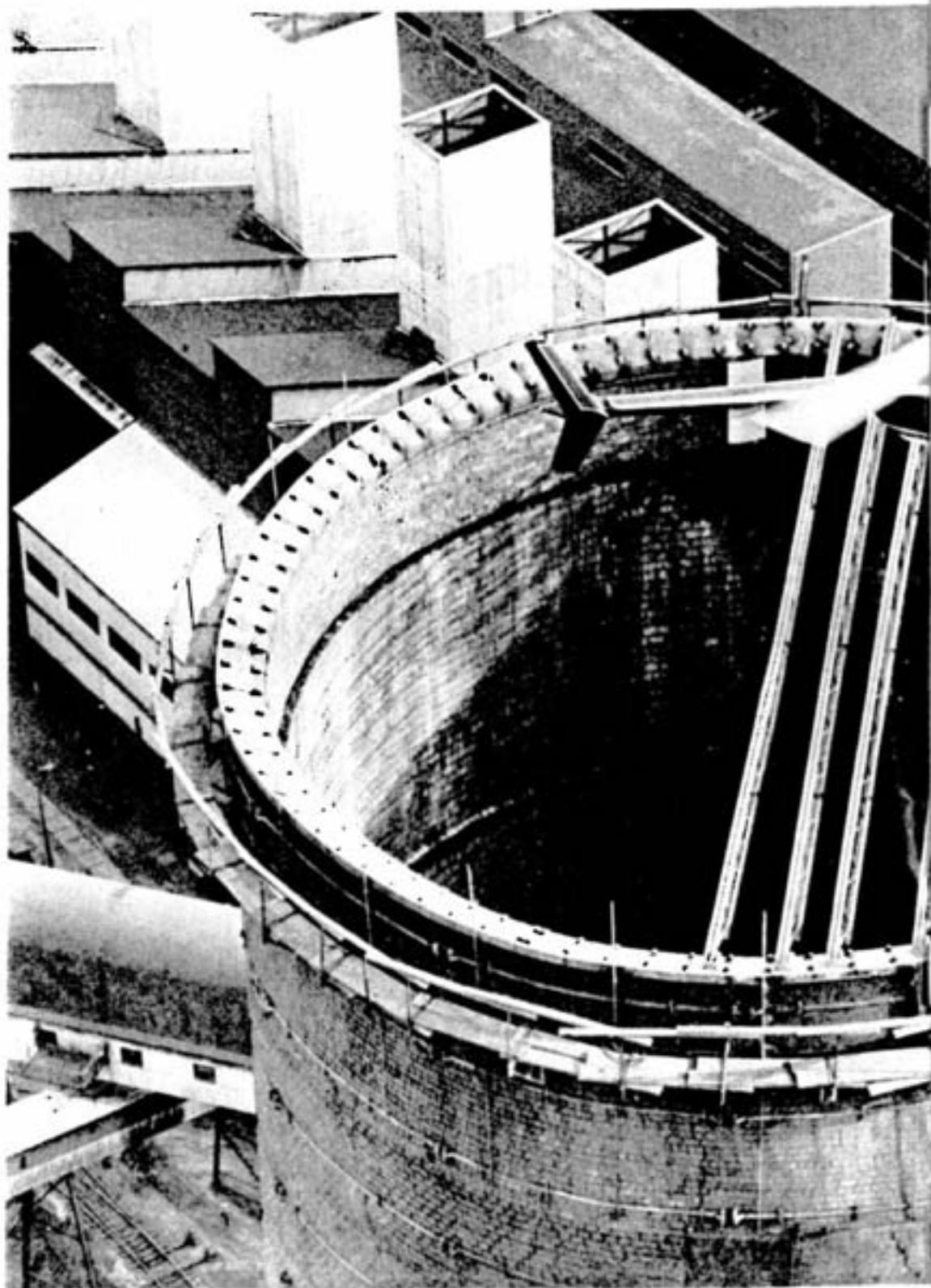
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'COPTER CAPERS



Slinged and ready to go, the helicopter lifts away from behind the Copper Cliff concentrator.



Hovering over the nickel stack, the helicopter lowers one of the joists to the rigging crew below.



Long a familiar landmark to Sudbury residents, the trio of smelter chimneys will puff no more. They were retired from service in August when the 1,250-foot superstack came on stream, and last month Custodis Chimney Co. completed capping all three.

The stacks are capped with $\frac{3}{4}$ -inch plywood laid on top of wooden cross-members and covered with roofing paper. Stainless steel flashing is placed around the edge of each stack. The caps rest on steel joists, weighing 400 to 800 pounds. Because there are no internal hoists inside the small stack, getting these to the top posed a problem which Custodis solved by chartering a helicopter for a day.

The chopper lifted 31 joists, seven for the 27 feet 10 inch diameter Orford stack, 11 for the 44-foot diameter concrete copper stack, and 13 for the 48-foot diameter brick nickel stack. Pre-planning, such as laying the joists on the ground in the exact order they were to go on each stack, meant the mission was completed without a hitch.

While Custodis' eight-man crew handled the complete job, one of Inco's construction coordinators, Wayne Taylor, was supervising the project. "Something like this is really a major undertaking," he said of the helicopter lift, "but it turned out to be relatively simple with no problems at all."

Asked why the stacks needed to be capped, Wayne explained that our extremes of weather and temperature would play havoc with the unprotected brick and concrete construction of the stacks.

In their day, these stacks held a number of notable distinctions. The Orford stack helped usher in the transfer of the Orford separation process from Port Colborne to Copper Cliff in 1930, while the 500-foot high copper and nickel circuit chimneys were long the highest stacks in the old British Empire. But advances in environmental control finally overcame them. The superstack replaces all three and does a better job of ensuring that the quality of air in the Sudbury area is better than any other industrial community in Canada.



Chopper's eye view shows the Custodis foreman in radio contact with the helicopter pilot hovering over the Orford stack.



George Shepherd designed the cradle this ST4 dump cylinder is resting in. Joe Krugas and Eddie Sharp are tightening the cylinder's outer locknut.

A better way to do it

Removing the ore from Inco's mines has become more efficient and safer since the introduction of mechanized equipment underground in 1966. Inco's Ontario Division now boasts of over 400 machines which, to the casual visitor, never seem to stop. But it's thanks to the talents and skills of people, including the 30 experienced garage mechanics in the central repair depot, that the machines stay running and the muck keeps moving.

Because drill jumbos or load-haul-dump machines are so expensive to purchase, they must be kept operating in order to earn their keep. Good maintenance is a must because breakdowns are a costly inconvenience, both in terms of produc-

tion downtime and under-utilization of an expensive tool.

The central repair depot works hand-in-hand with the underground garages at each mine, where routine day-to-day preventive maintenance is handled. When a human being becomes sick, doctors diagnose his symptoms to determine his illness. Similarly, the mechanics know how to detect a machine's signals when it is approaching a breakdown. Most obvious of these occurs when an engine begins to lose horsepower. When an engine or part begins to malfunction, it's removed immediately and sent to surface for overhaul.

Until recently, engines and accessories were returned to their

suppliers who performed the overhaul work under contract. But a study done by the mines and maintenance departments pointed to possible substantial savings if Inco did its own work. This proposal was partly based on the company's considerable experience with in-house overhauls of open pit vehicles. Savings of almost 50 per cent have been realized already on some categories of repairs and in all cases Inco has been able to do it cheaper than the jobbers or suppliers.

