

Green Thumb Experts



the triangle

Editor, Derek Wing

Associate Editor, Bert Meredith

Assistant Editor, Dave Barr

Port Colborne, Les Lewis



On the cover . . .

The two gents with the veg and the flowers have every right to look so darned pleased with themselves — they're green thumb champs. Both acclaimed by the Sudbury Horticultural Society at their recent show, Leopold Ducharme (left) emerged as top points man for vegetables, and Joe Piccinin romped home with five firsts for his blooms. Both agreed — despite the weather, it was a great year for gardeners.

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Shebandowan shows off



Minnesota Governor Wendell Anderson (centre) visited International Nickel's Shebandowan complex early in September. On their way to a briefing session prior to touring the complex are Governor Anderson, Inco vice-president Frank Zurbrigg (left) and Shebandowan manager George Johnston. Walking in the second row is Eugene Gere, director of the Division of Water, Soil and Minerals in Minnesota's Department of Natural Resources. Also in the Minnesota party visiting Shebandowan was Congressman John Blotnik.

Appointments

Ken Kay, superintendent, training and development;

Wilf Digby, superintendent, employee benefits and employment;

Frank Sorochinsky, superintendent, salary administration and organizational planning;

John Rickaby, superintendent of safety, central services;

Harvey Judges, superintendent of safety, mining and milling;

Leo Pevato, superintendent of safety, smelting and refining;

Tom Newburn, assistant division comptroller, payrolls and general accounting;

Mike Hodgkinson, assistant division comptroller, budgets and cost control;

Dick Beaver, assistant division comptroller, product costing, capital expenditures and taxes.

LETTERS

118 Eyre Street
Sudbury, Ontario

Dear Sir:

Your article "La Golondrina" in the September issue of "The Triangle" missed the most significant value of the tailings reclamation area.

The variety of breeding birds is not on par with similar open country habitats in the Sudbury neighborhood. The only distinction amongst breeding species centres on the above average numbers of American Kestrels. The nesting holes you show in the photograph are of Bank Swallows, not Cliffs.

Although no ornithological inventory has been taken prior to this year, recent results indicate that the tailings area does have considerable appeal for waterfowl and shorebirds. Some twenty-one species of the latter family have been recorded, a significant proportion of the twenty-nine species recorded in the Sudbury district over the past five years.

The merits of the tailings area rest with its capacity to act as a staging post for arctic migrants, as a site for breeding species its interest is minimal.

Sincerely,
John Nicholson

(Regional editor of "American Bird", an Audubon Society magazine, John is a maintenance mechanic at the iron ore plant.)



Winner of the Inco rose bowl, Mrs. Meeri Kivikangas and her first place garden. Together with help from husband Veikko and youngsters Anne and Glenn, she says love and punishment makes the flowers grow — give the slow ones a backhand.



Mrs. Connie Watson, second place winner. Husband George is a buyer with the purchasing department.

*G.T.E. finals

No-one who attended the Sudbury Horticultural Society's 62nd consecutive annual Show at the Sudbury Arena knew for sure if the local weatherman was there or not. If he wasn't, he couldn't be blamed for not showing up. Imagine the poor fellow trying to explain away the unseasonal and adverse weather conditions that he dished out to area gardeners.

The early season cold snap had annual plantings shivering and refusing to grow. Heavy downpours flattened them, and high winds had 'em hanging on by their skinny roots. Finally came heat and humidity in extreme which had the poor things shooting into bloom all at once and then flopping over from sheer exhaustion.

However, despite all the hazards, the gardeners came through again and the show was a colourful event and proved that we in the north can produce first class blooms and large healthy vegetables.

A rose bowl and cash prizes totalling more than \$250 and a grant of \$100 were

donated to the Society's annual garden competition by International Nickel.

This new Horticultural Society event replaces the Inco-sponsored garden competitions of years previous to the amalgamation of district municipalities.

The rose bowl was awarded on the basis of the best home surroundings with consideration being given to general appeal, lawn quality and weed control, quantity and quality of flowers and shrubs, and neatness.

Open for free competition to gardeners living within a 15-mile radius of Sudbury and in Levack, the rose bowl and \$20 was awarded to Mrs. Meeri Kivikangas of 1262 Wedgewood Drive in Sudbury. Second place and \$15 went to Mrs. Connie Watson at 1 Cobalt Street in Copper Cliff, and third place and \$10 was won by Mrs. Jean Bulfon of 561 Willard Drive in Sudbury. Seven other awards were made. There were 28 gardens entered.

Pictures of the top three prizewinning gardens are featured on this page. See the following two pages for a peek at winners of some of the Society's other events and three other gardeners.



Third place winner Mrs. Jean Bulfon with her mother and son Eddy.



Rose bowl competition judge, Inco agriculture foreman Alex Gray eyes Connie Watson's flower beds.

* Green Thumb Experts.

More about G. T. E.

Visiting the Inco display at the Horticultural Society's show are (kneeling) company pensioner and show judge Ted Fosten, and North Mine construction leader Melvin Peterson with his wife Clara.



Copper Cliff project engineer Albert Rebellato was elated when his daughter Nancy won first prize for her flower arrangement.



Chris Skrumeda (right), daughter of Creighton switchman Alex, was the show's junior girl gardener with the most points. She and Debbie Benson are hefting some handsome turnips.



A newcomer to the Society, transportation department conductor Joe Piccinin walked off with no less than five firsts, two seconds and three third place awards. Wife Norma holds some of the glads that won part of his booty.



Standing behind the rose bowl that he won for accumulating most show points in the vegetable class is Leopold Ducharme. He won the cup for the best vegetable plot. Admiring the produce are (left) son Gerrard, a Creighton switchman, and his wife Phyllis, and son Gaetan.



They grow 'em big and beautiful in Port Colborne also. Dwarfed by her sunflowers is Margaret Benner, secretary to the nickel refinery's engineering and electrical departments. The garden is a joint venture between Marg and her sister Jane.



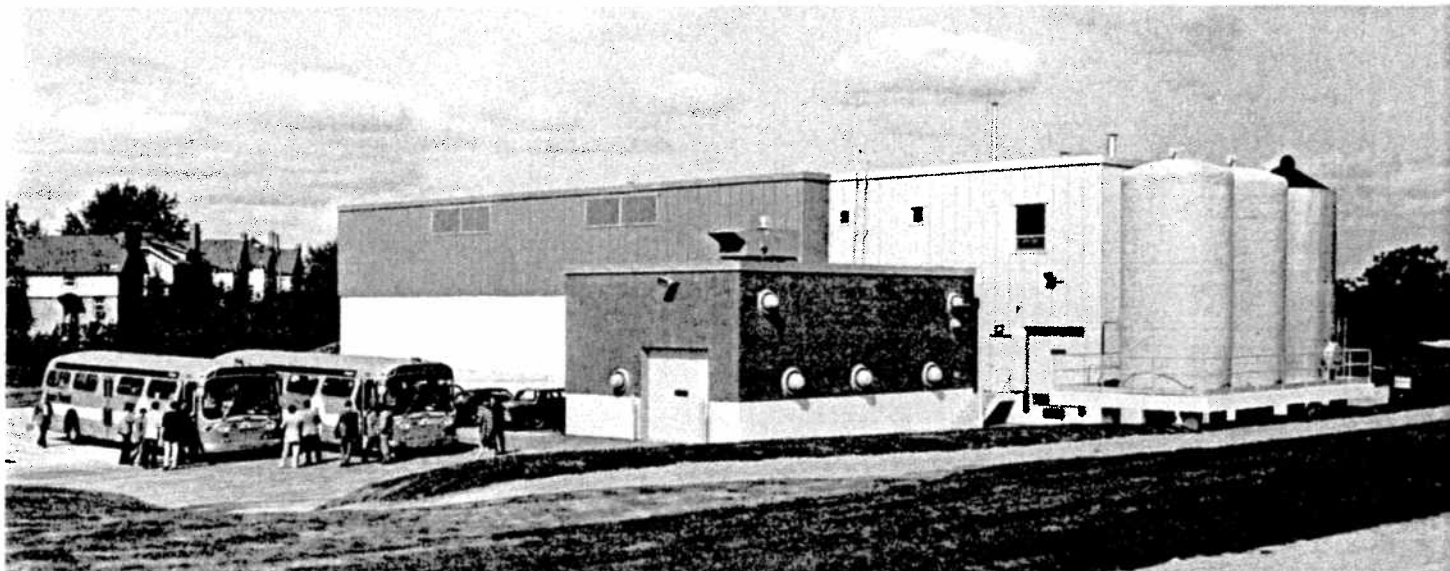
Copper Cliff plateworker Charlie Ratuse grew these two-pound potatoes and the four-pound beetroot in his Hanmer garden.

