

Merry Christmas

Bonne Année!

# INCO TRIANGLE

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## Reader Survey's 'Mores' and 'Sames' Put Us on the Spot

Broadly representative of all ages and occupations among International Nickel Company employees was the very healthy and informative response to the reader questionnaire published in the September issue of the Triangle.

Although the deadline for receiving replies was set at October 30, completed forms are still occasionally coming in.

Not surprisingly, since they are the largest work group, mines department employees returned the most replies, 31% of the total, although on the basis of their numbers the copper refinery employees showed the highest percentage interest in the survey.

Again it was no surprise that most of the replies came from employees 30 or more years of age, with the percentage rising steadily from the 31-40 group at 15.5 to the over-60 group at 22.4. No age was stated by 8.5%.

Only 19 returns out of the whole big heap indicated agreement with the questionnaire's statement "The Triangle doesn't interest me". The whoosh of relief emanating from the Triangle office at this result may have been mistaken by some as a blast at the Clarabelle pit. We certainly stuck our neck out on that one.

### Now for the Results

Now, to get down to the nitty gritty of the survey, 79% said their families look forward to getting the Triangle, which to us was intensely gratifying (we are blithely assuming that the other 21% have no families). Almost one third said they save all issues, and 39% said they send their copy to a relative or friend, another very pleasing indication. About 12% merely look through the paper, reading headlines and glancing at pictures, but 78% read "most or all of it", and 80% said it is well-balanced, with something of interest to everyone. Only 16% believed our name plate is old-fashioned and should be more modern, 67% said they

Students of Coniston's St. Paul the Apostle school planned and staged the Christmas Nativity scene with the assistance of a former pupil, Janet Herman. The roles of Mary and Joseph were enacted by Nancy Roussele and Ricky Clouthier. The Three Kings of Orient were Jerry Clouthier, Darren Dumontelle and Jeffrey Hawes. Richard Lalonde, Maurice Parisotto, Roger Goegan and Alan Ranger were shepherds, Paul Parisotto the drummer boy, and the angel beside Mary was portrayed by Danny Hawes. In our picture Patricia Kowal points out the Star of Bethlehem to a choir of angels: Debbie Geoffrey, Bonnie Corrigan, Susan Goegan, Shelley Baldisera, Kathy Corrigan, Dawn Dumontelle, Patty Barnes, and Franca Salzillo.



particularly enjoy the Family Album, and 69% thought some pictures in color would add a lot of interest. The percentage feeling that the Triangle keeps them well-informed about the Company was 72%.

In four main items in the More, Less, or Same category, the percentage trend was More: 51% want to read more about Inco operations in other countries, 47.5% about plant operations and methods, 50% about the historical background of the Company, and 43% about the uses of Company products.

The vote for approximately the same coverage as at present was in the majority (46%) concerning Company policies and benefits, retirements (47.5%), supervisory and executive appointments (55%), employee hobbies (43%), employee sports (47%), and employee participation in community activities (44%). In many of these cases More ran a close second, and in every case Less came a poor third.

Just how we're going to satisfy all those Mores while maintaining all those Sames, without any leeway provided by Lesses, poses a pretty problem. And what are we going to do about the many who simply said they want more of everything? Looks as if the first thing is go right out and buy a space-stretcher, and then double up on our over-time. But our readers have spoken, and we're delighted about it.

### Outspoken Suggestions

Along with these percentage returns we received hundreds of personal suggestions for improving the Triangle, many of them extremely helpful. Several rock collectors, for instance, want information and pictures to help

them identify the minerals in their samples. Another wants more diagrams relating to mining methods. Someone wants us to start publishing weekly. (!!!) Another says, "Publicize the fairness and goodwill Inco exercises in handling the CBA (collective bargaining agreement). There is so much adverse publicity that most people do not realize that in general the contract runs smoothly."

"Too much Copper Cliff" was one criticism. "Not enough Port Colborne." "Not enough iron plant." "Not enough Thompson lately." "More jokes." "I don't like starting a story on Page 4 and then having to turn to Page 12." "You should mail the Triangle to employees because some months I don't get a copy — they're all gone." "The copper refinery is badly neglected as a whole; the Company produces a hell of a lot more than just nickel, it was founded on copper!" "It wouldn't hurt to stress that all the present management were not here 40 to 60 years ago when the real damage to the ecology was done, and these men are continually working towards improving pollution control." "How about some articles just for women?" "Let's have some controversy." "There's too much glare from your paper." "Not enough stories about the men on particular jobs, like your Walkabouts."

### We Vote for This Idea

That's just a sampling of the kind of interest in the Triangle we were eager to have shown. We're heartily in agreement with the reader who said, "You should make these surveys every couple of years or so."

Believe us, dear readers, like Avis we're going to "try harder".

We want to thank the many who sent such nice compliments about the Triangle, although we can hardly go along with the generous remark of one reader, "I like the Triangle just as it is. Don't change a thing."

And we want to thank especially the people in the data processing department, who whipped out a breath-takingly detailed report on the returns to our survey. Without them it probably would have been at least next Christmas before we could have sweated out these results.

And, just incidentally, we were gratified to discover that the data processing department keeps an indexed reference file on all Triangle articles of general interest. It helps to know you help.

## Swimming Pool At Copper Cliff

A five-lane Olympic-length community swimming pool for year-round use will be built by the Town of Copper Cliff, commencing as soon as possible, Major R. G. Dow has announced.

The \$200,000 building, 117 feet long, will accommodate a pool 82 feet long by 31 feet wide, with spectator gallery, lobby, locker rooms, and administration office. The pool will have diving boards at heights of one and three metres.

Located opposite the Royal Canadian Legion building, it will be part of a recreational complex including Stanley Stadium and the Copper Cliff Curling Club.

The community could hardly have asked for a nicer Christmas surprise.

May all members of the Inco family  
have a joyous Christmas and  
health and happiness  
throughout the coming year

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DEPARTMENT GENERAL MANAGER

THE INTERNATIONAL NICKEL COMPANY  
OF CANADA, LIMITED



## Showing Somebody Cares

# Ralph and Yvonne Melanson Deeply Dedicated to Boys

There'll be a 30-lb. turkey and all the trimmings, in double or even triple servings, on a certain dining room table on Christmas Day. That's the prospect facing Ralph and Yvonne Melanson, and they couldn't be happier about it.

The scene will be the non-denominational Centennial Boys' Home in Sudbury, and it will be a "family" occasion in almost the fullest sense of the word. The eager young eaters who pass their plates for heaping second helpings will also be feeding another kind of healthy hunger — the basic human need for "belonging."

When 51-year-old Ralph Melanson is driving home in the evening from his job with the transportation department at Copper Cliff — he's been an Inco man for over 20 years — he smiles to himself, "I wonder what they've got waiting for me to-night".

## Rejection and Disrespect

And it could be almost anything, because seven of Ralph's boys came from troubled homes where the family relationship had broken down for one reason or another, and childhood had usually been a time of loneliness, rejection, and resentment leading to disrespect for parents, teachers, and finally the law.

But in the three years since Ralph and his wife decided to become "parents" at the home for boys, the crises have steadily become fewer and farther between, and the feeling of a normal family relationship steadily stronger. Now "what they've got waiting for me tonight" seldom turns out to be a major problem.

Ralph and Yvonne, who both came from the Maritimes, were ideally prepared for the responsibility. He had been a Cub and Scout leader for 17 years, and had served in the Canadian Army provost corps for seven years, so he needed no lessons in understanding boys and firmly imposing discipline. She was one of a French-Canadian family of 15 children, an ideal background for a den mother. They make a terrific team. Their own family was grown; one son and their daughter were married and had left the nest, and their other son, Danny was in high school.

Before making the momentous decision they had to be certain about Danny's feelings — was it liable to put his nose out of joint, sharing his parents and home life with a group of strangers, and having to live just like the others by a pretty strict set of house rules? No problem there — Danny was as cheerfully eager for the challenge as they were.

## Taught Responsibility

The boys, each of whom has his own room, have to make their beds and tidy their rooms before going to school. They must report home right after school. The evening meal is at 5:00, and they take turns at doing the dishes and helping around the house. If they go out afterward they must tell where they're going and with whom, and they must be home by 9:00. They must do at least one hour's school homework, and lights are out at 11:00. On Sundays they go to the church of their choice.