The central repair depot started as a pilot project last year, swinging into full operation in the summer. The depot repairs almost every component attached to underground machines

such as load-haul-dump machines, drill jumbos, Unimogs, diesel locos, etc. The old Frood open pit garage became the location because a dynamometer, test stand, valve grinding tools, etc., exist there, and because Frood-Stobie is the largest local mine complex.

Engines are the repair centre's biggest job and five different kinds of engines are repaired: 4 cylinder diesels from Jarcos and Unimogs; 78 hp. straight 6s from ST2 load-haul-dumps and drill jumbos; 145 hp. V6s from ST4s; 195 hp. V8s from ST5s, and 222 hp. V10s from ST8s. When an engine enters the shop, it is disassembled and steam cleaned to remove grease, carbon and other foreign matter. Steam cleaning will be replaced by a new bath cleaning unit soon to be installed. Individual parts such as cylinders, fuel pumps, valves, starters and crankshafts are also cleaned and reconditioned or replaced.

Three engines are reconditioned and built up each week. Before shipment to the North mine warehouse, where all spare

diesel engines are currently held, each engine is run for eight hours on the test stand and dynamometer. By varying speeds, false loads can be put on the engine to check its performance and the quality of the overhaul. Two or three transmissions and eight to 10 differentials plus eight torque-converters are also repaired each month and held for shipment in the depot's own warehouse.

Other jobs include overhauling the air compressors which operate brakes and starters on all underground machines; and hydraulic and pneumatic valves. Air receivers, the bottles which store the air for starting and for brake systems, get a lot of abuse underground. Straightening them is a simple chore, using a small hydraulic jack. Forty-five different types of cylinders, such as those used to raise and lower scoopbuckets or drill booms, are reconditioned for the Frood-Stobie complex. Other mines repair cylinders in their own local shops.

George Shepherd, shop foreman, provided the genius behind



This 10 cylinder Deutz diesel was in the shop only three days. Burt Rush and Richard Lampman are replacing a cylinder in one of the special engine stands.



Major Godin is the shop's transmission expert.



Compressors are Roger Desloges' specialty, and one of the depot's major tasks.

a unique piece of equipment: a hydraulic test bench. An equivalent unit costs \$17,000, but George and Alex Dure, a 1st class garage mechanic, designed and built the one used by Inco. It can test every item in a hydraulic system, such as high pressure pumps or steering systems, and make them perform the functions they would on an operating machine.

"An ounce of prevention is worth a pound of cure," might well be the repair centre's motto. Every month maintenance and mine foremen, and their vehicle inspectors, receive training on a specific subject, such as hydraulic systems or cylinder maintenance. When they return to their own mines, they pass this information along to fellow employees.

Ray St. Pierre, depot general foreman, said that this program has been running for only three months, but that positive results are already being noticed. "The drivers and operators in the mines are becoming more knowledgeable about the problems

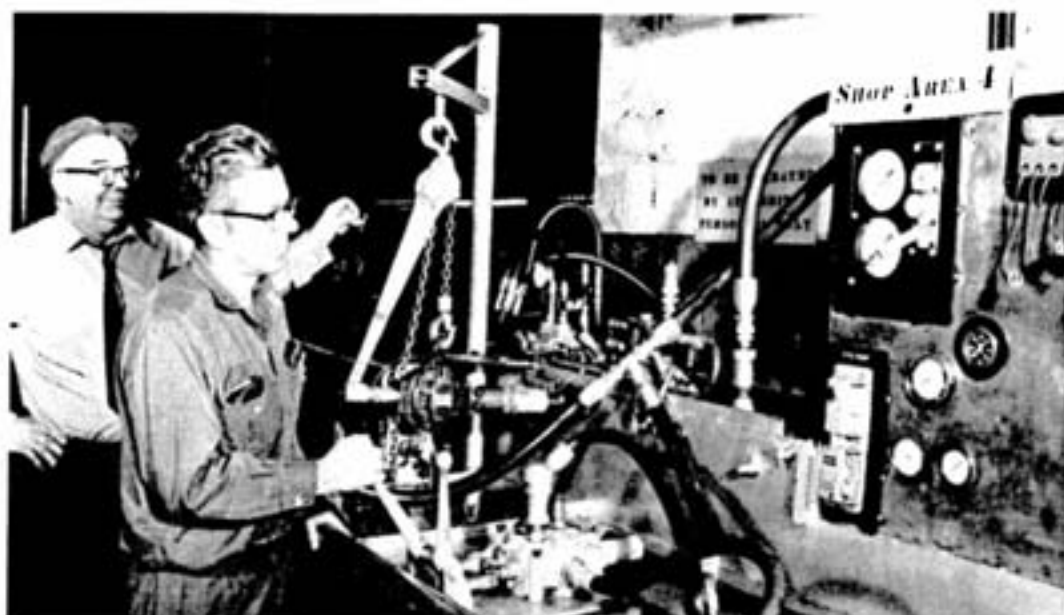
created through improper operating techniques, and we main-

tenance people are learning about their problems. It's a two-way street," he said.

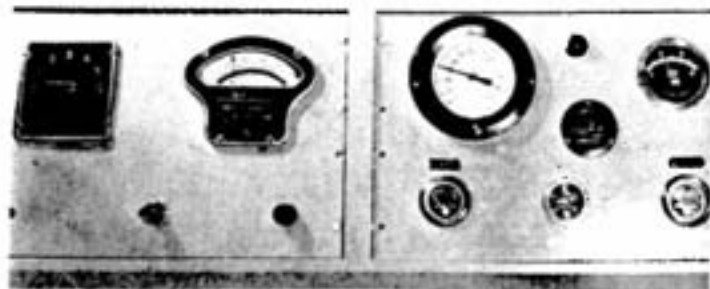
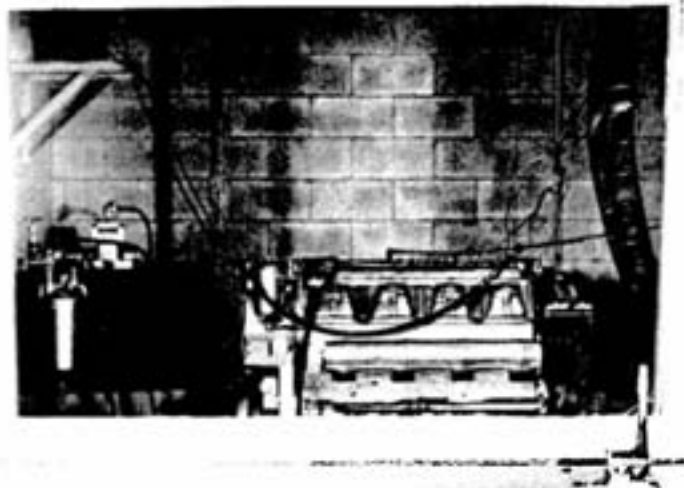
Besides the training, the centre has started to write formal manuals for operators and mechanics on the various kinds of mechanized equipment. Three specialists — Gerald Heinz, George Friel and Ed Schmidt — produce the manuals. They visit the mines regularly to follow up on repairs, assess results of training, and suggest modifications to equipment consistently causing downtime and production delays. When feasible, these suggestions

become standard overhaul procedures, thereby improving the breed of equipment in the hands of working miners.