In the shadow of the Copper Cliff smelter superstack, Brenda Lizzi and her husband Bruno have a mighty mite of a garden of about 250 square feet that produces carrots, four kinds of lettuce, tomatoes, green and spanish onions, parsley, swiss chard, celery, marrows, and cucumbers by the bushel.



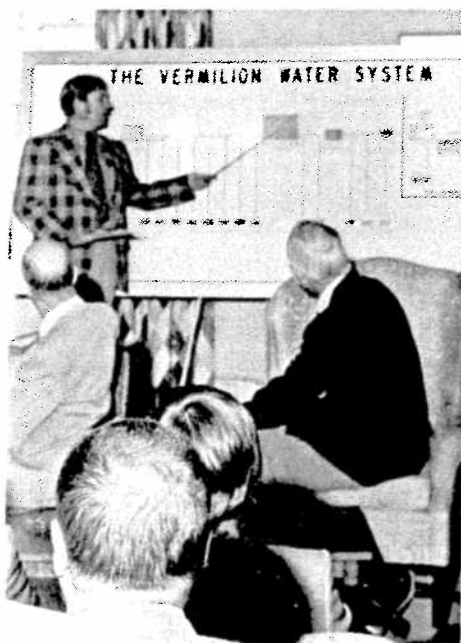
The Lizzi's have grown vegetable marrows before but never one like this five-foot giant! A Copper Cliff mill maintenance mechanic, Bruno lets his marrows and cucumbers grow vine style creating a cool and shady arbour. Bruno and Brenda explained to their youngsters, Luisa, 8, and Carlo, 6, that the bulge at the bottom of the marrow was the growing seed pod. They plan to dry the seeds for next year's planting.





The brand spanking new 22-million gallons-per-day Vermilion water treatment plant at Creighton.

On stream



Inco utilities engineer Don Campbell briefed close to 70 invited guests at the Copper Cliff Club prior to a bus ride to the plant for a guided tour.

The Vermilion River water treatment plant, in the town of Walden, was officially opened by Don Collins, chairman of the Regional Municipality of Sudbury, on Thursday, September 13.

The 22 million gallons-per-day plant is part of International Nickel's multi-million dollar program for treatment, distribution and storage of water for the communities of Creighton, Lively, Murray and Copper Cliff, and the company's mines and surface plants in these areas.

The opening marks a departure from the usual course of construction and ownership.

Built on a "turn-key" basis by Rust Associates Ltd., of Montreal, the \$2 million plant became International Nickel's property in June, 1973. "Turn-key" design and construction allows a customer to purchase a "package" and



During the briefing—intrigued trio are Sudbury mayor Joe Fabbro, councillor and Inco administrative assistant Dick Dow, and Inco's grounds supervisor Don Young



Don Collins, chairman of the Regional Municipality of Sudbury, opened a valve to officially open the plant. On his left are mayor Joe Fabbro and Inco vice-president, engineering and maintenance, Roy Aitken.



Rolling some of the treated water around their taste buds are Jack Neil, Inco's super-intendent of municipal and field engineering and Walden mayor Tommy Davies.



Plant operator Steve Mydonyk explains a chlorine residue test to councillor Tom Zaitz.



On the tour were Ellis Dreyer, ministry of natural resources, and Colin Caswell, of the Nickel District Conservation Authority. Their guide—utilities engineer Jim Wharton.

take over operations only after construction and testing is completed.

Rust's winning bid included a proprietary design for treatment equipment owned by Degremont Canada Ltd., a subsidiary of a French company that provides treatment systems used widely in Europe.

Water is pumped from the river, about six miles west of Creighton, to the plant through twin 24" water lines and, after preliminary treatment, enters a pulsator clarifier. This clarifier, identical to units now serving the city of Paris, France, is unique in that it has no moving parts. Clarification is accomplished by raising and lowering the sludge blanket with a vacuum pump.

In the final operation at the plant, treated water is again chlorinated and stabilized, a post-treatment recommended by the Ministry of the Environment, but included in very few plants in Ontario. "Treated water may be clean as it leaves the plant," explains Charlie Ferguson, superintendent of environmental control, "but it sometimes attacks the pipes through which it travels and contaminates itself. Water from our plant will not do this."

Also present at the opening were local and provincial government officials, Roy Aitken, vice-president of engineering, and Bob Saddington, director of environmental control.



Inco design engineer Bill Steciuk discusses the plant's tour 5,000-gallons-per-minute output pumps with Cliff Wells of Rust Associates Ltd., councillor Jack Dekin, Ray Condie and Ray Bouclin.



Put
YOUR
hands in the
picture

EIGHTEEN SHARE \$555

We are able to report only the award winners from the iron ore recovery plant and the copper refinery in this issue since the shutdown period interfered somewhat with the normal routine involved in approving suggestions. So miners and smeltermen, keep the faith, you are not forgotten or ignored, your money making ideas will be dutifully reported in our next issue.

At the iron ore plant **Reg Park** picked up \$100 for suggesting the intermediate flash tank overflow into the nickel thickener; **Siro Alberton** received \$95 for his idea of a screen pot on the main ammonia spill sump line, and \$50 went to **Stan Savarie** for proposing improved pump motor protection and housekeeping for kettle acid washers. Other awards at that location went to **Gord Camilucci**, \$20 for suggesting improved access to No. 3 switchroom roof, \$20 to **Pat Davis** for his idea of safety shields at the copper dryers and \$15 went to **Claude Lanteigne** for pointing out an improved access to nickel thickener intake valve and the same amount to **Marcel Servais** who

noted that a safety shield should be used when testing pellets, and to **Ed Hastings** and **Alban Reid** for their idea of a change in No. 5 clean up pump. **Alphonse Pilon** was awarded \$10 for his design to widen the platform under No. 4 balling disc.

Over at the copper refinery **Peter Kroblach** pocketed \$70 for proposing stainless steel be used for all tankhouse basement syphon lines. Receiving \$25 each for their suggestions were **Antonio Fragomeni**, covers for anode casting aisle crane cab entrances and **Nick Beynen**, floating switch for cathode scales. In the \$20 range were four other award winners: **James Carr**, weld metal bars to Shaw crane bunks; **Archie Pilon**, steel hinges for evaporator lead breaker plugs; **Hubert Racine**, portable guards for lathes and milling machines; and **Bill Lukey**, safer servicing of square D's in shops area. For suggesting the eye wash fountain be relocated **Nick Van de Kraat** picked \$15.

Again our congratulations to these award winners for their practical application of changes and ideas.



Copper Cliff smelter carpenter Morley Doherty his wife Joan and their large family live in the quiet countryside near the Black Lake Road. Large families are nothing new to Joan and Morley, she is from a family of five, and he from one of nine. Their youngsters are (front) Kelly, 2, Jimmy, 10, and Lynne, 12. (Rear) Dawn, 15, Chris, 16, and Cathy, 13.