Right after the evening meal comes discipline time. Every in-



Ralph Melanson enjoys a little chat with Richard in his room at the Centennial Boys' Home. The hockey hero on the wall is Bobby Hull. Richard had a wild temper problem. A while back he proudly told Mrs. Melanson, "I haven't had a fight at school for over a week now".

fraction or misdemeanor is brought right out into the open, and Mr. Melanson is the judge who sets the penalty. It may be doing the dishes every night for a week or more, cutting off going-out privileges, or suspension of the \$2.00 weekly allowance. The fairness and frankness of this "talking things out" has resulted in boys often volunteering to set their own punishment, and if it's suitable to him the judge says okay.

The boys, aged 15 to 18, are legal wards of the Children's Aid Society; they can remain in the home as long as they're attending school. The Centennial home is one of four operated in Sudbury for boys from the city and district by a board of 17 directors, business and professional men who gladly devote their time to this inspiring cause. Ray Poratto is chairman, Father Brian McKee secretary, Bill Sinclair treasurer, and A. J. "Red" Pianosi fund-raising chairman.

The annual 21-mile Walkathons sponsored by CKSO in which thousands of Sudburians, from babes in carriages to pensioners with canes, form a giant parade of good neighborliness, have raised over \$150,000 for the boys' home program. Dinners at \$100 a plate, for those who can lay that kind of moola on the line, have also made a substantial contribution. The annual "hockey" match between the Flying Fathers and the CKSO Good Guys always draws a packed house at the Sudbury Arena.

A reverend Irish fireball, Father Brian McKee, has been the main sparkplug in the boys' home program. He always walks twice around the route in the Walkathon, surrounded by a group who draw on his buoyant enthusiasm when they feel themselves faltering. He and the directors now have their sights set on building a home for working boys after they leave school, and hope to get it started next year.

## "It Hurts to Lose One"

Steering boys back into the mainstream of society, with a proper set of values and respect for themselves as well as for authority, takes a steady hand on the wheel. "Of course we lose one now and then, and that really hurts," says Ralph Melanson, "but it's a wonderful thrill every time we win one."

"I'd like to say how much Yvonne and I owe to our graduate psychologist, John Juhlin. How he finds the time from his regular work at the General Hospital I'll never know, but he visits all the four homes regularly and he's always available when we need him, day or night. He has the confidence of the boys and has helped me out with many a tough problem through his training and judgment. We could never have managed this without him."

As for John Juhlin, his feeling is: "I realize that some of the



Ralph and Yvonne Melanson and their son Danny (left), along with popular social worker John Juhlin (beside lamp), take pleasure and pride in their big family circle in the recreation room.

boys have gotten into trouble, but I also see that with a little direction and love most of these boys are quite capable to take on their role in society. I have found this work the greatest experience of my life. But the greater part of the work is done by the parents, who are the foundation of any home."

#### Being a Good Father

Ralph Melanson takes his boys on regular weekend outings, winter and summer. They pack into the 12-passenger van he bought for the purpose and take off for ice-fishing, skiing, hunting, picnics or just horsing around in the woods and the water. He also makes sure that every boy starts a bank account, and he checks regularly with the teachers on the progress and attitude of each boy in school. He

is very firm but very kind. He tries with all his heart to be the good father figure these boys so deeply need.

His wife is a superb cook and family manager who believes in serving lots of everything. There's always a bowl of fruit on the table and plenty of snack makings in the frig. "When I'm sewing their clothes in the evenings they come to me with their problems. I get a great joy out of that, and out of their teasing. It keeps me young," she says.

Ralph and Yvonne get a month to themselves in the summer while the boys are at the Knights of Columbus camp at Lang Lake. Except for one weekend off each month, they're busy with the home. And they've never lost their sense of humor. That, in a word, is dedication.

## This Mechanic Fixed His Christmas Bills

Joe Beauchamp got his Christmas shopping budget nicely taken care of when he was handed a \$315.00 Suggestion Plan award by Tom Prior (left), maintenance section superintendent at Copper Cliff. A maintenance mechanic 1st class, Joe had turned in a recommendation that a drift pin be used for straightening damaged couplings on the converter punching machines. It was typical of those bright ideas occurring to a man who takes special interest in his job, which on being tested often pay off in savings of time and money and earn a substantial reward for the employee who keeps his thinking cap on. On the right, joining Tom Prior in congratulating Joe on his success, is maintenance general foreman Jack Clark. Living in Naughton, Joe and his wife Rosalie have a family of three, all snowmobile enthusiasts.



## Santa Was Joyously Welcomed Despite Sneak Attack by Weatherman

It was on November 22 that Santa Claus set his runners for a landing in the Nickel Belt, and what a mixed reception he got!

Preceded by his grand parade and riding high on his trusty sleigh, he raised his arms to a leaden sky and, as if to order, lightning flashed and thunder rolled and the jolly gent was pelted with a soul-chilling mixture of snow and rain.

However, a warm and boisterous welcome from over 20,000 faithful fans who lined the two-mile downtown Sudbury parade route more than made up for the cool reception laid on by the weatherman.

Handy to the parade marshalling area, the Sudbury Arena became a haven of shelter for the nine marching bands and four majorette groups who crowded into the building to escape the elements while they waited for the parade's 16 colorful but soggy floats to assemble.

Setting the pace and generating a spontaneous air of festive gaiety, livewire "Pied Piper" Sonja Dunn led the parade which passed through cheering crowds that in places were packed 10 or more deep on the city sidewalks.

#### Inco Donated Costumes

Unable to bring its usual seasonal greeting through the Inco Christmas Window because of space limitations at the Sudbury Chamber of Commerce, the Company made available 170 professional fancy dress costumes to the Citizens Santa Claus Committee. Distribution of the costumes was capably handled by the Sudbury Youth Centre.

Together with rotund and rosy-cheeked Saint Nicholas, many of the costumed story-book and biblical characters represented in the parade appear on the front and back covers of this issue, expertly photographed in color by Derek Wing despite the wretched weather. Right up there at top left on the front is Donald Duck, who shook many a little hand, while opposite him the Queen of Hearts seems happy to

have lost her tarts. There are clowns who clowned, and pretty girls who tossed candies to the kiddies. Two firm little believers are shown smiling and waving to the big Ho-Ho man in the red suit, and a brightly befeathered young Indian maiden stands beside her trusty steed.

#### Nativity Portrayal

On our back cover a serene Mary and the Christ child are seen on the Nativity float, and in another picture are two of the faithful shepherds standing watch. The Sudbury Public Library float presented Mother Goose, Little Jack Horner complete with plum and pie, and Little Miss Muffet, all of whom are pictured. The Joli Voyageur rode the Laurentian University float. One of the parade bands can be seen as it rounded the Elm and Durham corner. Pert baton twirlers led the high-stepping majorettes, and pom-poms flew as mini-skirted cheerleaders went into their act. Regally robed and be-crowned, the Three Kings of Orient are shown, and also some of the young beauties adorning the Santa Claus float.

A quick count reveals that more than 1,000 people took part in the parade. The organizing committee headed by chairman Jack Raftis are to be congratulated for a job well done.

"The affair gave us a few surprises," observed parade co-ordinator Ken Fyall. "One of the biggest was when we spotted the returning head of the parade only half a block away from the arena just as we were launching the final float — we very nearly had a never-ending performance!"

## 50 Years Married



Residents of Copper Cliff since 1928, Joe Siwicki and his wife Ksena celebrated their 50th wedding anniversary on November 11.

An Inco pensioner since 1960, Joe started with the Company as a blast furnaceman in 1926, and retired from the crushing plant with nearly 33 years of service to his credit. He reached his 73rd birthday last April.

Born in the Ukraine, Joe and Ksena were married there in 1920, and five years later Joe headed for Canada to join his father-in-law, who was working in Copper Cliff. His wife came over in 1928.

A surprise party attended by some 40 relatives and friends was organized by the couple's three daughters; one, Sylvia, is the wife of Copper Cliff cottrell operator Walter Adair. The gathering was held at the home of another daughter, Mrs. Zelio Quaiattini of Sudbury.

Presentations made to Joe and his wife included a candelabra, a purse of money, and a large bouquet of red roses on behalf of their eight grandchildren.