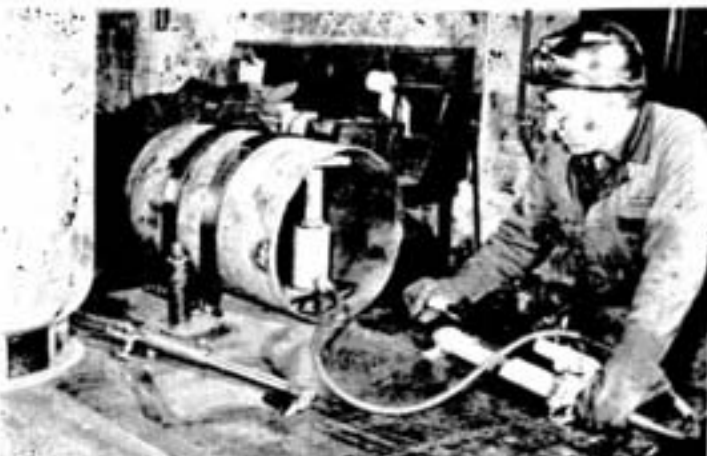
Mining the Sudbury ores has changed a lot since the day of the pick and shovel. For Inco to succeed it must compete effectively with other companies. This means efficiency is the aim when mining our low grade sulphide ores. And one of the best ways of achieving that goal is through teamwork between the miners in the stopes and those behind-the-scenes, like the men of the central repair depot.



George Shepherd and Alex Dure share the credit for this hydraulic test unit. George's hand is on the wheel which tests orbital valves for ST-series vehicles, while Alex is testing a main control valve from an ST2.



Eight hours on the test stand and dynamometer will determine if this 8 cylinder engine meets company quality standards.



One of Don Leduc's jobs is to salvage LHD air tanks using a small hydraulic jack and a circular jig.



Doug Jamieson shows style as he tees off on the first hole. Later, Doug reached the height of golf ecstasy when he scored a hole-in-one in the tournament.

PORT WINS

Despite high winds and generally inclement weather, the Port Colborne nickel refinery golf team emerged triumphant over teams from Copper Cliff and Toronto in the inaugural event for the President's trophy. This beautiful new trophy, donated by Ontario Division President, John McCreedy, will be up for annual competition among the three sections of the Ontario Division.

Designed by Inco graphic artist Orest Andrews, the trophy features an attractive golf scene carved in wood by Creighton's Charles Paxy and framed in stainless steel. A polished piece of Sudbury ore mounted upright on the base completes the handsome trophy.

Don Ripley of Copper Cliff and Don Forest of Toronto led the parade with identical scores of 79. However, using their home course to advantage and playing steady golf, the Port team was able to gradually build up a commanding lead.

Highlight of the day was a hole-in-one scored on the par 3,

165 yard fourth hole by Doug Jamieson of Toronto. According to the eye-witness testimony of Merle Noyes, it was a perfect 7 iron shot, hooking in toward the pin and gently nestling into the cup. True to the Rules of the Royal and Ancient, Doug set them up for the house during the happy hour prior to dinner.

Charles Ott performed the duties of M.C. for the presentation of awards following a steak dinner. Each player received a prize of his choice from a collection which included four sport bags, four flashing safety lights and four travel alarm clocks.

In the absence of John McCreedy, Bob Browne, manager of the Port Colborne refinery, presented the trophy to the winning team. Included in his remarks was a warm welcome to all the golfers and he expressed his happiness in playing host to the tournament. The event, convened by Les Lewis, was deemed a decided success by the players who complimented the organizer for his work.



Bob Browne presents the President's trophy to Merle Noyes, Ken Burke and Al Reid. Bob Noyes, the other member of the Port team missed the presentation.

TEAM SCORES

Port Colborne		Copper Cliff		Toronto	
Al Reid	80	Don Ripley	79	Don Forest	79
Bob Noyes	80	Ted Flanagan	84	Doug Jamieson	80
Ken Burke	81	Bill Buchanan	86	Jack Durrell	91
Merle Noyes	82	Roy Maud	88	Ron Lake	93
Totals	323		337		343

REFINERIES' OPEN HOUSE

Refinery employees, their families and friends in Port Colborne and Copper Cliff enjoyed a rare treat when all three plants opened their doors to show how nickel and copper products are made. Termed an instant success on the basis of employees' comments, the Port Colborne nickel refinery hosted over 2,000 visitors on three consecutive weekends, the new Copper Cliff nickel refinery entertained about 500 guests and over 1,600 took the opportunity to tour the copper refinery.

Port Colborne

An attractive display in the Recreation Club illustrated the process by which the fluid bed nickel oxide from Copper Cliff is treated to produce nickel cathodes, which are sheared and packed to our customers' specifications. The display provided examples for Assistant to the Manager Charlie Ott's briefing to each tour group.

Port's tour included a visit to the anode department where one of the oil-fired reverberatory furnaces was tapping the molten anode metal into 500-pound anodes on a mechanized casting wheel. Next stop was the Foundry Additives Plant and the newly completed "S" Nickel Rounds facility, both subjects of recent Triangle stories. The south tankhouse and the shearing department, where guests were fascinated by the various forms of nickel shipped, completed the tour.

Copper Cliff refineries

Final installation and testing of equipment is underway still at the new Copper Cliff nickel refinery, scheduled to start up next year. Manager Chris Dunkley met most of the visitors and provided a 15-minute talk using flow diagrams to explain the plant's processes and its products, nickel pellets and nickel powder.

Inside the plant, which is larger than it appears from outside,

hundreds of complicated piping circuits and miles of power and control wiring are complemented by the spacious access areas and bright working environment. The highly-automated plant will use two brand-new Inco-developed techniques, visitors were told. One is the use of the top-blown rotary converter for nonferrous smelting, and the other is the use of the Inco Pressure Carbonyl process for the recovery of pure nickel from a variety of nickel-bearing feed materials. The Inco tourists got a good look at the two 50-ton converters, and one group saw the first (empty) rotation of one of the three reactors.

The copper refinery scheduled its open house on its inventory day so visitors could see samples of every copper shape the plant produces, as well as a precious metals display which featured a silver bar, gold bar, and sample bottles of platinum, rhodium, osmium, selenium, tellurium and other metals.

The tour route through the plant included the first glimpse of the new Electrowinning plant which will treat copper, cobalt, and precious metals extracted from the reactors in the new nickel refinery next door.

While there was no casting occurring on the weekend the tour was held, the visitors were able to observe the anode furnaces in operation. Most popular "exhibit", however, appeared to be the stripping gang in action in the tankhouse. The speed and teamwork these men display in producing the smooth pure copper starting sheets fascinated everyone.

All three plants report that favorable comments are rolling in from employees and their wives and there's little doubt that the enthusiastic reception with which the open houses were received guarantees similar days in the future. The next plant to open its doors will be Clarabelle mill later this month.



Port Colborne used buses to save its visitors' feet.



Samples of nickel squares fascinated this lady when she toured Port's shearing department.





Chris Dunkley briefs a group of visitors, while below a copper casting mould frames a young visitor.



An elaborate model of the new nickel refinery provides a backdrop for Red Butler.



"This is a process lance and fume duct hood belonging to one of our converters," a Copper Cliff nickel refinery guide tells his visitors.



Teamwork in action: the copper refinery's stripping gang. Above: the copper refinery thought of everything, including a mirror for ladies to adjust their hard hats.