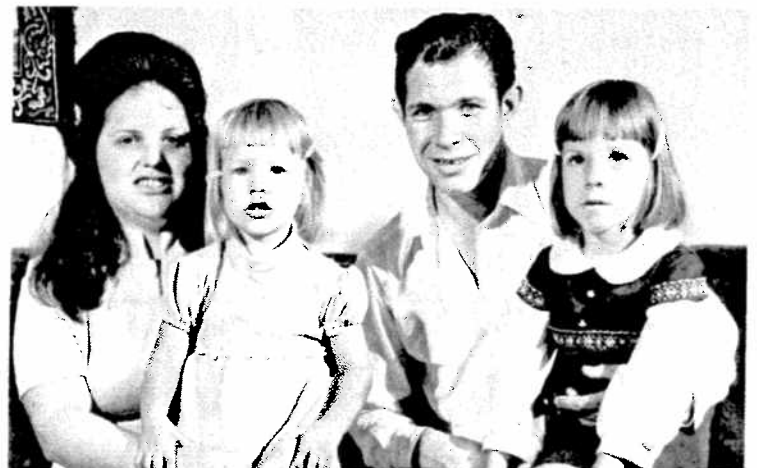
Recently returned from a trip to Italy, Clelia Bassani reports that one of the highlights of the visit was a moonlight gondola ride in Venice with her husband Joe. Better known as "Cisco" he's a furnace helper in the Port Colborne nickel refinery's anode department. The three young Bassanis are John, 4, Carla, 12, and Peter, 9.



Proud father in this family group is Wendell Tait, a maintenance electrician at the Copper Cliff North mine. He and his wife Anne are both native Sudburians, she is the daughter of Creighton shaft inspector Wally Cole. Both their youngsters, Lori, 9, and Cory, 4, enjoy the summer-long camping trips that are a favorite activity of their parents.

Family Album

John Gillard, a switchman at Frood, left his home town of Roddickton on the rocky shore of northern Newfoundland to come west some seven years ago. A Sudbury lass, his wife Angeline has visited there, she enjoyed her stay, but admits that the calm waters of Sudbury's Moonlight Beach beat the ocean hands down. Their young tads are Margarite, 4, and Debbie, 5.





Trio of Egyptian slave girl, Pharaoh, and Caesar.



That well known bareback rider, Lady Godiva.



Leaning at the appropriate angle, the leaning tower of Pisa.



Kim Decheno with Indian doll, the first one that the Dechenos carved and dressed.

HELLO

Carver Ernie Decheno.



Proprietors of the Larchwood Doll Museum, Ernie and Mary Decheno are two very ambitious people, and they've got enough dreams and schemes up their sleeves to keep themselves busy for a long, long time.

A level boss on 2650 at Levack mine before his retirement a year and a half ago, Ernie doesn't believe in thumb twiddling, and he's created a fascinating local attraction to prove it.

Located on 76 acres of gently rolling and wooded countryside on the old Larchwood Road near Dowling, the 1250 square foot museum houses a display of some 100 dolls hand crafted by Ernie and Mary.

Ranging in size from a 12-inch Napoleon to a 24-inch Matt Dillon (of "Gunsmoke" fame), the carved and robed dolls represent an era stretching from the times of prehistoric man to the present.

Taller than some of the excited kiddies who visit the museum, rag dolls standing four feet high are regular eye-openers.

Ojibway Indians with their home town roots in North Bay, Ernie and Mary both have their full share of native creative talent — Mary with the needle, and Ernie with the carving knife, the hammer and the saw.

The museum's beginning was almost accidental. "We had so many dolls that we couldn't keep them in the house, so



In the saddle and regally robed — Queen Elizabeth 1st with page.

DOLLY!

we set them up on the porch," explained Ernie, "word got around somehow, and pretty soon complete strangers were dropping in to see the display."

Two years ago, the porch became too crowded with the latest productions, so in true pioneer fashion Ernie took his axe and saw to his wood lot, felled some sixty pines about 24 inches across the butt, carted them off to the local saw mill, returned with the dressed lumber and constructed the museum building.

That done, phase two of the project, three acres of "Miniature Land" was started. "It's going to take time," said Mary, "but we're going to reproduce small scale models of the "Seven



One of the seven wonders of the world, the Sphinx and the Pyramids.



The dolls range from ancient to modern. These cave dwellers represent our distant forefathers.

Wonders of the World", in a park-like setting." Several are already completed.

Phase three, already in the planning stage, will centre on a four-acre lake on the property where Ernie and Mary envision an "Enchanted Forest" where kiddies could boat and fish in a Disneyland setting. A silversand beach on the Vermilion River is slated for a picnic and bathing area.

Organized public school visits and Sunday visitors have kept the Dechenos busy this summer. At 25¢ a head, a visit is inexpensive, educational, fun, and well worth the drive out to Dowling. Turn left at the wild fowl sanctuary sign on Highway 144 just one mile north of Dowling and follow the signs.

Needlewoman Mary Decheno.





"Good morning, International Nickel, Copper Cliff nickel refinery," answers receptionist Diane Howard.



Safety department stenographer Janice MacNeil records the details of her telephone conversation.

Things **Not** To Say When Answering The Telephone For Your Boss:

"I don't know where he is. I haven't seen him for a while."

"He's out. I don't know when he'll be back."

"Oh, he always comes back from lunch late."

* * *

Things **To** Say When Answering The Telephone For Your Boss:

"Mr. Smith will be out of the office for about 30 minutes. May I take a message?"

"Mr. Smith will be out of town until Monday. This is his secretary. May I help you?"

Hello hows

When someone walks into a business office, he's greeted with a smile and a friendly hello. But that smile and ready-to-help attitude are much harder to convey over the telephone.

Whenever you answer the telephone, or make a call, it's good to remember that YOU become The International Nickel Company of Canada, Limited.

If you would like to give the same good impression on the phone that you do in person, these hints will help you.

Promptly answering your phone indicates to the caller that you're eager to help him. Identify yourself when you answer your phone. This encourages the caller to identify himself and establishes a warm, friendly tone.

If you must leave the telephone before the call is complete, tell the caller why and ask if he'd like to hold or call back. It's much better to ask, "Would you like to hold while I check that information?" than to say, "Hang on a minute" and leave the caller wondering where you've gone and why. If your phone is equipped with a hold button, use it. Office conversations and noise can be heard regardless of how you try to muffle the phone. If you don't have a hold button, carefully place the phone down on your desk. When you come back to your caller, thank him for waiting.

If you answer someone else's telephone, avoid the abrupt, "Who's calling?" This question sometimes prompts equally rude answers and makes the caller feel as though he's being screened. If he doesn't identify himself, you might ask, "May I tell him who called, please?" and then be prepared to take a message.

A pad and pencil should always be within easy reach. Ideally, a telephone message should give the name of the person called, the caller's name and firm, the date and time, message, action to be taken and your name.

If your boss should tell you that he wants to be available only to certain individuals, you can use a phrase such

as, "He's not in at the moment, may I tell him who called?" If the caller is someone with whom your boss wishes to speak, you can then add, "Here he is now" or "I'll see if I can reach him for you" without embarrassment.

A good boss will tell his secretary where he is going when he leaves the office and approximately when he will return. With this information before her, a secretary can give a caller definite answers.

When the call is completed say "Goodbye" pleasantly and let your caller know that you were glad to help, sorry you were unable to help or thank him for helping you, then let him hang up first.

Remember — what comes out of a telephone depends on what you put into it. Have a voice that always smiles!



Elaine Blanchard handles all the incoming calls on the general engineering switchboard.



Lietta Quaiattini takes a call for her boss, Levack manager Milt Jowsey.

POETS' CORNER



In lonely mood — Chris Severin.

A BEACH IN OCTOBER

By
Chris Severin

*It looks different without people,
Bare, bleak and cold.
It feels different without people,
Damp, clammy, lonely.
It sounds different without people,
No laughs, no shouts, no gossip.
The only sounds are the waves,
Breaking and dying upon the shore,
And the wind, screaming to get out,
From the clutch of the trees.
The beach in October, lonely and bare,
Waiting the return of the people.*

From the pen of 16-year-old Chris Severin, a grade 11 student at Sheridan Technical School, "A Beach in October" is very appropriate about now, drawing a true and vivid mental picture of deserted summer playgrounds. His poem appeared in Northern Lights, a collection of the best poetry from our young people throughout the mid-north, published by the Northern Ontario Council of Teachers of English.