## Highlanders Instal Honorary Lieutenant-Colonel

Mayor Richard Dow was installed as honorary lieutenant-colonel of the Copper Cliff Highlanders cadet corps in a ceremony following the annual Remembrance Day services on November 11. He succeeds Major R. J. Swain of Thompson, former commanding officer of the corps. Major G. H. Hervey, corps commanding officer, is shown presenting Mr. Dow with a plaque of 150-year-old Scottish oak bearing the colorful crest of the Douglas clan mounted on a background of the Douglas tartan, the corps' official tartan. At right is Capt. Sam Laderoute, instructor of the corps' nationally celebrated pipe band.





One of the Training and Development Institute's six lecture rooms, all equipped for screen presentations.



Closed circuit television and video tape recorders are part of the institute's audio-visual aids equipment.



# One Long Step In Creating The New Inco

A major facility to broaden understanding and skills toward the creation of "a new Inco", the Company's Training and Development Institute has been established in Sudbury.

Extremely functional, comfortable, colorful, and modern as the methods used in its instructional programs, the institute's new quarters in the Inco Club will become increasingly familiar to all levels of Company personnel as its syllabus continues to expand.

"This is just the beginning," said Wilf Digby, superintendent of staff personnel. "By the end of 1971 we will have at least 10 different courses underway."

The institute is geared to Inco's objective of providing employees with training and development assistance, enhancing their opportunities for advancement and following the principle of promotion from within the Company.

"In a nutshell," explained Leo Pavato, supervisor of training and development, "our job is to motivate self-development."

Instruction so far being conducted includes three courses, attended once weekly for five consecutive weeks, covering instruction training for supervisors (ITSF), supervisory management course (SMC) Part 1, dealing with basic principles of management, and SMC Part 2, which is designed to develop supervisory

leadership skills. These three classes will be attended by succeeding groups of 12 trainees drawn from a broad cross-section of Company activities.

A two-day industrial relations course (IR) is being taken by a class of 20.

## 40 in Instrument Training

A class of 40 are involved in the Company's 52-week intensive instrument man training program, the first of its type in Canada. Divided into two groups, the trainees rotate, spending two weeks at the institute in lecture sessions and the fully equipped workshop, followed by two weeks of on-the-job training at mines and plants. Emphasis in this course is placed on practical work on process instruments and proper use of modern testing equipment and procedures. The course and the training facilities were organized by staff maintenance and hourly employment training personnel.

Additional training programs in the planning stage that will

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A seminar for maintenance department supervisors.



The 76-seat theatre has superb acoustics.



Administrator Walter Lalonde (seated) plans an overhead projector showing with three of the instructors, Brian Stoddart, Ronald Livingstone and Les Parr.



An industrial relations course in progress.

# Queen's Mining Students on Three-Day Inco Field Trip

One of the largest groups of mining students to tour Inco in recent years came from Queen's University, Kingston, on November 17 to spend three days in extra-mural studies at the Company's mines and plants in the Sudbury area. Mining professor Ed Wilson led the party of 36, members of the 2nd and 3rd year classes at the university.

"I have been conducting student field trips for the past seven years," Mr. Wilson told the Triangle, "and this tour ranks with the very best."

"The students and I were especially impressed with the well-organized, all-out effort of the staff, who answered questions and explained procedures patiently and thoroughly."

"I hope the visit will be the forerunner of many similar field trips in the future. It is obvious that Inco has a particularly interesting story to tell, and highly capable people to give the narration."

Mr. Wilson expressed thanks to the Company on behalf of the students and himself for "a truly successful visit".

G. R. Green, assistant general manager (mining), mines manager M. E. Young, and assistant managers T. D. Parris and C. F. Hews officially welcomed the visitors and launched them on a solid itinerary covering major phases of Inco activities from underground production through to environmental control and the new training institute at Sudbury. Entertained at luncheons and dinners, they became personally acquainted with many members of supervision who had acted as their guides.

## In Group Picture

The above group photograph, taken at Stobie mine, shows:

Front row, left to right, Gord McCreary (Belleville), Steve Gart-



shore (Willowdale), Brian Jamieson (Toronto), Rick German (Ottawa), Inco assistant mines manager Tom Parris, professor Ed Wilson, Inco mines area superintendent Sid Sheehan, Rolly Lemire (Kingston), Paavo Kivisto (Sudbury), Bill McBride (Belleville);

Second row, Chris Serin (Port Hope), Ebe Seidler (Val D'Or), Ron Eastal (Deanshanger, England), John Reshaur (Transcona, Manitoba), John Lill (Calgary), Greg Fauquier (Oakville), Joe Bakker (MacKenzie, Guyana), Al Yamashita (Thunder Bay), Rick Lorrimer (MacKenzie, Guyana), Peter White (Woodstock);

Third row, Jack Tuomi (New Liskeard), Albert Stevens (Kingston, Jamaica), Ray Jubb (Fenelon Falls), Ku Cheng (Taiwan, China), Bob Wilson (London, Ontario), Brian Acton (Belleville), Robert McCloskey (Toronto), Bruce Stewart (Ottawa), Rick Johnson (Scarborough), Raymond Ip (Kowloon, Hong Kong);

Back row, Frank Ingham (Pembroke), Lyall Workman (Sept

Isles, Quebec), Bill Shaver (Bourlamaque, Quebec), John Hafliedson (North Bay), Brian West

(Sudbury), Jim Seely (Kingston), Mike Iliffe (Willowdale), Anton Magnusson (Kingston), Bob Stirling (Belleville).



Ken Kay, technical assistant to the superintendent of mills, explains the electronic on-steam analyzer at Frood-Stobie mill.



There was close observation as Lexton Smith operated his fan drill in the sub-level caving operations at Frood-Stobie mine.



Smelters superintendent Bud Feick describes initial stage of matte separation in casting and cooling building at Copper Cliff.



## A Long Step In Creating A New Inco

(Continued from Page 7)

broaden the scope of the institute include a supervisory induction program (SIP) of two weeks' duration, a five-day human relations management course (HRM), and maintenance training. Also under study are proposals for one- and two-day seminars concerning orientation of new employees, financial analysis of corporate structures, performance appraisal, first aid instructor training, interpretation of the Ontario Mining Act, and other projects such as various personnel conferences.

The Company's training and development organization instigated a graduate mines engineer training program late last year. Currently 12 graduates are involved in this year-long session, rotating at one- to two-month intervals through the various departments associated with mining.

Now a busy scene throughout the day, the training and development institute opened its doors for business on November 16. Close to 500 personnel have already completed some courses.

The institute is staffed by permanent instructors and teaching personnel selected from within the Company. It will be a continuing training ground for four conference leaders who will each spend a full year as lecturers and organizers before returning to their original departments.

### Six Lecture Rooms

Located on the ground floor of the Inco Club, the training centre's 11,500 square feet of floor space is divided into six spacious lecture rooms, a reception area including a training and development reference library, a 76-seat tiered lecture theatre with projection booth, offices and a board room, instrumentation shop, and a visual aids production studio. Closed circuit television and video tape recorders are being used for analysis of trainee presentations, and to bring into the lecture rooms pictorial information and details of subjects that, on account of their size or location in a mine or plant, are not convenient for personal viewing.

Renovations to the existing building that resulted in the handsome and efficient institute premises were planned by Walter Lalonde in consultation with the Copper Cliff general engineering department. Floor and wall finishes together with the eye-pleasing color schemes were selected by Copper Cliff artist Orest Andrews. The conversion was completed in the short space of six weeks.



ABOVE: Part of the fully-equipped workshop for instrument man training.



LEFT: Instrument instructor Dan Mitroff with one of the 40 trainees.



RIGHT: Studying a pneumatic tank liquid level control.

BELOW: The institute's attractive reception area, which also has a training and development library.



# Stobie Puts a Hard Hat on Mark 1

A big super-sophisticated computer in Toronto named Mark I is wearing a hard hat part-time these days.

When this fantastic machine, in the course of its multitudinous daily duties at the Canadian General Electric data processing centre, receives a certain confidential code signal it immediately joins the engineering department at Inco's Stobie mine up near Sudbury, to perform a specified set of calculations. It zips back the answers, usually in a matter of seconds, and also sends a drawing if requested. Then it switches over to other assignments, but it's always instantly ready to put on that miner's hat at the command of the Stobie engineers.