Smokeaters show their stuff



Non-pumper crews have to hustle to get their hoselines into position. This is a Clarabelle mill crew.



A Levack fireman makes the right choice and uses an extinguisher to put out the oil fire. Below, Copper Cliff's pumper crew rushes to connect with the hydrant.



On call to fight fires at any time, Inco's volunteer plant firemen are an enthusiastic lot, many of them also serving as volunteer firemen in their home communities throughout the Sudbury district.

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

There are 29 surface plant fire brigades and each year since 1946 Inco fire inspector Don Bray and his staff have organized a competition for the pumper and non-pumper crews. "We get a lot of valuable training out of the practices for the competitions," he said, "and the boys learn a lot from the critiques."

Practices for this year's competition began after the vacation shutdown, with the test evolutions being run last month.

Six timed evolutions challenged the 16 non-pumper crews to prove their proficiency. One required them to lay down two different sizes of hose line and then race 320 feet to hit a target. In another, they faced a live oil

fire and had to be decisive on the method of extinguishing it.

The pumper teams had to deploy their hose on the fly and be ready to hit a target 170 feet and 300 feet away as soon as the truck stopped. Another test timed them hooking up to a hydrant with two lines of hose.

Both types of brigades were examined also on rescue techniques and breathing apparatus, and their officers were given a verbal fire-fighting problem to solve.

Scoring was calculated using a complicated timing system whereby competing teams were penalized penalty seconds for errors or delays in carrying out their procedures.

Creighton wins

Creighton mine won the pumper contest with a four-second bulge over the second place Town of Levack brigade. The firemen's victory completes a sweep for Creighton. The mine complex won the Parker first aid championship and was Inco's top Ontario division mine rescue squad. The Creighton firemen plan to celebrate their victory with a Firemen's Ball to be held at Cabrini Hall on Dec. 9.

Members of the top pumper crew are: Frank Blum, Fred White, Walter Szypt, Art Van Allen, Bill Zyma, Graham Wilson, Tom Leblanc, Jim Stefanko, "Inchie" Di Filippo, Sol Sherbanuk, Connie Moxam, George Sutton, Bill Dumencu, Tom Moyle, Bill Peacock, Dick Laframboise, Paul Roy, and Bill Mulligan. Creighton last won the pumper competition in 1961.

The other teams in order of finishing were: Town of Levack, Lively, IORP "A", smelter's Brown shift, Copper Cliff mill "D", IORP "C", Copper Cliff mill "C", IORP "B", smelter's Shebeski shift, smelter's Barton shift, Copper Cliff mill "B", and "A".

Non-pumpers tie

Two teams tied for first place in the non-pumper competition: Garson Mine and Stobie No. 7. It was Garson's first win since 1961 and the first victory ever for a Stobie team. Both brigades completed the competition in an incredible 59 seconds. Members of the Garson squad are: Ed Renaud, Tom Rollins, Orlando Rinaldi, Bill Swech, Len Brouseau, Eugene Fisher, Ivan Moore, Sam Toivola, Mike Brennan, John

Mokan, Jack Laking, Jim Armstrong, Denis St. Aubin, Don Hinds, Andy Muir and Maurice Martin, Ken Prestage, John Brodie, and Dave Mann. The Garson team also protects Kirkwood mine.

Members of the Stobie brigade are: Leo Chasse, Noel Leger, John Borkovich, Ray Talamelli, Larry Napren, Mike Wilczynski, Frank Melishi, John Ceccone, Bill McKnight, George Morin, John Gomme, Ken Hoop, Orville Young, Doug Prestage, Jim Turton, Norm Miles, Bill Reynolds, and Bill McGlashen.

The other teams in order of finish are: copper refinery "C", Clarabelle mill "A", Levack mine, Frood mill "B", Clarabelle mill "B", copper refinery "B", Frood mill "A", Frood mill "C", Frood No. 3, copper refinery "A", Clarabelle open pit, Clarabelle Mill "C", Clarabelle Mill "D", and Little Stobie.

The last word belongs to Don Bray: "All these men go about their duties quietly and efficiently. Their presence is essential to our safe operations and, in some cases, the safety of our homes. I'm proud of them."



Clarabelle mill firemen are obscured by the fine mist of a fog spray.



Director of administration Warner Woodley presented shields to all the winning crews. Here, he congratulates Creighton chief Frank Blum and his assistants Walter Szypt, Art Van Allen and Fred White.



Stobie No. 7 were a proud crew when Ken Hoop accepted the non-pumper shield from Warner.



The whole gang gathered around at Garson when Warner Woodley presented the shield to Dave Mann and John Brodie.

Mr. Micawber's Punch

½ pint brandy
½ pint rum
1 pint boiling water
3 or 4 ounces of sugar
1 large lemon
pinch of cinnamon
nutmeg
cloves

Grate the lemon peel, put sugar, cinnamon, nutmeg, cloves, brandy, rum and boiling water in a pan. Heat the mixture, but do not boil. Strain lemon juice into punch bowl, add hot liquid and serve.

From Mr. Micawber of Charles Dickens' novel David Copperfield

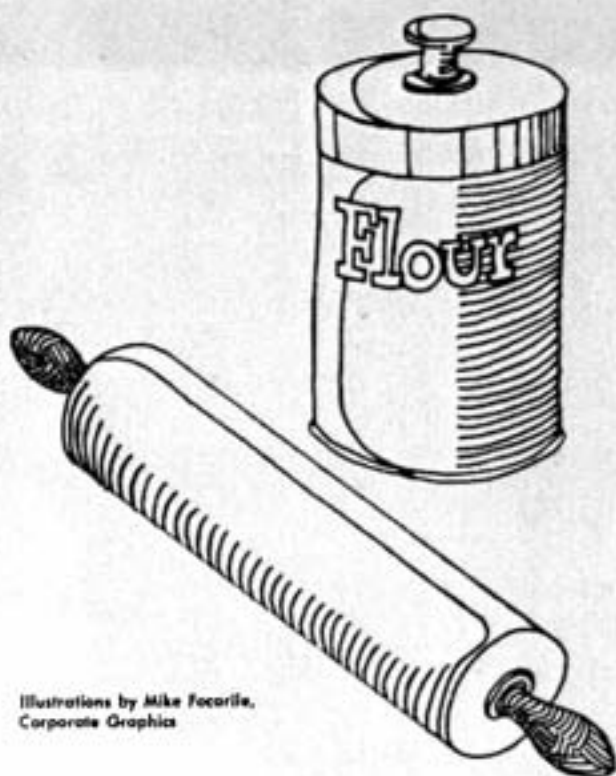
YULETIDE RECIPE

German Stollen

8 cups sifted enriched flour
1½ cups lukewarm milk
3 ounces active dry yeast
2 cups creamy soft butter
¾ cup granulated sugar
1 teaspoon grated lemon peel
7 cups seedless raisins
1 cup shredded citron
2 teaspoons salt
1 generous dash rum
¼ teaspoon crushed cardamom seed
¼ teaspoon crushed nutmeg

Soften yeast in lukewarm milk. Combine ¾ cup of milk with 1 cup of flour and softened yeast. Let stand 20-25 minutes; add butter, sugar, condiments as well as the remaining milk and flour and mix well. Now gently fold grated lemon peel, raisins and citron into dough. Let rise for 20 minutes twice, punching down each time. Form three ropes; braid and place on greased cookie sheet. Let stand 10 minutes and bake in hot oven (450°) up to 1½ hours. After baking, brush twice with butter and sprinkle generously with confectioners' sugar.