The second son of Joan and Charlie Severin, auto mechanics teacher at Lively District Secondary School, Chris sees his future with computers, and his current studies are primarily business administration.

A quiet and gentle lad, Chris spends much of the winter on the local ski hills, enjoys playing the family organ, and often invades his mother's kitchen in the role of cook — baking a chocolate cake is his speciality.

Inco pledge



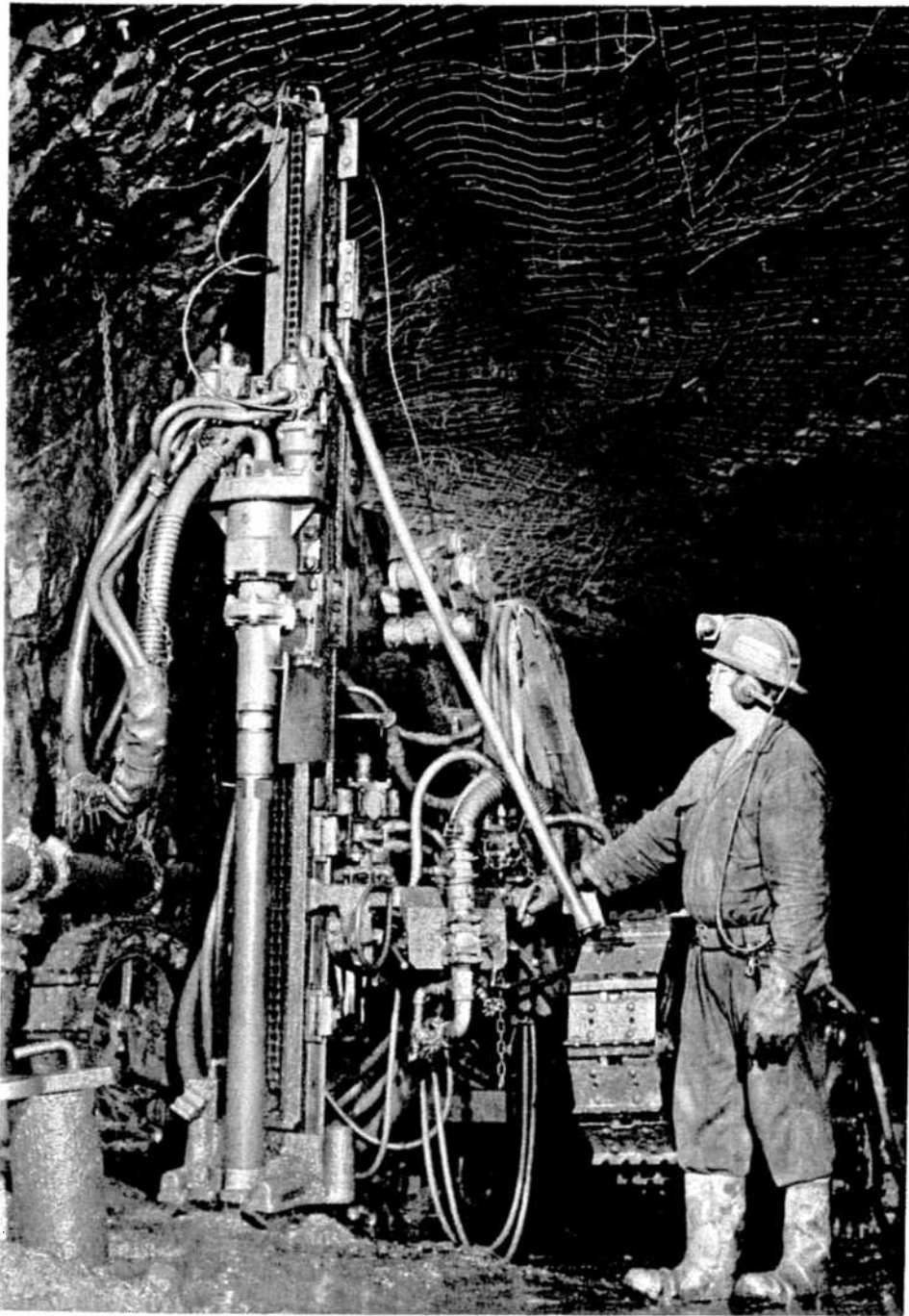
Dick Dow, administrative assistant at International Nickel, presented the first installment to "Red" Pianosi, chairman of finance, recently. Also present were Ray Poratto, chairman of the board of the Home, and its founder, Father Brian McKee.

The International Nickel Company of Canada, Limited will donate \$14,500 to the Sudbury and District Boys' Home over the next three years.

At the presentation ceremony Dick Dow said. "Not only is the Home a very much needed facility for the young boys of this area, but the determination and drive of the people involved in this facility is highly commendable."

"The money will be used in constructing the Home's new building on Second Avenue and Bancroft Drive," "Red" Pianosi said.

DOWN-THE-HOLE DRILL — KEY



This is the "COP 6" drill in action in 122 blasthole stope on 2000 level at Copper Cliff North mine.

Square set, underhand, cut-and-fill, shrinkage, block caving, blasthole, post pillar; what are they? Fairly familiar mining terms to miners but probably not to most other people. Actually, these are the names of some of the underground mining methods that have evolved over the years and used at Inco mines.

Many of these methods are still used to produce the ore we mine daily, but what looks like a real winner is a brand new application for down-the-hole drilling. This new and exciting development consists of drilling six inch diameter holes in a manner that permits the application of a form of open pit bench blasting to underground blasthole stoping, and in mining circles that is a real breakthrough.

The title, down-the-hole, is very apt and descriptive since the drill is actually down in the hole, a different concept than conventional longhole drilling. Currently this new technique is being used to mine 122 blasthole stope at Copper Cliff North mine.

In this form of mining a crawler type drill rig is set up on the top level of the stope to be mined, and six inch diameter holes are drilled straight through to the next level, 200 feet below.

The drill itself is contained in an ordinary looking cylinder some four feet long and just over six inches in diameter. It acts as the first section of drill rod but inside the cylinder is the impact mechanism, or drill, which actually operates at the bottom of the hole as

TO NEW MINING METHOD

opposed to hammering from the top as with conventional drilling.

A tungsten carbide bit which slowly rotates at about 15 to 30 rpm, is attached to this section and it does the cutting as the drill hammers and slowly rotates. As the hole deepens additional sections of drill rod or tube are added. These are of a slightly smaller diameter than the leading section which permits cuttings to surface easily.

The disposal of cuttings is accomplished by introducing water and using the operating air of the impact mechanism to function as flushing air. This air is vented through the bit.

The advantages of this technique over conventional blasthole mining are many.

Standard blasthole mining requires the drilling of a large number of two inch diameter holes of varying lengths, in the form of successive rings or fans, spaced at five foot intervals and drilled from several levels throughout the stope's 200 foot depth. (more)

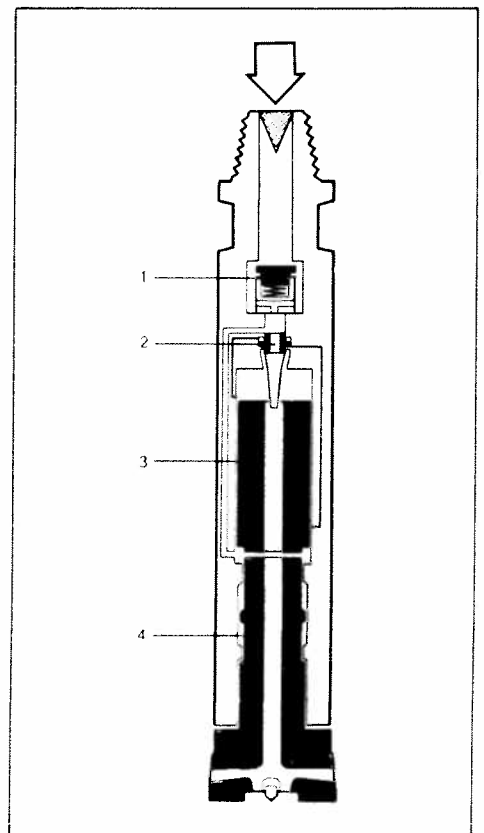


Mine foreman Al Maskell examines the tungsten carbide buttons on one of the bits used in down-the-hole drilling. The bits are pictured here on top of extra sections of drill rod or tube.