## Old Way Tedious

Traditional in mine engineering are many hours spent in carefully calculating the day's accumulation of survey measurements and other information, and recording it on the permanent maps and charts of the underground workings. It's often tedious, repetitive work, but it's absolutely essential to the efficient, orderly operation of the mine.

"There has to be a better way," said Inco's mines engineering department, keenly aware of the



A very modest-looking installation, considering its fabulous feats, is the time-sharing computer terminal at Stobie. Mine engineer George Johnston is shown handing teletype operator Margaret MacKay data from which the master computer in Toronto will in a few seconds calculate ore grades. To the right is the plotter which produces actual drawings from the computer's calculations of survey measurements, and beside it is Gerry Marwell, the young programmer who set up the system. Like many of the Inco data processing department personnel, Gerry is a Sudbury boy who has been trained on the job in computer technology; a Laurentian graduate, he had worked underground during his summer vacations.

shortage of qualified personnel and of the huge tonnages they are committed to produce now and for the years to come. So they went into a huddle with the data processing experts at Copper Cliff, who have been steadily laying the groundwork for extending computer services within the Company.

The result, on an experimental basis, was the installation last July of a time-sharing computer terminal at Stobie. Looking like a large typewriter with a telephone dial alongside the keyboard, the terminal is actually a teletype unit for transmitting and receiving data, and is connected by long-distance telephone line to Mark I at Toronto.

## Split-Second Accuracy

A king-size electronic marvel with an apparently infinite capa-

city for handling mathematical problems at split-second speed and with 100% accuracy, Mark I simultaneously shares its time with about 100 "customers" like Stobie in various parts of the country. And it keeps them all satisfied.

An obvious test of the potential of the time-sharing computer at Stobie was the laborious daily task of compiling the survey measurements taken in the development openings and production areas to ensure that the mine is proceeding according to plan. First, the computer had to be "programmed" for this job. A detailed set of carefully sequenced instructions, based on the way the work is done manually, was translated into computer language by a programmer from the data processing department, and

fed by the teletype into Mark I's memory bank. Now the computer was ready to do the work for the engineer.

## Simple to Operate

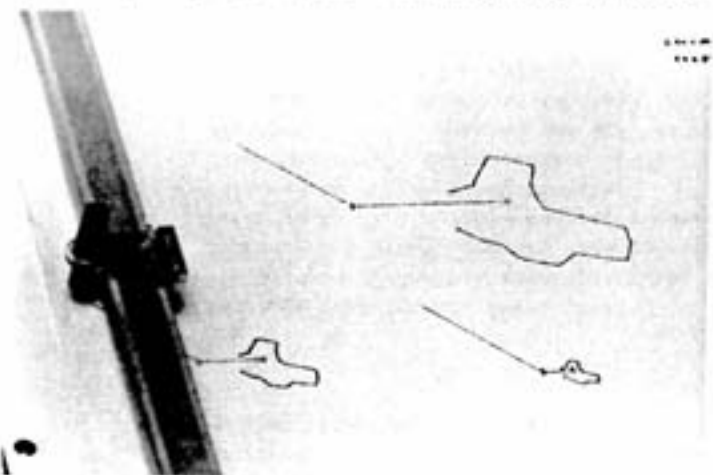
In simple statements, each identified and sequenced to conform to the program already established in the machine's memory, the engineer's survey points, azimuths, co-ordinates, elevations, directional bearings, etc., are typed out on the terminal. He can do the typing himself or, if he's a hunt-and-poke artist on the keyboard, he has it done by an experienced typist. The main thing is that there's no big mystery about it. And if there happens to be a mistake in the sequence of the information, the computer will politely point it out.

As it receives the information the computer refers with unbelievable speed to its memory bank for instructions and other stored relevant data, makes the calculations quicker than the fastest cat can blink an eye, and flashes them back to Stobie where they are automatically typed out on the terminal.

## An Invisible Artist

To make maximum use of this service a plotting unit was added to the Stobie terminal in October, the first plotter of its type in Canada. As directed by Mark I's calculations, it draws an outline of the drift, crosscut, stope or other surveyed area, exactly relative to established points. More than that, it plots the drawing on five different scales, from 20 feet to the inch down to 400 feet to the inch, which can then be traced directly on the permanent maps of the mine.

It takes no great stretch of the imagination to realize the time-saving and efficiency accomplished by this one computer program. Instead of spending



In this closeup the plotter has used the computer's calculations to draw a plan of the intersection of a drift and the start of two crosscuts in Stobie mine's sub-level caving area. In exact relation to established reference lines, the drawing has been graphed on scales of 20, 50 and 100 feet to the inch which can then be traced directly on the mine's permanent maps of underground workings. (Right) On a master plan of the mining area survey technician Frank Reynolds is tracing the plotted outline of progress to date in a cut-and-fill stope. By pre-computer methods this final survey result represented many hours of tedious and repetitive manual calculations.

valuable hours with slide rule, desk calculator and pencil, calculating and plotting a myriad of survey measurements, the engineering staff can maintain more frequent contact with the underground operations and devote more attention to the technical aspects of their work on surface.

#### Getting a Real Workout

A total of seven regular major mathematical procedures, some extremely intricate and time-consuming, have so far been successfully handled by the Stobie engineering terminal and its tireless, unflappable boy friend in Toronto, Mark I. has been programmed to whip out calculations, along with plotted outlines or charts where required, of development and stope progress, ore grades, grade control cutoff points, and electrical blasting circuits, raise borer schedules, basic structural design formulas, and long-range mining schedules.

This pioneering project at Stobie, completely "debugged" and in full operation, is now being carefully evaluated by management for possible extension of its use at other mines as a long stride toward the Company's goal of maximum utilization of its resources.

The fabled elephant is a piker compared to Mark I when it comes to remembering. Mark I just never forgets. Every piece of current data which may be required for future reference is tagged and stored in its memory bank, ready for instant referral. At the rate of about 300,000 characters per second the information as received from Stobie is transferred to discs like long-playing gramophone records. Each disc has 200 tracks, and can store 30 million characters, yet through electronic wizardry the machine can instantaneously reach into this tremendous storage and retrieve whatever single item of data is necessary to complete the particular calculation it is being asked to perform. For safety's sake, a duplicate set of discs is produced and kept in another place; the original data remains at Stobie.

#### Enables Closer Control

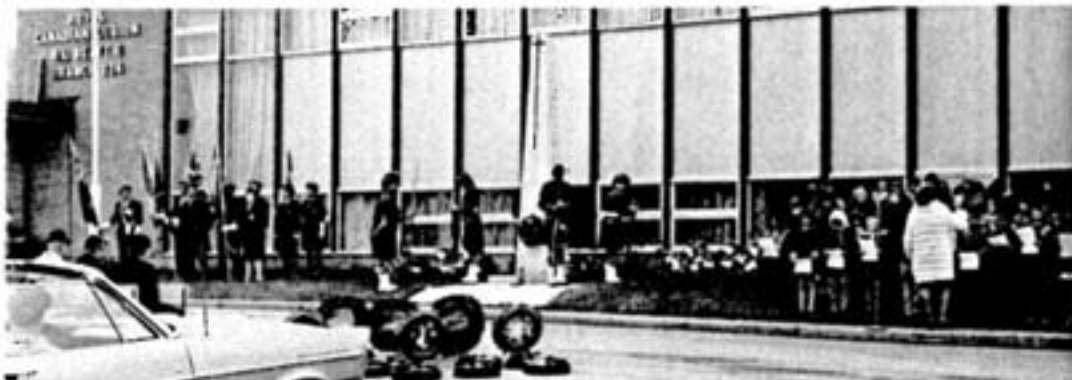
In these days of bulk mining lower grade orebodies, control of rock dilution is of course of paramount importance. It stands to reason that the oftener the engineering staff can check on the grade of ore as it is being removed, the more efficient the mining operation becomes. These observations extend into estimates of the actual metal recovery that can be expected from the scheduled tonnage for the area under production, and schedules can be adjusted accordingly. By releasing men from desk-bound calculating work the computer enables them to make much more frequent on-the-spot checks in the mine.

This additional control of survey lines, dilution and grades is

## Solemn Service Honors Memory of Warrior Dead



In common with other major communities of the Nickel Belt, including Levack, Chelmsford, Sudbury and Lively, citizens of Copper Cliff of all ages turned out in large numbers on Remembrance Day, November 11, to honor the memory of the warrior dead in two world conflicts. Although the freedom for which they fought and died is often gravely challenged, their valor and supreme sacrifice remain enshrined in the hearts of succeeding generations. Members of R. L. Beattie branch of the Canadian Legion are seen above parading smartly to the services, followed by members of their ladies' auxiliary, the Copper Cliff Highlanders cadet corps, and marching youth groups.