Illustration: Barbara



*Illustrations by Mike Focarile,
Corporate Graphics*

SUGGESTIONS

Fruit Cake From India

4 cups flour
 2 cups brown sugar
 2 cups butter
 10 eggs
 3 pounds raisins
 3 pounds currants
 3 pounds citron peel
 ½ cup almonds, blanched and sliced
 2 cups milk
 3 tablespoons red wine
 ¼ bottle brandy
 1 tablespoon molasses
 1 teaspoon powdered cinnamon
 1 teaspoon powdered cloves
 4 ounces powdered mace or nutmeg
 1 teaspoon bicarbonate of soda

Cream the butter and sugar. Beat the eggs to a stiff froth and stir in. Add the flour gradually, then the molasses and spices. Dissolve the soda in milk. Strain and mix in the wine and brandy to curdle. Add to the mixture. Stir in the fruit and bake in a moderate oven for 3 hours.

Fruit Compote

1 11-ounce package of mixed fruit
 ¾ cup of brown sugar
 ½ cup raisins, light and dark
 ½ orange or lemon, sliced paper thin, then halved
 2 tablespoons lemon juice
 1 teaspoon whole cloves
 1 inch stick cinnamon

Combine ingredients in a 1½ quart casserole. Add water to cover, about 2½ cups. Cover and bake at 350°F. for about 1½ hours. Cool.

From A Festival of Jewish Cooking by Cecile Lowenstein, Heides and Bender, New York

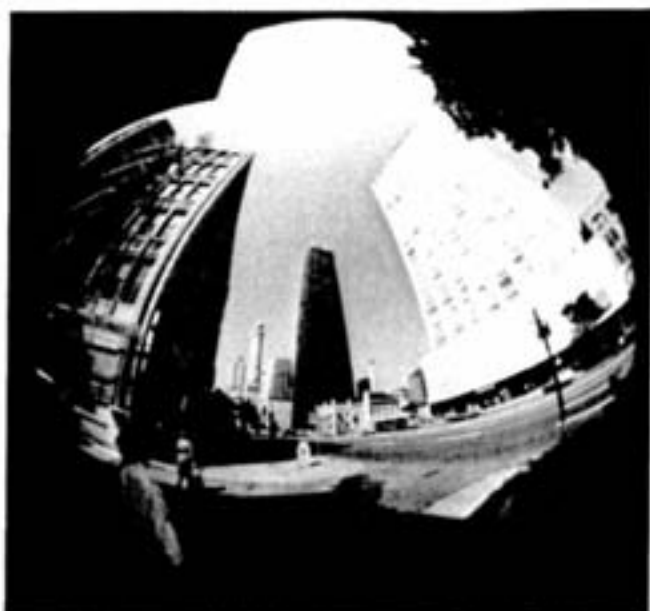


PORTFOLIO

The finalists in the Triangle's summer snapshot contest show off their best efforts



SECOND: Stewart Kallio, Lively. "Mumma". Stewart used a Minolta SR-1 and Kodachrome-X to photograph his 83-year old grandmother who "began to fuss with her hair and complain that she didn't look good, but when she smiled and waved me off I snapped the shutter . . ."



THIRD: Roger Cooke, Sudbury. Looking South on North Michigan Avenue, Chicago. Roger used a Miranda Sensorex and a fisheye attachment to get this different view of a street scene.

HONORABLE MENTIONS



Peter Kamstra, Sudbury. "Good weather for ducks". Peter used a Leica M3 and Ilford Pan F to capture the mood of last August.



Roger Cooke, Sudbury. "Serenity" — A late evening shot of St. Marks Lutheran Church, Chicago.



Dan Gobbo, Sudbury. Dan used a time exposure at 5:30 a.m. to catch the mist moving off this river in the Muskoka region.



There were faces smiling all over Clarabelle mill Nov. 1 when the plant celebrated its first birthday with cake and coffee. In the main mill lunchroom, receptionist Shona Russell helps maintenance mechanic Norbert Lalancette to some cake.

Faces & Places



Frood-Stobie Athletic Association sparkplug Eldred Dickie made a special presentation of his softball trophy to the top team in the mine's softball league. He entertained a group from the engineers team in his home. Seen here celebrating are Brian Caldwell, Terry Lineker, and Cec Goudreau in the rear, and Don McCroome, Terry Ready and Eldred in front.



Joseph Smith receives an Inco scholarship from Dean L. R. Jones of Northern College of Applied Arts & Technology in Kirkland Lake. The scholarship is presented on the basis of academic proficiency in welding engineering technology, a three-year program only offered at the Kirkland Lake campus of Northern College.



Inco's Copper Cliff operations use thousands of pounds of lime every month. It neutralizes acid and precipitates solids in process water, before the water is released to the environment. Canadian Liquid Air Limited, in Sudbury, manufactures over 20,000 pounds of acetylene gas every month. Lime is a by-product of the process, and a difficult one to dispose of. While its use in cases like Inco's corrects a water condition, in another it can be a pollutant. A specially designed truck now transports some 40,000 pounds of lime from Canadian Liquid Air to Inco each month.



Inco's Ontario division hosted a group of Canadian and United States security analysts last month. The analysts, who toured Sudbury district plants, were briefed by L. E. Grubb, president and chief executive officer. They also heard reports on the company's financial position, marketing outlook, and production operations from Charles F. Baird, senior vice-president, Kenneth A. DeLonge, vice-president responsible for marketing, and John McCreedy, president of the division. Here Dieter Schoenefeld describes one of the new nickel refinery's control rooms to some of the visitors.



Garson Cubs, Brownies, Guides and Scouts raised \$50 for the new Garson Community Centre nearing completion. Presenting the cheque to Reeve Stan Hayduk are Ken Robertson, Marie Lisa Sheppard, Dwayne Gregorchuk and Rena Bergeron. Looking on is Councillor Phil Bonhomme.

Quiet on the Set

Sudbury may become the film capital of the North, following the arrival in the district of Clearwater Films, a new Canadian movie company. The group spent a week here in October and will return later this month to shoot further scenes with snow on the ground.

Sudbury was chosen because the script required an industrial background, and when Inco's Ontario Division agreed to co-operate and permit use of some of its plants as "locations", the filmmakers decided to work a mining thread into the plot. An additional attraction was Coniston. The film crew decided both Sudbury and Copper Cliff were too large for the impression of a small mining town they wanted to portray, but found Coniston to be ideal.

A hint of what might be in the future was the enthusiasm of one member of the company who said he wants to return next

year, if he can obtain financing, to film a western.

"Get Back" is the working title for the crime thriller which explores the conflict between a man's love for a woman and his friendship for her man. Woven into this love triangle is the story of the preparation and execution of a mine payroll robbery. Asked if crime pays, assistant director Ian McDougall laughed and said: "Not really. The characters in our story fumble the job and end up with only themselves to blame for getting shot."

Stars of the picture are Hollywood actress Bonnie Bedelia, best known for her parts in "They Shoot Horses Don't They?" and "Bonanza"; Canadian Chuck Shamata, most recently seen in an episode of "Police Surgeon"; Michael Parks, who fans will remember from "Bronson" and "Wild Seed"; expatriate Canadian Henry Buckman, seen in TV's "Peyton Place" and "Here

Come the Brides"; and well-known Canadian character actor, Hugh Webster.