Driller Jack Wallgren checks the button bit on his "COP 6" down-the-hole drill. That four-foot section of drill rod or tube, up to the first joint, contains the impact mechanism or drill that is always down the hole, the secret to this form of drilling.

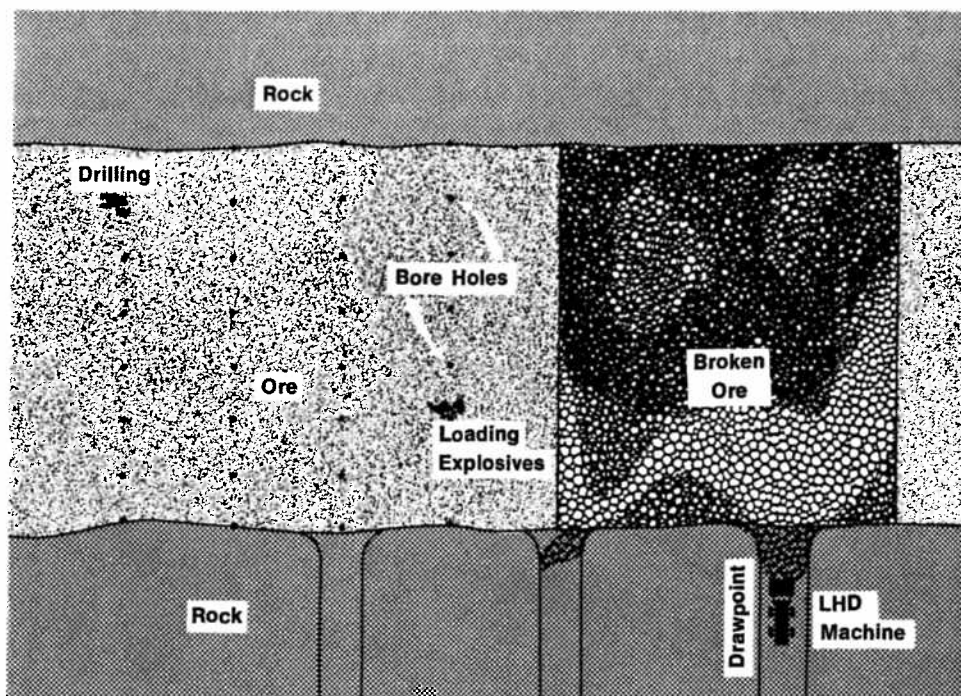
A cutaway diagram of the impact mechanism of the down-the-hole drill. Operating air enters through the check valve (1) and is guided by a tubular valve (2) to the piston's upper and lower side (3). The exhaust air flows out through the bit (4) and flushes the hole.



Blasthole bench blasting.

Simplified sketches

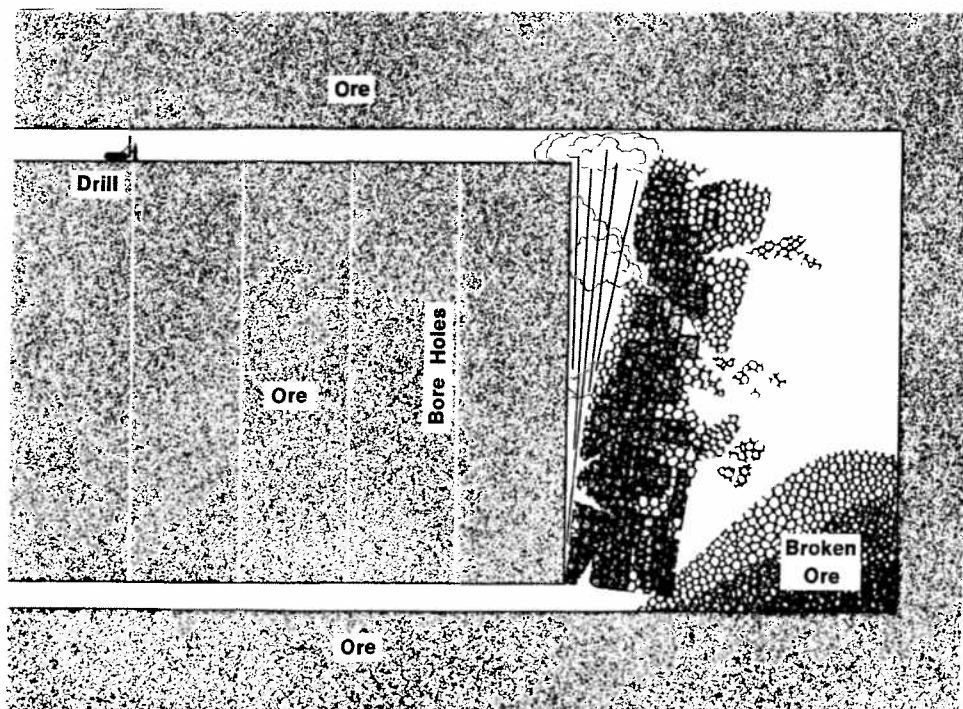
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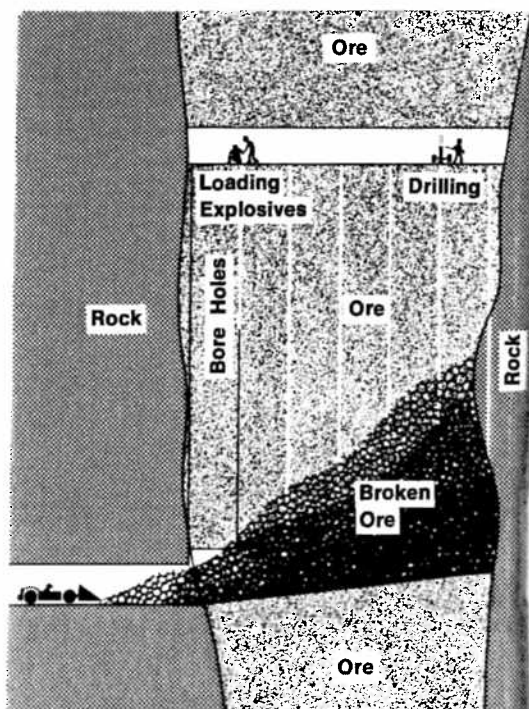
View from above after the blast — drilling and loading holes, and hauling away broken ore with load-haul-dump machines.

With down-the-hole drilling, six inch diameter holes are drilled from one level to the next and are spaced at 12 to 13 foot intervals which means relatively few holes. In comparison with conventional blast hole mining, this method is very simple and efficient.

Conventional blasthole mining, (there are variations) requires considerable development preparation such as driving sub-levels and ramps, drilling cross-cuts; the setting up of several longhole drills at different levels; the need to drill off a complete slice before blasting any ore; the long, tedious task of cleaning the many holes; the loading and wiring for the blast; all of which adds up to many months and sometimes a year or more before ore is blasted.



Side view — everybody's departed — the blast is triggered — and down comes a 10,800 ton slice of ore 45 feet wide by 15 feet thick by 160 feet high. The newly applied blasting method shatters the ore more efficiently reducing the need for secondary blasting.



End view — drilling and loading holes and "mucking". The LHD machines at no time enter the open blasthole.



Most down-the-hole drill holes break through to the level below, so before loading the hole is plugged at the bottom. Driller Jules Beaudoine is lowering the wooden plug that will be secured by the attached rope.