Legion president E. H. Capstick conducted the impressive Remembrance Day program, at which all levels of government were represented. Despite the usual overcast sky and chilly weather, the turnout of townspeople was the largest in years. Venerable Gilbert Thompson, Legion chaplain, pronounced the invocation. Picture shows the color party, the honor guard of young Highlanders, and the children's choir led by Mrs. Janet Boulton. Representing the Silver Cross Mothers, Mrs. C. H. Buck placed the first of the many wreaths brought forward to the cenotaph. The pipes and drums of the Copper Cliff Highlanders played for the solemn occasion.

of inestimable value to the production crews, and it is also highly useful in the critical task of long-range planning for the mine. This high order of control permits the management to look many years into the future and foresee production and metal recovery. It takes an engineer about a week to produce such a highly involved report, but Mark I can rattle it off in about an hour.

The amazing computer can also come up in a jiffy with such spot-checks as, in effect, "On the basis of producing 20,000 tons per day in 1985, your development work in Area 3008 is now 2,500 feet behind schedule, and if this trend continues in this area it will put you 1,000 tons per day short of your objective." Needless to say, with a hint like that, steps are promptly taken to correct the situation.

#### 10 Minutes for 4 Hours

Another graphic example of how the computer conserves engineering time for other important functions is in the designing of electrical blasting circuits. An average 50,000-ton blast, for example, involves placing about 400 blasting caps in drill holes

charged with explosives which are connected by a complicated network of various-sized wires leading to some 20 junction points, which in turn are hooked up to the main power line. The trick is to ensure that electrical power is distributed evenly through the network so that all caps will fire without fail. This requires calculating the accumulated resistance in the designed circuit and assigning the resultant current to all points. It's an exacting and laborious procedure, allowing no margin for error, and it takes at least four hours of an engineer's time. The computer, permanently programmed to perform the job, is supplied in about 10 minutes with the footage, sizes of wire, and number of caps in the particular blast, and within 10 seconds it flashes back to the terminal a calculation showing the combined resistance for which power must be supplied.

#### Awe Comes Easy

Considering its fantastic speed, accuracy and memory, a layman is inclined to regard Mark I with profound awe and mental genuflections. Which brings to mind that early computer joke about the programmer who asked his

machine, "Is there a God?" The machine printed out its answer: THERE IS ONE NOW.

The plain unvarnished truth is that neither Mark I, nor any of its less sophisticated counterparts like those in the data processing department at Copper Cliff, has a "brain" or can "think". They can only do what a man tells them to do, and a man can do any job they can do. Their young masters in data processing casually refer to them, with almost shocking irreverence, as "big hunks of hardware".

Be that as it may, to mine engineer George Johnston and his staff at Stobie, freed from long and tedious calculations so they can get on with other vital work, Mark I in his miner's hat seems like a fabulously sharp and intelligent fellow-Incoite. This might sound a bit naive but they couldn't care less.

Inflation is the period when a man who is normally broke by Friday, finds that he is broke by Wednesday.

When your outgo exceeds your income, your upkeep is your downfall.





George and Alyce Morrison had a young family of three when they posed for the Triangle Family Album 20 years ago. In the "between" years they've added a son and have seen their youngsters grow into fine solid citizens. George was general mill foreman at Copper Cliff when the first picture was taken; in 1959 he transferred to Levack as mill superintendent. Seated with their parents are Lynn, a graduate nurse, and Bruce, 17. Standing are Edward, and Stobie efficiency engineer Percy.



# Family Album

## THEN... and NOW



When Matt and Doris Burdenuk's family was photographed in 1954, 20-month-old Gord was no more than a lapful for his mother. "He's eaten a lot of groceries since then," smiled his father, who is a motorman on 1200 level at Murray mine. Older sons Ron and Eugene, who were then 14 and 12 respectively, are both secondary school teachers. Ron at Confederation in Val Caron, and Eugene in Timmins. The family home is in New Sudbury.



When the Triangle first visited the Koskela home in 1946, Arvi and his wife Irene had four daughters with them at the dinner table. Now 24 years later, they often have eight grandchildren. Arvi retired on pension from Creighton in 1959 and lives in Sudbury. Standing behind their parents are Gloria (Mrs. John Sigouin), Ellen (Mrs. Bruno Blasutti), and Arlene (Mrs. Don Hughson). Sandra (right) is a medical secretary in Sudbury.



Conist man I wife, family 22 ye Basil ment Stand in the a Fa who 11 of Co works depart jorie, left, miner son, W, beside 1948 p

These are times of challenge and change, often bringing confusion and discouragement but more often improvement and inspiration. They are times when people, perhaps more than ever before, need to turn at Christmas to the warmth of the family circle, with gratitude in their hearts for enduring love and faith and understanding. Here we take our annual backward glance at some of our early Triangle Album families, to compare with how they are today. To them and the hundreds of others who have graced our page during the past 23 years, we extend sincere Season's Greetings, with the hope that family ties will continue to hold strong and true.

Twenty Christmases have come and gone since Walter and Ollie Dydyk's family first appeared in the Triangle. Young Donald joined the group 16 years ago. Barry is an electrical engineer, married and living in Waterloo, and Barbara is taking post graduate studies in psychology in Madison, Wisconsin. With Inco since 1937, Walter is a senior mines planning engineer at Copper Cliff.



on charging floor fore-  
laid Henderson and his  
Irene, posed with their  
for the Triangle camera  
irs ago. At that time,  
was a furnace depart-  
ment clerk in Coniston.  
g behind their parents  
1970 picture are Larry,  
knowledge miner, Bob,  
engineer for the Town  
iston, and Victor, who  
in the transportation  
ment at Coniston. Mar-  
ried on her father's  
married to Garson  
Roger Menard. Another  
sire, sitting on the left  
the family pet in the  
clure, died in 1969.



Eight-year-old Edward, the chosen son of Lucy and Bill Demkiw, has joined the scene since the Triangle visited this happy family in Sudbury in January, 1952. Bill, jr., beside his dad in both pictures, is now married and living in Toronto. Younger brother John is apprenticing at Copper Cliff as an electrician, and Linda is studying radiography at Toronto. A long-time Frood man, Bill is a shaft leader. He and Lucy have always been active and popular in team sports.



The three young ladies next to the boys in the back row were the only ones present in April of 1952 when Dave and Edwina St. Germain were hosts to the Album camera. Since then their family has more than doubled and two of their flock have taken marriage vows. In the back row are Diane, 14, Claire, now the wife of Garson driller Ed McKerral, Irene, 21, Helen, who is Mrs. Merv Hollingsworth of Windsor, Roger, 15, and Paul, 17. Next to her father is Mary, 12. A rigger at Garson in 1952, Dave is now a maintenance foreman at the mine.





# Family Album

(Continued from Page 13)



Like most rivers, the Jack Rivers family of Port Colborne has seen a lot of changes since we visited them 21 years ago, but the current is still flowing strong and deep. Bill is now a local school teacher; Gerry, who arrived four years late for the first picture, is in grade 12; John operates a service station in the city, and Bonnie is now Mrs. Ron King of Bramalea. Jack, an Inco man since 1933, is a foreman in the refinery mechanical department; he and his wife Idella have three grandchildren who are kings of the castle at the family's summer cottage on the lake up at Lowbanks, which Jack built 18 years ago.

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Alex Farquharson's family "raised the roof" many a time in the days back toward 1952, when the Triangle camera first clicked their picture, and a good thing too, because they're all a lot taller than they used to be. Standing with Alex in the 1970 picture are Brenda, now Mrs. Harold Stevenson, whose husband is a 2nd class maintenance mechanic at Coniston, and Donald, who works as a 2nd class machinist in the Copper

Cliff machine shop. Sitting in front with their mother are Heather, wife of Frood 1st class machinist Chris Nadiwan, and Connie, who is on the staff at the Sudbury Public Library. At the time of the 1952 picture, Alex was a driller on construction; he is still at Stobie Mine, now a motorman on 1000 level. He and his wife Iona most like to holiday around their old home towns of Palmerston and Midland. It's nice to see that the years have dealt kindly with them, and brought them happiness.