Director Don Shebib's credits include the international award-winning films "Goin' Down the Road" and "Rip-Off". Richard Leiterman, the director of photography, was the cameraman for both of Shebib's earlier successes, and also shot "Wedding in White", this year's Canadian Film Award winner.

When the film is finally released next year, a number of familiar scenes will be featured on the screen. Besides shooting inside and outside a private house on Edward Street in Coniston, at a Sudbury cemetery, and around Copper Cliff, Inco employees will recognize Froid Mine, the smelter, Clarabelle mill and North mine. Sharp eyes will also catch a few Inco employees who "walk on" in some of these scenes.



A tense moment being filmed outside Froid mine.



"Quiet everyone! Scene 33, Take 1, framing, sound..."



Cameraman Richard Leiterman and director Don Shebib discuss shooting angles. Left, Bonnie Bedelia leans against the Froid mine fence.



Actor Hugh Webster prepares his make up inside the Froid gatehouse.

Shebandowan faces

Six men have been appointed to senior positions at the company's new mine-mill complex at Shebandowan, Ontario. Reporting directly to George Johnston, manager, they are:

L. M. Bernard, mill superintendent; T. G. Carter, maintenance superintendent; A. M. McCuaig, administration superintendent; J. W. Ricketson, mine superintendent; E. W. Tutkaluk, mine engineer; and J. B. Vance, mine geologist.

Lou Bernard had been assistant mill superintendent at the company's Froid-Stobie mill in the Sudbury District. He joined Inco's research department at Copper Cliff in 1963. In 1970, he was appointed assistant to the mill superintendent, Copper Cliff mill. In

his new position, Lou Bernard will be responsible for operation of the mill, which supplies concentrate to the Copper Cliff smelter. Lou and his wife Mary Lee have three children and reside in Thunder Bay.

Tom Carter was formerly general foreman, maintenance, Froid-Stobie mill. He joined Inco in the Froid-Stobie maintenance department in 1969. In December of that year, he was appointed area foreman, maintenance. His new responsibilities include ensuring efficient maintenance services to both the mine and mill operations. Tom and Barbara Carter have one child and reside in Thunder Bay.

Alex McCuaig joined the accounting department at Inco's copper refinery at Copper Cliff in 1948. He transferred to the industrial relations department in 1967. In 1970 he was appointed senior industrial relations representative and in 1971 became an area supervisor in that depart-

ment. At Shebandowan, he will be responsible for employee relations, safety, public affairs, accounting and local purchasing. Alex and Rita McCuaig have four children and reside in Thunder Bay.

John Ricketson joined Inco in the efficiency department at Froid mine in 1959. Following his transfer to Creighton mine in 1964, and after holding positions of increasing responsibility at Creighton, Froid and Garson mines, he was appointed general foreman, Kirkwood, Copper Cliff South and Stobie Mines in 1971. His new responsibilities include operation of the mine and establishing production priorities. John and his wife Pamela have three children and reside in Thunder Bay.

Ed Tutkaluk came to Inco in 1968 from the Boss Mountain Division of Noranda Mines in British Columbia. He had been mine engineer there. He joined Inco in Copper Cliff in the mines engineering department. At Shebandowan, he will be responsible for mine planning and development, and for environmental control. Ed and Marjorie Tutkaluk have two children and reside in Thunder Bay.

Jim Vance has been senior geologist at Shebandowan since September, 1971. He joined Inco's mines exploration department as a stope geologist at Leveck mine in 1969. He became stope geologist at MacLennan mine in November, 1969, and transferred to Shebandowan, in the same capacity, in March, 1970. His responsibilities at Shebandowan include defining the ore-body and formulating plans for future mining. Jim and Mary Vance will make their home in Shebandowan.



The picture pass is a new innovation to recalled employees. Helen Gordon shows Lloyd Robicheau how his pass is made.

Sudbury recall starts

The first group of recalled employees are back on the job. Most of them have been assigned to vacancies in the smelter or in the transportation department.

Starting the end of October, Inco began recalling 150 men, in order of seniority. Art Bennett, manager of employee relations, advises that plans are that all of the 625 hourly-rated men that were laid off earlier this year will be recalled.

Because of the recall, activity at the employee office in the

Sudbury Inco Club has increased. Using streamlined procedures first introduced about a year ago, Art said it takes only two days' processing before a man is back at work. One day is used for medicals, and one day for paperwork, taking picture passes, and for benefits counselling. Since the employee relations department was reorganized last month, the Sudbury office has assumed all responsibility for the hiring and processing of all job applicants, both hourly-rated and staff.



A big crowd turned out to wish well to Emile Blondin and Art Doan. They're in the photo holding their presentations.

Port fetes pensioners

"B" shift in the anode department of the Port Colborne nickel refinery honored two of their retired workmates, Art Doan and Emile Blondin, at a retirement party held in the Optimists' Hall in October. Art has 37 years' service, while Emile will join Port's Quarter Century Club at this month's meeting.

Many pensioners turned out for the evening and to watch Jack Clarke present the two men with a mounted miniature anode plus a well-stocked wallet.

Arrangements for the successful evening were handled by Richard Castle and Gilbert Davidson. Arnold Pichette took charge of entertainment.

October suggestion awards

Name	Location	Subject	Award
J. Bergeron	F.B.R.	Permanent platform at splash tower	\$290
H. O. Reid	Clarabelle open pit	Repairs to Haulpak steering bell cranks	285
W. Cecile	F.B.R.	Oxygen probe modification	45
E. Fournier	C.C. smelter	Flue dust car revisions	45
L. Brousseau	Garson	Boiler steam line changes at Garson	35
R. Ransom	C.C. smelter	Cu reverb lunchroom changes	25
W. Shwart	F.B.R.	Screening on No. 4 building exhaust fan	25
L. Willoughby	Clarabelle open pit	Rockhouse warning cable changes	25
E. Taillefer	Frood	Door for oil cup cover guards on sand tank	20
J. Lezun	C.C. smelter	Flashing light at Sheppard hoist	20
W. A. Bates	Stobie	Changes to handles on 61-R table wrenches	15
C. Campbell	C.C. shops	Permanent electrical receptable at machine shop	15
L. Lagrove	C.C. shops	Grounding of motor base at winding shop	15
A. Rancourt	Cu refinery	Removal of pipes or racks used to move wire bar	15
L. E. Wilks	C.C. smelter	Change to reverb slagchuteman's hammer	15
TOTAL			\$890

Appointments

COPPER CLIFF

D. W. Bradley, manager, design, general engineering;

L. A. Crema, superintendent, Copper Cliff shops;

P. E. Semler, chief planner, Copper Cliff shops;

Harold Howes, technical specialist, maintenance engineering.