The trigger explosion that sets off the charge of "Amex" that will fill the drill hole, comes from this primer. Feeding out the primer cord is blasthole drill boss Harvey Kallio.



The blasting agent "Amex" is poured into the hole. When the required amount of "Amex" has been loaded a blasting cap is spliced to the prima-cord, then a final packing of sand tamps it all in place.

Down-the-hole drilling changes all that dramatically. Drill site preparation is reduced, (no cross-cuts, sub-levels or ramps to drive), service and supply handling is greatly reduced; the underground environment with respect to noise, water and dust is greatly improved; the cleaning of holes is virtually eliminated while loading efficiency and economy is improved; fragmentation is better which reduces secondary blasting and provides a more efficient operation for load-haul-dump machines. In addition, a bench or part of a bench can be blasted more readily than with conventional drilling and this produces "muck" on a more flexible basis.

The key to many current methods of mining has been new and better equipment. In recent years manufacturers have been producing a steady flow

of sophisticated powered machines which has helped make possible the improved types of ore extraction in use today.

Last year, after a little prodding from Inco's mines department, equipment manufacturers came up with the "COP 6" down-the-hole drill and in the period March to July of this year this machine has satisfactorily drilled some 7,500 feet.

Over the past decade several experiments in drilling large diameter holes in blasthole stopes were made but did not prove economical. This new form of drilling appears to be the answer however, and is well received by miner and manager alike.

Inco's mines engineering department is currently reviewing production plans with the view to maximum utilization of this new drilling technique.

After clearing everyone from underground, the blast is fired from the switchroom on surface. Martin Kainola, a 1st class electrician, is ready to press the button that will set loose the electrical impulse to detonate the blast.





The Bagman of the Men of Sweyn's Ey

She's
the
boss

Bagman of the Men of Sweyn's Ey. A beautiful title, isn't it, and unmistakably Welsh. We are indebted to the Inco Reporter, our contemporary in The United Kingdom, for this story of our friends in Olydach. And if the word Bagman conjures up visions of sinister villains and thieves, do read on and discover for yourself just what is a Bagman's "bag."



Key punch supervisor Ann Halovanic and operator Marilyn Guenette.



The pose is the same, but the activity is quite different! Dr. Keith Lascelles, an investigator in the Process Research Division at Clydach, illustrates the ergonomic approach to Research and Morris Dancing in the photographs above.

In the past ten years Keith Lascelles has travelled widely with Morris dance groups. He has taken part in numerous Folk Festivals throughout the country, including one at the Royal Albert Hall, and has toured Sweden. On one occasion he danced for the Red Army Ensemble at a concert in Manchester.

Keith is now the "bagman" of the Men of Sweyn's Ey, a local "side" formed about five years ago, and one of the 160 or so sides in Britain. Each has its own characteristic costume, with the Swansea side incorporating a Viking helmet motif signifying the Scandinavian derivation of

the name "Swansea". The group is becoming increasingly well-known, and there is a constant stream of requests for performances. Their repertoire, in addition to Morris dances, includes 'Rapper', an exciting and dangerous-looking north country short sword dance.

Although they do not normally take part in competitive dancing, the Men of Sweyn's Ey have twice entered Eisteddfodau, and were placed first and second. Keith himself won the first prize for solo performance in one of these.

A bagman — in case you're wondering — is the Morris term for a secretary.

It's the uniqueness of her position that makes life interesting for Ann Halovanic, supervisor of key punching in Copper Cliff.

Ann is one of the few women in Canada to rise to supervisory posts in data processing; once she went to a seminar for women supervisors and found the chairperson was a man.

Ann heads a section of 28 women, whose average age is 23, who use NCR tape encoders and IBM keypunch encoders to record data for computers to process. They handle about 150 systems, ranging from payroll to supplies.

She started with International Nickel in 1957, became a keypuncher the next year and worked her way up through the ranks, but disclaims the special status of her position. "Many women in other companies find themselves doing the job, but without the title."

Women may be harder to supervise because they tend to be more emotional than men, she says, and claims her jobs calls for "a basic understanding of human relations."

Riches to rags — and back

Who is the tall lean garbage man with that big warm smile? He's Jack Coleman. Who is Jack Coleman? Well, for a start, he's one of Copper Cliff's native sons and his father, the late Dick Coleman, was assistant smelter superintendent at Copper Cliff when he retired in 1949 after 39 years with Inco.

Despite the evidence before your very eyes, "Who's Who in America" lists Jack as the author of seven books on labour and economics and as a member of seven boards of directors. Also he's president of Haverford College, an elite and very expensive college near



One of Copper Cliff's native sons, author, director and college president Dr. John R. Coleman.

Philadelphia. There, they refer to him as Dr. John R. Coleman.

"How come he's toting garbage then?" you may well ask with raised eyebrows. Hang onto those eyebrows and hear this. Earlier this year, during the six weeks prior to the two-week garbage gambit, he worked successively as a farm laborer, ditch digger, porter-dishwasher (he was fired from that one), kitchen helper and as a sandwich and salad man.

Why? Well in Jack's own words, "I wanted to relearn what it was like to be a worker in the company instead of the top man."

Jack has a great admiration, almost awe, of men who make their living by physical labour. He speaks with affection, and a kind of reverence, about his friends who work in Inco's mines and smelter and refineries at Copper Cliff.

"The fact of the matter," he says, "I wanted to test myself. I wanted to prove I could do it.

"I knew garbage men were not the highest on the American social scale," he says, "but I wasn't prepared for the utter contempt shown by most people.

"I hope this experience will make me a better president. I'm sure I have a better idea of what things are important and what aren't."

In his mail recently, he received a letter from a labourer in California who endorsed Jack's idea of changing the rhythm of one's life. The labourer wrote that he wanted a change — he'd like to be president of Haverford College for two months.

"That," said president John R. Coleman, "will be the hardest letter of all to answer."



Farm laborer, ditch digger, porter-dishwasher, kitchen helper and garbage man Dr. John R. Coleman.

85 years later

The corner of Copper Cliff's Balsam and Power Streets in 1888 and in 1973 share two common landmarks — a meandering creek and a bridge to cross it, and little else.

The bridge structure has changed some, but it's in the same location, so is the creek. There are few horses crossing the bridge nowadays, so there's no need for the watering bucket that can be seen on the old bridge.

THEN

Owned and operated by the Canadian Copper Company, and the first mine in the district to ship ore, the Copper Cliff mine was two years old in 1888, and a company report to the Ontario Government in 1889 stated that "the shaft is sunk at an angle of 45 degrees, and on December 31, 1889, it had reached a depth of 502 feet, and the width of the orebody at that depth was 65 feet".

The mine was closed in 1905, but the collar of the shaft, complete with some of the original mine timbers, can still be seen behind the houses on Market Street.

The centrepiece in the "NOW" picture, the Copper Cliff Centennial Library was opened on May 22, 1967.



Giving top-notch service to thirsty relief receptionist Peggy MacLean are Sharon Sauve, daughter of purchasing department buyer Joe, Carla Bussolaro, whose dad Saverio is a Copper Cliff mill maintenance mechanic, and Sandy Bossey, daughter of FBR building maintenance mechanic John.

Beat the heat

It's an ill wind (and a humidex reading of 101) that blows nobody any good, and one that blew hotly a while back was no exception.

Three enterprising young Copper Cliff lassies in need of funds for a going away party set up a Freshie stand near the

company's general office door and then created some kind of a record by raking in a cool \$8.00 in just over an hour. "At five cents a glass that would be a lot of sales," they said as they counted fingers and collectively worked it out. "People were real generous — most told us to keep the change from a quarter."



Copper Cliff mine – 1888

AND NOW

The same view today





Going!

Going!

Gone!

Down Port Colborne way, some folks are still shaking their heads, mumbling words like hypnotism and wondering what they're going to do with the whatnot they bought when the last thing they needed or wanted was another whatnot.