In 1952 the Triangle photographed the Norm Ripley family at their Power Street home in Copper Cliff. Since then they've moved one street over to Cobalt, and Norm is superintendent of maintenance at the copper refinery, where he was working as assistant mechanical superintendent at the time of the first picture. Marion, then 2½, and now married to Norman Holler, is completing her studies as a home economics teacher. Brother Peter, three years her senior, is an assistant project engineer in the special projects department at Copper Cliff.





Banquet organizer and emcee Walter Lalonde did the honors and presented the prizes to the Lively club's best golfers of 1970. Standing from left to right in this group are club president Ray Caverson, Bob and Jeannette Withers, Jim Hiltz, Pauline and Chris Crowder, Walter and Doreen Smorhay, past president Bob Seawright, husband and wife champions Sandy and Graham Squirell, and club champion Hurlie Hreljac. Seated left to right are Orville Cull, Brian McQueen, 1st flight champion Dick Johnstone, Dave Scott and Bob Williams. Champion in the ladies' division was Mary Clarke.

## Despite Disaster Lively Golf Club Full of Old Spirit

Lively Golf Club's annual awards night dinner dance, held at the Italian Club in Copper Cliff, was a mixed affair in two ways; members and their wives feted the club's best golfers over the past year's play but were reminded by several missing trophies of the devastation of their club's facilities by the August 20 hurricane catastrophe.

But the club is not wallowing in its sorrows — far from it. The same enthusiasm and volunteer effort that saw the course open in 1960, and the membership grow from 200 in 1961 to close to 600 at present is still vibrating among the club's ranks. Definite plans are under way to replace the five-year-old clubhouse that was completely destroyed, and eventually to get the course itself back into the shape that ranked it one of the sportiest and most beautiful little layouts in Northern Ontario. Virtually all of the on-course trees were destroyed by the storm, and heavy damage also was done to the fairways and particularly to Nos. 4, 8 and 9 greens.

The club's new president, Ray Caverson, is heading up a steering committee that was established to investigate all aspects of a new clubhouse and playing renovations. Other members of the club's executive are Dave Scott and Graham Squirell, 1st and 2nd vice-presidents, Dick Bruser, secretary, Walter Chornenky, treasurer, Brian Cresswell, club captain, and Walter Lalonde, social chairman.



Attending members and guests gave hearty approval to the plans to rebuild. Showing their support from left to right are Valda and Chip Duncan, Marion Marlowe, and Irene and John Mullock. Some 75 couples attended the affair.



Although a generally festive air prevailed at the banquet, the bitter pill of the storm's destruction had to be swallowed too. Shown taking their medicine, as the extent of the damage was detailed to the audience, from left to right are Eileen Tuttle, Tom and Margaret Young, Don and Sally Levack.



Having wined and dined, this table is ready to dance to the music of the Stardusters. Left to right are Don and Judy MacKay, June and Bill Narasnek and Vera Resetar.



Jim Hunt and Larry Puro had the honor of "hanging out the shingle" for Inco's latest mining project.

## Newest Inco Mine Is All-Ramp Development

The first new Inco underground mine without the familiar head-frame, Levack West, announced November 30, will be developed exclusively from a ramp originating at surface and providing access to all levels.

The 9,000-foot circling ramp will carry personnel and supplies to the underground working areas. No shaft will be sunk; a 1½-mile tunnel will be driven on the 1,600-foot level for a conveyor by which ore will be transported across to Levack mine's No. 2 shaft for hoisting to surface and treatment in the adjoining mill.

### 2,500 Tons Per Day

The new mine, which is expected to come into production in 1975, at an estimated capital cost of \$21 million, will have a capacity of approximately 2,500 tons of ore daily. Site clearing is under way, and development work will begin by the end of the year.

Surface buildings will include a dry room, office, service facilities and a sand plant. The mine will be developed by mechanized cut-and-fill methods and will provide approximately 250 new jobs.

Levack West will compensate for reducing availability of ore from the present Levack mine and, by the middle of the decade, will help lift the Company's production capacity beyond its goal of 600 million pounds a year at the end of 1972.

## Use Sprayed Nickel To Cut Repair Costs

A rich vein of savings was struck by Bagdad Copper Corporation of Arizona when its machine shop found that flame metallizing of nickel aluminide by spray gun did a better job of building up worn machine parts than the time-honored welding methods it had been using.

Chief reason, Bagdad says, is the fact that with the spray equipment now used for repair of worn parts the temperature of the area being sprayed normally remains between 200 and 300 degrees, avoiding warping.

# Christmas Cheer



Zelda Dixon, Hank Derks.

Here's a picture piece of the festivities as several Inco departments in the Sudbury area ushered in the Yuletide Season with mirth, melody, and gourmet gastronomy.



Jeanine Marion, Carmen and Gary Chiquen in merry mood.



"The Age of Aquarius" was the theme of the Foot & Hangingwall Society's annual ladies' night when exploration department people got together to kick up their heels. Gathered around one of the glittering symbols adorning the Knights of Columbus Hall are, top, Terry and Cynthia MacGibbon, Mary Kay and Don Phipps; below, Winston and Alice LeMay, Anna Ferro and Karl Lahti, Val and Don Sheehan. Many more of the merry-makers are in the big picture above.



One hundred couples danced and dined at the annual Yuletide bash of the safety, first aid, and hospital staffs at the Italian Hall, Copper Cliff. Around the table above are Dale DeMartin, Jack Mikkola, Linda Dunn, Ken and Carol Braumberger, Linda (shy) and Ken Smith; below are Barb Zappel, John Grieve, Eileen and Gil Cote, Judy Grieve, Hans Zappel.



Industrial relations and personnel people in the Sudbury area celebrated at their first annual Christmas party, at the Italian Club. Among the 65 couples were Art and Tilly Bennett, Rita and Alex McCuaig, Jean Spec, Pat and Jenny Poland, and John Spec.



Ninety couples enjoyed the annual dinner dance of the process technology department, held in a festive atmosphere in the Mayfair Room at the Sheraton-Caswell Hotel. Grouped around the Christmas tree in this happy group are: standing, Daryl and Bonnie Davison, Percy Tugwood, Beverly Kelso, John Holmes; front, Mike and Carol Humphris, Susan Tugwood.



## Meeting Some Nickel Refinery People on an Inco Walkabout at Port Colborne



**ROGER COTE**

A furnace helper with the anode department, Roger Cote is adjusting the speed of the waste heat fan that controls the roof temperature of one of the department's four nickel anode furnaces. A 28-year-old bachelor, Roger was born in St. Prosper, Quebec, came to Port Colborne with his parents in 1946, and has been with Inco since 1964. Prior to joining the Company, he spent many years cutting peat moss, another product of the Port Colborne area. Bowling and golf are Roger's favorite recreations.



**CHUCK GOSS**

Living in Port Colborne on the shore of Lake Erie, Chuck Goss has ample opportunity to pursue his hobby of skin diving, and has quite a collection of relics salvaged from wrecks of ships that went to the bottom in local waters. Chuck works in the electrolytic department at the nickel refinery, where he is seen with his propane torch anchoring woven plastic wrap to one of the legs of a primary iron removal filter. A native of Port Colborne, and well known for his performance on the ball diamond, Chuck was married to Anne Jane Weegar in 1967.

since 1959, Jim was not always as clean-shaven as seen here. A wrestler on the Niagara Peninsula professional circuit for several years, he sported long black hair and a bushy beard that earned him the title of "The Bear". He stepped out of the ring for the last time in 1968 because there was "too much travelling involved", and is now able to spend more time at home with wife Louise and their family of two daughters and a son.



**WALTER RUZYCKI**

A native of Toronto, Walter Ruzicki left there with his parents for Port Colborne as a two-year-old, and joined Inco in 1939. A storeman, he is seen on the job checking the inventory card on a roller chain for an ultrasonic bar cleaning machine. His off-the-job activities include an interest in most sports, and active participation in the Boy Scout movement as a group leader and committee chairman. Walter's wife, Helen, is den mother of the 6th Port Colborne Wolf Cub pack. The couple reside in Port Colborne and have a family of two.