C. M. Mitchell, superintendent, F.B.R. Extension;

R. R. Moskalyk, superintendent, matte separation;

H. N. Schooley, superintendent, F.B.R.;

Doug Gathercole, maintenance superintendent, IORP;

J. E. Kuzniar, supervisor of maintenance control, smelting and refining;

R. L. Snitch, administrative assistant, smelting and refining;

T. J. Flynn, supervising industrial engineer, smelter;

J. J. Hatch, supervising industrial engineer, mines;

J. G. Pancel, supervisor of standards;

W. H. Digby, superintendent of employee relations;

D. F. Chapman, supervisor of recruitment and employment;

Frank Sorochinsky, supervisor of salary administration and organizational planning;

D. A. Hickey, supervisor, division services and overhead, comptroller's department.

PORT COLBORNE

C. H. Ott, assistant to the manager;

B. I. Lindenau, superintendent of operations;

W. T. Gretton, superintendent of administration;

J. C. VanDillen, superintendent, electrolytic nickel refinery;

E. F. Winter, superintendent, anode and leaching, calcining and sintering department.

PARENT COMPANY

Charles F. Baird, senior vice-president;

Frank C. Burnet, vice-president; dent;

John H. Reevy, vice-president.

From Russia to Port with love

For John Koval and Silvio Concessi of the Port Colborne refinery, their recent visit to Russia for the hockey series has been "their trip of a lifetime," but both agree they aren't anxious to return there.

John and Silvio went together on the Can Tours excursion. They were in the University Hotel at first, about 10 miles from the centre of Moscow, but were lucky enough to get moved to the Intourist Hotel where the hockey players stayed. In fact, they got Vic Hadfield's room when he left the club. "You could really see the pressure the players were under," noted Silvio.

Some of the Russian people are very cold but others were pleasant and polite, going out of

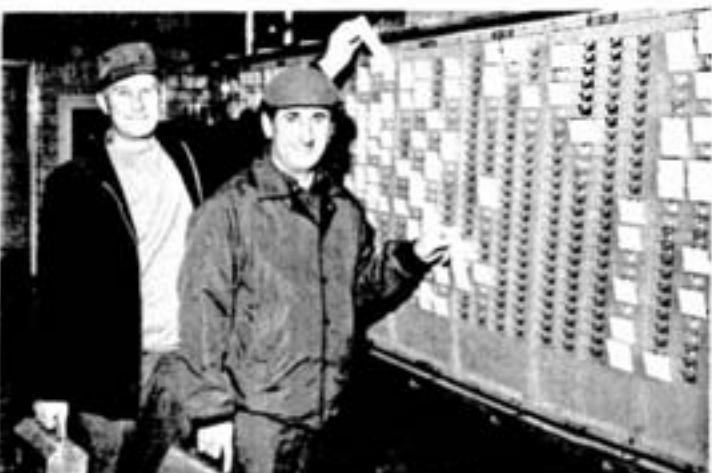
their way to be friendly, the two said. There were plenty of police and military personnel in evidence. Customs and immigration were not a problem either entering or leaving the country.

As far as the Incoites were concerned, there were no problems. You could leave the hotel, hire a taxi and go anywhere in Moscow or use the beautiful subway and shop in any store as long as you had the rubles. Long line-ups resulted in most stores and nothing was wrapped. Everybody carries a brief case to put his purchases in.

"The meals in the city were passable but much better on the outskirts," recalls John. However, Silvio says, "The beer was terrible — the worst I ever had."



Like many Canadian hockey fans and tourists, Silvio and John had their photo taken at Moscow Square. Back on the job, the two punch in at the Port refinery.



RETIREMENTS

Divisional foreman, Harry Narsnek, has retired from Creighton No. 3 shaft with 36 years' service.

Harry and his wife, the former Betty Barnicott of Creighton, are planning trips and intend to spend the colder months in Florida. They have been living in Creighton for 37 years and during that time Harry has been involved in many different sports activities.

Their son, Bill, is a shift boss at Copper Cliff North mine. Two grandchildren round out the family.



Mike Corrigan was born at Killaloe and was raised on a farm there. He came to the Sudbury area in 1936 and was signed-on at Frood mine to work underground. After working at the open pit and Stobie mine, he returned once again to Frood where he put in his remaining shifts as a hoistman.

Callander was the scene of the marriage between Mike and Elizabeth Morrissey in 1937. Babysitting their daughter Helen's three children provides Mike and his wife with a great deal of enjoyment. Helen is married to Don Farquharson, a machinist at Copper Cliff.



"Earl" Basto is looking forward to his retirement years doing odd jobs about his home in Naughton and spending more time with his nine grandchildren.

His career with the company started in 1936 at Creighton where he has worked continuously. During the last 20 years of his service, Earl worked in the mill as a first class maintenance mechanic.

The Basto's have four children and their one son, Jack, is with Inco at the iron ore recovery plant. Two daughters are married to Inco men: Miriam is Mrs. Don Laframboise and her husband is a mechanical foreman at the Copper Cliff smelter; Helen is married to Oiva Koski who is employed at Creighton No. 5 shaft.



Del and Gladys Lachance keep their truck-camper packed and when they feel like travelling, hunting or fishing, they just "pick up and go".

All of Del's 39 years service was spent at Creighton No. 3 shaft where he did various jobs underground. Upon retirement he was a blasting boss. During the War he enlisted with the Royal Canadian Engineers and was in the service from 1942 to 1947.

He and Gladys Tessier were married in 1946 at Sudbury and their family is made up of two children and two grandchildren. Ray McPhail, of the metallurgical department at Copper Cliff, is married to their daughter, Dorothy.



During retirement, Tony Roesli and his wife hope to escape the winter months by heading south to bask in the sunshine and return north to take in the summer fishing.

The majority of Tony's 25 years' service was spent at Stobie mine where he worked on a number of different jobs, ending as a tippleman.

He and Mrs. Edna Lacourciere were married in 1947 at Sudbury. Six children and 19 grandchildren complete the family. One of their sons, Marcel, has been with Inco at Stobie mine for 25 years. Their daughter, Claudia, is Mrs. Vic Lumbus and her husband is a warehouse clerk at Garson mine.



"I'm going to relax and really take things easy," were John Silli's parting words as he left the Port Colborne nickel refinery after 37 years. John was born in 1908 in Hungary. He grew up on the family farm until, at age 13, he went to work to help support his family until setting out for Canada in 1928.

John's Canadian jobs included farm work, laying track for the CPR, construction and making shoes.

John's experience with the CPR counted when he was hired at the refinery in 1935. His first seven years were spent in the yard gang as a trackman. In 1942, he moved to the electro-nickel department where he was a unitman for 27 years, before moving to the mastic gang.

Elizabeth Katon, a Czechoslovakian by birth but a Canadian by choice, and John were married in Port Colborne in 1934. They have three children and six grandchildren.

Diamond drilling was a trade that Auguste Leclerc was well-trained in before joining the company. During his pre-Inco days he was a diamond driller at Noranda mines for 12 years and this was the job he did for a good portion of the 25 years he spent at both Creighton and Frood mines. Auguste worked his last shift at Frood as a powderman.

It was while he was working in Rouyn that he met and married Lucille de Villiers in 1937. Auguste and his wife are the parents of three children and grandparents of three. Their only son, Jacques, is a surface haulage truck driver at the Clarabelle open pit.



Now that he is a man of leisure, Bill Davidge will have plenty of time to devote to his beautiful flower gardens. At present he is hybridizing daylilies and raising over 100 varieties of Iris.

Bill was born in Toronto 65 years ago. His first job was market gardening in Cooksville before returning to Toronto and apprenticing as a bricklayer. When the depression set in, Bill returned to market gardening in Norval near Brampton.

While playing hockey, he was injured and a Norval girl, Rees Hunter, consoled his wounded ego. They were married in 1927 in Toronto and have four children.