They're some of the auction sale buffs who've fallen under the spell of glib tongued orator and auctioneer Larry Sammut, who, when not on the job as tank cleaner in the electronickel department at the Port Colborne nickel refinery, more likely than not can be found surrounded by a mesmerized crowd listening to his chant of; "I got four. Who'll gimme five gimme five gimme five who will."

Maltese by birth, Larry came to Canada in 1949, and to the nickel refinery in 1955. He and his wife Janice and their four youngsters, Roxanne, Vanessa, Wendy and Lorry have their home and a barn on an acre and a half just outside the Port on highway 10.



Larry Sammut on the job placing a 500-pound anode in a newly cleaned tankhouse plating tank.

"The barn's usually full of all sorts of odd items," said Larry with a grin, "I can sell, but I'm also a compulsive buyer, I'll buy anything." A licenced auctioneer for the past three years, he spent the previous two learning the trade from established local auctioneer Roger Hamer.

Larry holds regular consignment sales in his barn and also conducts livestock sales, but enjoys estate sales most. "Now they're exciting, you never know what's coming up next," he said.

Larry feels that auctioneering makes for family togetherness. "The wife keeps track of sales as auction clerk, and the youngsters collect the cash — we're all involved."

Going back to the whatnots, the shaking heads and the mumbling, a person could almost imagine a lowered voice. "Say," it says, "you don't really believe this hypnotism bit do you?"



The Copper Cliff arena resounded with cheerful shouts as the boys formed lines to practice skills such as line rushes and obstacle course skating.

Puck pros and pupils

Even with temperatures in the 80s outside, a record turnout enrolled in the Al Arbour Hockey School held in Copper Cliff's Stanley Stadium late this summer.

Six professional hockey players joined Arbour, coach of the New York Islanders of the National Hockey League to lead 360 boys in hockey instruction.

Broken into two sessions each of two weeks duration, the program taught the basic skills of hockey, with additional emphasis on the game as recreation.

On the instructors' roster were Jim Pappin of the Chicago Black Hawks, Larry Keenan of the Philadelphia Flyers, Dave Pulkkinan of the New York Islanders, Al Blanchard of the New York Rangers, Bob Whidden of the Cleveland Crusaders, Gary Croteau of the California Golden Seals, Jack Carter, head coach of the Laurentian Voyageurs and Vs standout Dave Tataryn, and Stu Duncan of the Lockerby Vikings.

Instruction featured two hours ice-time five days per week. An additional 45 minutes per day was given to films, lectures and video tape replays of the students' progress.



Instructor Bob Whidden (right), of the Cleveland Crusaders, watches as David Snow slips the puck past Robert Henri.



Al Blanchard (centre), of the New York Rangers, demonstrates stick handling skills to Gary (left) and Robert Ross, sons of Harold Ross of the iron ore recovery plant.

Interested spectators are Jean Henri and Yvette Ross, both of Hanmer. They were among many mothers who accompanied their sons to the school each day.



Softball circuit

September signals the end of regular play in softball leagues around the Inco circuit and playoffs got underway shortly after the Labour Day weekend.

FROOD-STOBIE

At the end of regular play in the Frood-Stobie league the top four teams were Electrical, Frood Office, Frood 2200 level and Frood Mechanical, in that order. In a close two out of three series Mechanical beat out Office and at time of writing were awaiting the winner from the Electrical versus 2200 series. The winners play off for the Eldred Dickie trophy.

League secretary and statistician Cec Goudreau reports a good season with the only real complaint being not enough games.

CREIGHTON

The two top teams in the Walden Softball League were Tradewinds Expos and Rouleau's Men's Wear with both teams sporting quite a contingent of



Checking the final statistics in the Frood-Stobie Softball League are Cec Goudreau (seated) and Brian Caldwell. As well as keeping the records straight and games on schedule Cec and Brian played for the Office team which lost out in the semi-finals.

The king and his court. That's Hans Schmidt, pictured with this bevy of baseball beauties. From left to right: Monica Nowak, Betty Oben, Kathy Lytle and Susan Nadeau, all of whom were active players in the General engineering league. Hans was coach of the winning team.



Creighton players. Expos beat out Naughton Reserve and Rouleau's took Bert's Shell in the semi-finals.

GARSON

Garson-Kirkwood had an entry in the senior, junior and peewee leagues in the Garson Community Softball League. In the nine team senior league they finished in the cellar spot but were second in the junior and third in the peewee division. Playoff action in all three leagues taxed the resources of the three playing fields at Garson. League president George Simard reports a very good year with about 450 players in the three leagues. Statistician Harvey Parsons had his calculator humming to keep the records straight.

COPPER CLIFF

Another good season was chalked up in the Copper Cliff Shift Softball League with Transportation having to beat out Reverbs in a sudden death game to cinch first place. Transportation will take on Electrical and Reverbs the Mill team in a two out of three semi-final series. The winners will meet in a five game series for the championship.

NICKEL REFINERY, IRON ORE PLANT, ETC.

The fledgling league that some of the boys at the nickel refinery started last year developed into a seven team league this season complete with a winner's trophy but no official league name. At time of writing league president Mike Krossey indicated that this omission would soon be rectified. The seven teams in order of final standing were I.P.C., N.R.C., I.O.R.P., General Office, Industrial Engineering, Instrumentation and Mills. In the semi-finals General Office beat I.P.C. and N.R.C. beat the I.O.R.P. and in the finals N.R.C. won the spanking new trophy

donated by the Process Technology Social Club. Wayne Sawyer was winning coach. Don Keegan, General Office coach brought the inimitable Gerry Wallace out of retirement to bolster their ranks.

LEVACK

All six teams in the Onaping Falls Softball League were in a playoff series. Crest Hardware, with several Levack junior hockey players on the roster, was tops in regular season play followed by Elks, Police, Palumbos, Electrical and Office. The first and fourth teams played a three out of five quarter final series with the winner getting a bye into the playoffs. In the other quarter finals it was Elks versus Electrical and Police against Office in a best two out of three series.

GENERAL ENGINEERING

The gang over at general engineering turned their softball into a fun league this year by adopting blooper ball rules. This eliminates the fastball pitcher and his many strikeouts since the ball must be delivered or "lobbed" over the plate in a high arc, giving the poorer hitters a chance. No umpires are present, an honour system is used and this seems to work out fine. To round out the fun four girls played in the league. Most everyone concerned is looking to a bigger and even better season next year.

Five teams were entered in the league; Planning, coached by Murray Nelson, Civil Mechanical Design with Hans Schmidt at the helm, Environmental Control coached by Brian Bell, Maintenance Engineering with Rod Sutton coaching and Instrumentation guided by Gord Jenks. In the finals Civil Mechanical Design won two straight over Planning and took the beer mugs that went to the victors.

Home win



Ontario division president Ron Taylor presents the president's trophy to the winning Sudbury foursome of Leo Hayes, Don Peloquin, Roy Maud and Don Ripley.

With the Sudbury foursome of Roy Maud, Don Ripley, Don Peloquin and Leo Hayes winning the president's trophy this year, could be the home course is the big plus. Port Colborne topped the other two entries on their home course last year and this year the tournament was played at Sudbury's Idylwyld Club on September 15. Next year the action moves to Toronto and the big city boys are counting on a win.

The Sudbury shotmakers scored a respectable 338 team total, Port Colborne was 341 and Toronto "coasted" to an easy 386.

Roy Maud was low gross with 82 while Don Peloquin and Port Colborne's Ken Burke carded 83. Burke shot a fine 38 on the back nine.



In runner-up spot this year was the Port Colborne team. With vice-president Roy Aitken are Elmer Anger, Merle Noyes, Bob Noyes and Ken Burke.



In the final spot was the Toronto entry of Allan Headrick, Jack Durrell, Aubrey Tuttle and Pete Provias. Here they check the team score with tournament coordinator Mike Sharpe.