**ROGER MCAULEY**

A first class instrumentman, Roger McAuley was photographed while changing a firing tip in the rectifier room, where incoming 27,000-volt alternating current is converted into direct current for plating tank operations. Roger joined Inco at Port Colborne in 1945. His father, long-time ironworker foreman Jack McAuley, retired from the refinery in 1968. Brother Fred is a pipefitter with the mechanical department. A keen deep-water fisherman, Roger also devotes a large part of his spare time to the Boy Scout movement as a group committee member. He and his wife Grace, and their family of three, live in Port Colborne.



**JIM MATTIAZZO**

Jim Mattiazzo was interrupted by the Triangle camera while drawing precious metals calcines from one of the oil-fired roasting furnaces. An Inco employee



**ALBERT KEREKES**

Busy with final quality control, Albert Kerekes is seen at his inspection post in the shearing section of the electrolytic department, removing reject squares from the conveyor belt carrying sheared nickel cathode to the shipping drums that each hold 560 pounds of the pure gleaming metal. Born in Czechoslovakia, Albert came to Canada in 1937, worked as a coal miner in Alberta, and swapped a black face for a white one when he became a flour mill operator. He drove a milk delivery route in Welland prior to joining Inco at the nickel refinery in 1953. Gardening is the joint interest of Albert and his wife Pearl. They have a son and a daughter.



**BARRY BITNER**

A 1968 graduate of a four-year Inco apprenticeship course, Barry Bitner is a machinist 2nd class at the nickel refinery. He was born and grew up in the Port, and spends a lot of his spare time at the end of a fishing pole or keeping in shape on the ball diamond. In the picture Barry is assembling one of the bearings on the flywheel shaft of the No. 3 warehouse shear. He and his wife Joanne live in Port Colborne.



*Aubrey Tuttle and Anna Langley were the two new members welcomed into the Toronto chapter. They're shown with Gerry Marsh (left), chairman of the meeting, and executive vice-president F. Foster Todd.*



## Long-Service Employees Are Lauded at Toronto Meeting

Broadly representative of Inco's Canadian operations was the gathering at the 11th annual dinner of the Toronto chapter of the Quarter Century Club, held in the Ontario Room of the Royal York Hotel on October 22.

Besides active members from the steadily growing executive and administrative staffs in the Company's Toronto offices, the get-together of 150 included many pensioner-members and their wives from Sudbury and Port Colborne residing in the Toronto area.

Executive vice-president F. Foster Todd presented gold badges to two new members of the chapter, Anna Langley and Aubrey Tuttle, and also wel-

comed eight others through transfer of membership from other chapters: Ralph Hawkins (with Inco service dating from 1935), Thompson; Louis Martel (1938), Port Colborne; Bert Souch (1934, now retired), Bruce Seli (1934), Ted Foster (1938), Karl McIntosh (1939), Gordon Colgrove (1942), and Ernest Cornford (1943), from Copper Cliff.

In his brief remarks Mr. Todd observed that in these days when the Company is making records in practically every area of its activities, it was fortunate to be able to draw on the experience and wisdom of its large proportion of long-service employees. Present day expansion, he said, was also strongly based on the

*The committee in charge of arrangements for the highly enjoyable gathering was composed of Shirley Clapper, Doug Cousins (chairman), Judy Ascher, and Sandra Drolet.*



*Juliette probably qualifies as an associate member, having sung at six Inco Quarter Century Club dinners since 1950, at Sudbury, Toronto and Port Colborne. She's still the favorite.*

*Dancing to Art Hallman's orchestra wound up the successful evening. Shown are Dorcen McIntosh and Glen Thrall.*



contribution of Inco veterans now retired.

### "Must Evolve With Times"

The program contained a message to all members of the Quarter Century Club from Henry S. Wingate, chairman and chief officer of the Company:

"This special annual occasion offers me an ideal opportunity to express to all of you — new members as well as old — my sincere appreciation of the dedication you have shown and the contributions you have made.

"Members of this and other chapters of the world-wide Quarter Century Club can take pride in the knowledge that they have been involved in the successful growth and development of International Nickel through a key period in our history. Thanks to the experience, skill and resourcefulness that you exemplify, our greatest Canadian expansion program is 'on stream'. As we look forward to its successful completion, we are also preparing to tackle important new ventures at home and abroad.

"Achieving overall objectives involves more than expansion of production and markets. Our continued success also depends on the richness of our human relations and social involvement — on meaningful communication within the Company and without. We are fully aware that we must evolve with the times, that we must combine experience and adaptability to meet the demands of this era of rapid change. These

are the foundations for success that you have helped build, and now they are needed more than ever before to enable us to meet the challenges of the future."

## The Strange Antics Of a "Psyching" Skip

There's no limit to the antics and soulful entreaties a skip won't resort to when trying to "psych" a stone into prime position in the



house, as this picture of Copper Cliff Curling Club secretary Harry Davidson indicates.

He was playing in the annual bonspiel of the accounting and purchasing departments, which was won by master curler, Teedy Leclair, and his rink of Bob Burke, Ken Smith, and Gary Hall. It was held on Grey Cup Day, allowing the boys ample time for rest and refreshment between draws when they switched from tee to tely. Fourteen rinks were entered.

## The Best Sea Cadet Corps in Canada



Lt. Cdr. John Thompson accepts the engraved naval officer's sword on behalf of the corps from Lt. Cdr. J. Jefferies, deputy secretary of the Ontario division of the Navy League.

To the 121 officers and men of the Sudbury Royal Canadian Sea Cadet Corps, "Admiral Mountbatten", 1970 will long be remembered as "the year of the awards" — they won eight!

Crowning glory came when they were presented with a hand-engraved naval officer's sword, symbolic of winning the Navy League trophy as the best sea cadet corps in Canada in 1970. Other honors included provincial awards for guard drill, trumpet band, sports and attendance (both

provincial and national). The corps also received the City of Sudbury Meritorious Award.

In his "other life", Lt. Cdr. John Thompson, commanding officer of the Admiral Mountbatten Corps, is employed as a 1st class maintenance mechanic at Inco's Copper Cliff mill; he joined the Company in 1943. He is married, with five children. A member of the Sudbury Corps since it was founded in 1943, John is entering his fifth year as commanding officer.

## Diamond Wedding of Coniston Couple



After renewing their marriage vows during a mass at St. Michael's Ukrainian Church in Coniston, 83-year-old Inco pensioner Mike Slywchuk and his wife Mary were feted at a family dinner in the church hall to mark the occasion of their 60th wedding anniversary. During the evening some 120 friends and neighbors dropped by to offer their congratulations.

Born in the Ukraine in 1887, Mike took Mary as his bride on November 16, 1910, and bade her a fond farewell in 1913 when he set out to establish a new home in Canada. Mary joined him in Montreal in 1922, and the couple moved to Coniston in 1925, the year that Mike joined the Mond Nickel Company as a bailman. He became a member of the Inco Quarter Century Club in 1951, and retired on service pension in 1952.

Their family of three all have Company connections. Son Peter is a Coniston maintenance mechanic. Both daughters are married to iron ore plant maintenance mechanics, Anne to Jack Allison and Lena to Gerald Davis. They have 15 grandchildren and two great-grandchildren.

## Appointments

By Dr. Charles O'Neill, assistant vice-president, process research, Toronto:

**T. C. Burnett**, manager, process services;

**V. Opratko**, process manager, Canada; Mr. Opratko's appointment as process engineer, hydrometallurgy, was announced in May 1970. Both he and Mr. Burnett will continue to be located at the Toronto office.

By G. R. Green, assistant general manager (mining):

**D. J. Browne**, staff geologist, Copper Cliff;

**R. Adlington**, mine geologist, Creighton No. 5 mine; he was appointed assistant mine geologist, Little Stobie, in May 1970;

**D. F. Mahaffy**, mine geologist, Murray mine, where he was appointed assistant mine geologist in May 1970;

**E. G. Wohlberg**, mine geologist, Garson mine, where he was appointed assistant mine geologist in May 1970.

### T. C. BURNETT

Thomas C. Burnett, who joined the Company at Toronto last February as a process development engineer, received his bachelor of science degree at Queen's University in 1962,



T. C. Burnett

his master's degree the following year, and his doctorate in 1965. He had been awarded several scholarships, including one from the National Research Council.

He was born at Oshawa. Prior to coming to International Nickel he had been

employed by Canadian General Electric at Peterborough, and had taught at Algonquin College at Hawkesbury, Ontario.