In 1941, Bill started in the anode department. Later he became a furnaceman on the calciners and did practically all the jobs in the sinter building. When this department was curtailed in 1950, Bill moved to the shearing department.



A member of the yard department at the Port Colborne nickel refinery, Syd Turvey has 35 years' service, the last 31 of which were spent as a truck driver visiting every corner of the plant.

Syd was born in England in 1910 but came to Canada with his family in 1922, settling in Montreal. In 1930, he started sailing the Great Lakes as a wheelsman on the canal boats before joining Inco in 1937 in the anode department.

Jean Pringle of Port Colborne became his bride in 1936. They have one son and two grandsons.

Next year, the couple plan a trip to England to visit relatives and see the British Isles.

Jack Campbell, who was born in Woodstock, joined Inco in 1935 at Creighton mine. After 12 years at Creighton he broke his service for less than a year and returned to the electrical department at Copper Cliff. Jack has been at the Clarabelle open pit and finally the copper refinery, where he retired as a second class maintenance electrician.

Jack's first wife, whose maiden name was Grace McLeod, died in 1964. He has three sons and six grandchildren. Jack and Mrs. Mabel Thompson were married at Sudbury in 1967. Many local women will remember the new Mrs. Campbell as owner and millinery designer of the Regency Hat Shop.

Two trips are on the planning books for the Campbells; they will travel south to Florida after Christmas and leave for western Canada next spring.

Blacksmiths are usually big, rugged individuals and Francis O'Connor, known as "Tiny", is no exception. During the '30s he was a blacksmith in the farming district of Dunray, Manitoba. His knowledge of blacksmithing enabled him to join Inco in 1942 at Creighton No. 3 shaft. Tiny later transferred underground where he did an assortment of jobs, the most recent being a shute blaster at Creighton's No. 6 shaft.

While in Dunray he married Claudine Morissette and they have a family of seven children and 10 grandchildren. Their son, Doug, is a driller at Coleman mine and daughter, Kathleen, is married to Claude St. Jean, a driller at Frood mine.

Svonti Finnila's service record of 46 years is one that not many will surpass. He started at the welding shop in Copper Cliff at 16 earning 44¢ an hour. On retirement he was a welder in that same shop.

Svonti is a native of Copper Cliff and he married Mrs. Ida Kalliainen in 1950 at Sudbury. Their one son and 11 grandchildren live next door to them on Highway 69 South.

The Finnilas derive great enjoyment from their cottage on Key Harbour, but they also expect to do some travelling across Canada in the next few years.



Stan Kippen will be dividing his time between the cottage on Lake Wahnapiet and his carpentry shop at home in Sudbury.

Most of Stan's 35 years with Inco were spent at Frood mine as a shift boss and a school stope instructor, while the last two years were spent at Stobie as a construction leader.

His first wife, the former Alice Gordon, died in 1968 and he later married Mrs. Isobel Burns. They have a total of 11 children and 16 grandchildren. Three of Mrs. Kippen's sons are presently employed with the company. They are: Austin Burns, a mechanic at Stobie No. 7 shaft; Alex, of the accounting department at Copper Cliff; and Bob, an electrician at Stobie mine.

Probably the most familiar face in the Port Colborne nickel refinery has disappeared with the retirement of Bob Morrison.

Born in Parry Sound in 1911, Bob headed south and started a promising hockey career with Toronto Marlborough Juniors. During a recruiting drive in 1933, the Port Colborne Sailors persuaded Bob to transfer to Port for the hockey season. Bob was a spectacular skater and played many memorable games as a defenceman before he retired in 1939. As part of his recruitment, a job was promised with a local industry and Bob joined Inco in 1933 on the box floor of the electrolytic refinery. He transferred to the storehouse and was appointed assistant timekeeper to Frank "Doc" Chalmers in 1941. When "Doc" retired in 1944, Bob succeeded him.

Mary Andrews, a Port Colborne girl, became his bride in 1936. They have a cottage on Georgian Bay where they plan to spend a lot of time.

Thirty-seven years of hearing the same ring from the cagetender to the 1800 level became a daily routine for Art Lalonde during his years with Inco. This was the level that he reported to at both Frood and Stobie mines, with the exception of a few weeks while on vacation relief. Since 1958 Art has been a trolley motorman at Stobie mine.

Zita Lalonde of Sudbury married Art in 1938 and their three sons and four daughters have presented them with 14 grandchildren.

Remodelling his home and spending time at the cottage on the Rapid River are keeping Art busy.

From early spring until snow falls, Fred Donley plans on spending every available moment at his cottage on Georgian Bay near Britt. Not only is this where he can hunt and fish, but it is also the meeting place for his three children and four grandchildren.

During Fred's pre-Inco days, he sailed the Great Lakes as a fireman and during the War was employed at Nobel. In 1947 he was hired to work at the copper refinery and was a dust control man there.

Fred married the former Florence Lamondin in her hometown of Britt in 1939.

RETIREMENTS

FAMILY ALBUM



Allan and Sharon Wuorinen both enjoy raising tropical fish, and so do the children. They are: Sandy, 5, Michael, 4, and one year old Beth who would love to climb right into the aquarium. Allan joined Inco in 1960 and is a pattern maker in the company. Besides many intricate woodwork projects for the carpentry shop, he also built some of the furniture at home, including a beautiful cabinet for their stereo and television. The Wuorinens have lived in Copper Cliff for the last six years.



Stope leader Joe Mason has worked at Levack mine since 1946. Both Joe and his wife, Marion, are very active in the community; he is involved with Camp Manitou and the Voyageur trips, while she has taught at Parkridge School for 11 years. Their family is Geoffrey, 19, Frank, and Dorothy, 17. Joe has always been fond of the outdoors and when his children were old enough he taught them how to paddle a canoe, and this is still a pastime which they all enjoy.



Richard Beauchamp has been a diamond driller at several mines in the area during the eight years he has been with the company. He is now a drill foreman at the Creighton complex. Richard, who is quite a handyman, shows off his wife Judy, and daughters Shelley, 6, and Michelle, 2, around the bar which he made for their new home in Azilda. Judy's father is Tom Signorelli, a linesman with the electrical department at Copper Cliff.

Music is important in the home of Harry and Lorena Saxton in Port Colborne. Harry is active in local music organizations and encourages Wendy, 11, and Tom, 9, to study piano and singing in the church choir where Dad is also a member. Harry joined Inco in 1950 and held various positions in the nickel refinery before joining the process technology department in 1969 -- assistant superintendent.



IS YOUR FACE MISSING HERE?

	ONTARIO DIVISION
	EMPLOYEE IDENTIFICATION
	SIGNATURE
	SERIAL NO.
THE INTERNATIONAL NICKEL COMPANY OF CANADA, LIMITED	

Midnight November 30th is the last time you can use your old metal badge. If you still have one then, plant security guards will give you one week to exchange your badge for a new picture pass. Letters are being sent to local stores, banks, and the Chamber of Commerce advising them that all Inco employees now carry a personal picture identification with a sample of their signature. All plant areas have now been canvassed to give hourly-rate employees an opportunity to obtain a photo pass, but if for some reason you still don't have one, you can apply to the employment office in the Sudbury Inco Club. It is open Monday to Friday from 8 a.m. to 5 p.m. including noon hours, and until 7 p.m. the first Tuesday of every month.