Wanted – Akela

Fun-loving, spirited group of young people desire to meet young-at-heart male or female with leadership qualities for regular Wednesday meetings, weekend trips. Group benefits include cold knees and skin rash (from wool shirts, poison ivy, etc). A membership of about 40 young boys and 16 older fellows who are continuing the 40-year tradition of the Cubs and Scouts of the 1st Copper Cliff troop. They need a leader for this year's meetings in the Copper Cliff Community Hall.

CONTACT: Chairman

Bill Carlyle 682-2429

or Secretary

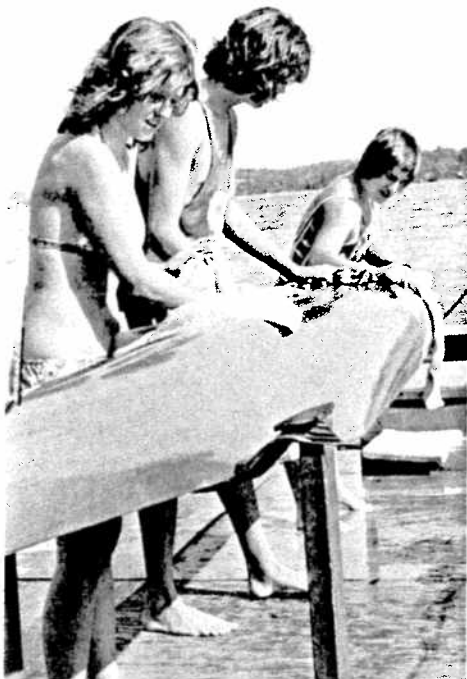
Sandy Zanetti 682-2798

Tee trays

The ladies' section of the Idylwyld Golf and Country Club report that their group of 186 golfers enjoyed the action on the greens this past season. President Anne Bell and the ladies held their awards banquet recently, and during the evening Phyllis Crang was presented with the Delma-Mutz trophy as club champion.



A beaming Pearl Wharton (centre) examines the Robert Stanley event trophy tray which was her award as champion of the event which is restricted to wives or widows of Inco employees. The trophy plus a take-home tray was presented by Vi Taylor, wife of Inco's Ontario division president Ron. A Stanley award take-home tray was also presented to Edna Johnson (right) who has won the trophy 14 times since 1951.



Paddle power

With the race run, if not won, Janet, Brian and Diane wipe down a kayak before putting it away in the boat-house. Brian and Diane also race singles, but Janet says: "I get psyched out too easily."

If the fastest way to learn to swim is to just jump in, then the same way may be true for canoeing. At least, that system works for 17-year-old Janet Polowich of Sudbury, her 15-year-old brother Brian and paddling partner Diane Forbes, 19.

All three are members of the Sudbury Racing Canoe Club, and despite their undeniable success, they regret the lack of coaching at the Lake Ramsey facility.

Janet and Diane copped the gold medal for their event at the Ontario trials in North Bay last August, and paddled to a bronze medal in the Canadian Canoe Association championships a week later. They compete in K2, or kayak pairs, and finished barely a second behind the gold medalists at the Canadian finals.

"I liked kayak from the start," says Janet, daughter of late Creighton miner Paul Polowich, "I just jumped in and started paddling. This year, we had no coaches to help with our style or training, and that may have been why there were only about 10 racing paddlers. Diane and I were the only girls."

Diane also paddles in singles competition. At the recent Canada Summer Games in Burnaby, British Columbia, she won a bronze medal in that event and teamed up with other members of the Ontario squad to win silver medals in the K2 and K4 events.

Brian, who got his interest in paddling from older brothers Leo and Ralph, qualified for the Canadian trials in juvenile kayak singles, but failed to place.



Braking to a stop by dockside, Ontario's K2 gold medallists, Diane Forbes and Janet Polowich, end another practice session on Lake Ramsey opposite Laurentian University.



On hand to watch practice at the Sudbury Racing Canoe Club was former member Carmen Thorpe, 21, daughter of Clarabelle mechanic Tom Thorpe and niece of Bill Thorpe, manager of purchasing and warehousing.



Bob Harper, supervisor of support services, on the job in Inco's Toronto office.

*Pictures and story from
The Toronto-Dominion Scene
Editor: Colin McLaren*

Bob Harper wears two hats. In his own time, he's Bob Harper, roller skating enthusiast and avid promoter of the sport. During business hours he's Bob Harper, International Nickel's Toronto based supervisor of support services, and responsible for the dissemination of over 1,000 items of technical literature and five company publications.

As he recalls, his dual life started in March of 1972. He was at Toronto's Woodbine subway station on his way to work when he caught a glimpse of himself.

He didn't like what he saw.

There was a 45-year-old, overweight, listless individual — a typical example of what can happen to a man in our society if he eats too much and exercises too little.

There and then he decided to do something about it.

That evening he went to the Terrace on Mutual Street, resolved to take up roller skating, a sport he had enjoyed until the age of 27.

"It was just like old times," he recalls. "I met people I hadn't seen in nearly twenty years."

Intrigued by the skate dance sessions, a regular feature at the Terrace on

Whiz on wheels

Thursday evenings, he decided to take it up.

For months he went along twice a week, improving his skills and losing weight. "I was down from 190 lbs. to 155 lbs. and now never go above 160 lbs."

He believes most people eat out of boredom. If you keep busy you tend to eat less and can control your weight.

Encouraged by his progress, he and his partner, Joyce Bueler, started taking lessons with two of Canada's top professionals, Frank and Shirley Beal. At the same time, he visited Rochester, N.Y. and Hamilton to attend roller skating meets. "Like an old fire horse, I decided to enter competitions," says Bob.

The major test came at the First Canadian National Roller Skating Championships, June 30-July 1, at Bingeman Park, Kitchener.

The event drew 150 competitors from Calgary to Montreal. Bob decided to

enter two of the events, the Esquire Men's Figures and the American Esquire Dance Pairs.

Although he was competing with seasoned skaters, he won a second place in both events.

While physical fitness was the prime motivating force behind his success, Bob acknowledges that his love of roller skating and his desire to raise the sport's image are important factors, too.

A strong supporter of the Canadian Federation of Amateur Roller Skaters, Bob devotes much of his spare time to the promotion of the sport. His motivation is renewed every time he puts on a pair of skates — and every time he catches a glimpse of his youthful shape.

As recently appointed manager of the six-member Canadian World Team, Bob will be off to Essen, West Germany, about mid-October for the World Amateur Roller Skating Championships. We'll keep you posted regarding results.



Bob Harper, whiz on wheels, in action with his partner, Joyce Bueler.

Oops!

A few words on hunting safety. Not a season passes in Ontario without hunting accidents. Yet when checking up on how hunting accidents happen two interesting facts emerge. ONE . . . well over half of the hunting accidents which occur are the result of accidental discharge of a firearm. TWO . . . approximately one-third of hunters injured or killed by firearms in the field inflict these injuries or death on themselves. If you think about it even for a moment, it becomes evident that there is a very large personal responsibility on every person who carries a firearm into the woods or marshes. And this personal responsibility extends to wearing clothing that will make it extremely difficult for other hunters to mistake a man for game. Here are three good rules: treat every gun as if it were loaded at all times. Always point the muzzle in a safe direction. Be sure of your target; never shoot at a sound or a patch of color.



How d'ya unload this thing?

Wot woz it?

Remember last month's "Wot iz it" contest? How did you make out? In case you've forgotten, those sneaky pictures are shown again here. Confirming identification for some, and clearing up the mystery for others — here are the answers. 1. Two of the finger holes in a telephone dial. 2. A tape recorder cassette. 3. Two of those little "Cheerios" from a box of breakfast cereal. 4. A plug that connects the power cord to an electric iron. "Of course!" will be the comment of many, "how come I couldn't see that." Congratulations to the many of you who solved the puzzlers, and thanks to all of you who — right or wrong — mailed your answers to the editor. The mail bag produced 36 letters correctly identifying the objects, and the lucky winner of the draw was Juergen Schuette, a reactor assistant at the Copper Cliff nickel refinery. Congratulations Juergen, and to wife Ruth who probably had a hand in the guessing.