He was married at Orono, Ontario, in 1963 to Marlene Graham, and has three daughters. Cabinet making, photography, and non-fiction reading are his favorite relaxations.

### D. J. BROWNE

Born in London, David Browne graduated from the University of Western Ontario there in 1961



D. J. Browne

with a bachelor of science degree in geology.

During summer vacations he was employed by the provincial department of mines in the Red Lake district.

Joining International Nickel in May 1961 as a geologist at Garson mine, he left the following October to assist in the Company's exploration activities in the Solomon Islands, New Guinea, and Australia, returning in June 1967.

His marriage to Elizabeth Anne Gilbert took place at Brantford, Ontario, in 1968. He has one daughter. Boating is his chief recreation.

### Common and Rare

Of the 90-odd elements in the earth's crust, nickel ranks 24th in abundance. Yet, it is estimated that nickel ranks 11th or 12th in abundance in the cosmos.

"I wonder why Mrs. Jones always brings her knitting to our meetings."

"It gives her something to think about while she talks."



# Retired on Inco Pension

WITH 20 OR MORE YEARS OF SERVICE

## TED DANDY

Following retirement on early service pension ending a 36-year partnership with Inco, Ted Dandy has pulled up stakes and settled in Nanaimo, British Columbia.

Born in Toronto, Ted grew up in the Niagara district, and made his first contact with Inco in 1929



Mr. and Mrs. Dandy

when he was "side-tracked to Sudbury while enroute to work on the Abitibi Canyon project."

He worked at Frood for about a year, broke his service, returned to the Niagara area, and joined the Canadian army in 1939. He saw service in England, where he married Lyn Edwards, and following demobilization was employed at the Company's Acton refinery. He returned to Canada and Frood in 1947, and was a construction driller at retirement.

Ted and Mrs. Dandy who have a son and a daughter, lived at Long Lake since 1949. Ted was an active member of the Sudbury Fish and Game Club and the Power Squadron.

## EUGENIO TOSTO

A well-known high-average bowler, "Jimmy" Tosto, as he is universally known, has been sidelined by arthritis after 27 years' service at the copper refinery.

Born in Italy, he came to Canada as a boy of 10, settling with his family in Sudbury. He started at the copper refinery in 1943, and was active in organizing many sporting and social events.

His favorite sport was bowling, a recreation that held his interest for 25 years, and he was a member of several championship teams in Inco tournaments. Jimmy now devotes more time to watching televised hockey matches, and often works as a cashier at Caruso Club dances. Although himself a bachelor, he has known the responsibilities of fatherhood in that he helped raise the family of his widowed sister at his Sudbury home. His future plans include a six-month trip to Italy next year, but Sudbury will remain his home.



Jimmy Tosto

## LEO MARTIN

After 36 years with the Company, Leo Martin, a Coniston 2nd class maintenance mechanic has



Mr. and Mrs. Martin

called it a day, retiring on disability pension.

Born at Field, he worked for five years in Rouyn as a cook, came to Sudbury in 1930, and started with Inco at the Coniston smelter four years later. He worked in operations at the smelter until 1947, when he transferred to the mechanical department.

Leo married a Coniston girl, Marina Squires, in 1937. They have two children and two grandchildren. As for pastimes, both Leo and his wife enjoy playing cards; she's the cribbage champ while he does a little better at 500. The Martins will continue to reside in Coniston.

## JOHN CHWYK

John Chwyk started life as a travelling man — he was born on a train at Kenora, Ontario, while his immigrating parents were on their way out west. He grew up on his father's farm 50 miles north of Edmonton. He joined the Company at Coniston when he came east in 1942, and

John Chwyk

worked all his Inco service at the Coniston smelter. Except for one year at punching tuyeres, he was always a converter skimmer.

Enjoying good health, John spends a lot of his time fishing for pickerel on Lake Wahnapiat and gardening at his Coniston home. He is planning trips to see friends and relatives in Florida and Edmonton, and to Jamaica for Christmas.

Pauline Soroka from Ethelbert, Manitoba, who became John's wife in 1946, died in 1967. Annie, one of their four children, is married to John Swintack, a driller at Creighton No. 5 shaft.

## VICTOR DOZZI

Retiring on full service pension, Victor Dozzi has hung up his brooms at the copper refinery.

Coming from Italy in 1923, he started with Inco at Copper Cliff

smelter but broke his service soon afterward to work for nine years in a coal mine at Drumheller, Alberta. He returned in 1934 to a job in the Orford building at Copper Cliff. In 1942 he moved over to the copper refinery, where he worked some 20 years as a watchman and another six



Mr. and Mrs. Dozzi

as a janitor in the cafeteria and labs.

Vic thought Italian girls were the best, and in 1937 went back to his old home town of Pozzo to marry Caterina Piccini. They have two children.

Vic enjoys fishing for pickerel "anywhere he can catch them", and busies himself with carpentry and gardening projects at his Sudbury home. Blessed with good health, he and his wife are considering taking a short trip back to Pozzo in the near future.

## VINCENZO SALFI

"I really got a lift out of my job," quipped full service pensioner Vincenzo "Jim" Salfi when posing with his wife for the Triangle camera. Jim was referring to the fact he had spent 20 of his 33 Company years at the copper refinery as a crane operator.

Born in Italy he came to Canada in 1927, working for three years on the construction of the Welland Canal before



Mr. and Mrs. Salfi

joining Inco at the copper refinery in 1933.

New Year's Eve is doubly celebrated at the Salfi home, for it was on that day in 1932 that Jim married Teresa Benincasa at Thorold, Ontario. They both came from Mangone in the Italian province of Cosenza. A son and a daughter and four grandchildren have blessed their marriage. Jim and his wife have a trip back to Italy planned. They are both ardent gardeners, and are presently busy with renovations at their Sudbury home.

## W. G. TILSTON

Inspired by Archie Massey's contribution to Canada's foreign aid program, reported in last month's Triangle, another Inco pensioner will hit the airways January 10, bound for Nigeria.

Bill Tilston, recently retired as superintendent of Lawson Quarry, on early service pension, will spend six months managing the quarry operation that Mr. Massey organized at Abeokuta, 65 miles from Lagos. He volunteered for the assignment under the no-salary all-expense arrangement with Canadian Executive Service Overseas, and is eagerly anticipating the experience.

Born at Toronto, Bill Tilston was a school teacher before joining International Nickel in the metallurgical department at Copper Cliff in 1936. He was transferred to Lawson Quarry at Willisville in 1941, and succeeded R. G. Dow as superintendent in 1956. He was chairman of the school board, and is a member of the board of governors of Espanols General Hospital.

His marriage to Lorna Lambert took place on Christmas Day in

## Noiseless Churn Drill for Bill Tilston

Intricately complete in every detail except, happily, the pounding, clanking noise, a model churn drill carved by Creighton's famous miner-sculptor, Charles Paxy, was presented to Bill Tilston and his wife Lorna as a memento of their 14 years at Lawson Quarry. Making the presentation at a dinner party was assistant mines manager Charles Hews.





1937. Of their three children, their younger son and daughter are twins. Figuring largely in their retirement plans is their summer home at Sandfield, on Manitoulin Island.

Mr. and Mrs. Tilston are at present on a trip to California.

#### ONNI SEPPALA

With over 40 years' service, Creighton tool fitter Onni Seppala has retired on special early service pension from the Company. Onni was born at Crean Hill but moved as a child to



Mr. and Mrs. Seppala

Creighton where his father, John Seppala, worked as a powderman. Although he finished as a tool fitter, most of Onni's service was spent drifting at Creighton No. 3.

Married in 1934 at Copper Cliff to Saima Hakkarainen from Sault Ste. Marie, Onni has one daughter, Lillian, the wife of Creighton mill employee John Carbone, and three grandchildren. Hobbies for this pensioner include tinkering with small gasoline engines, keeping the family sedan in fine tune, and fishing at the cottage he built at Windy Lake in 1949.

Laid on for next year is a trip to Puerto Rico to a convention of the Lone Scouts, an organization with which he has kept in touch since boyhood. The Seppalas will reside in Waters Township.

#### FRED GOTRO

Fred Gotro was born in what is now Thunder Bay, but in 1917 moved with his family as a boy



Mr. and Mrs. Gotro

of 10 to Creighton where his father had been posted as station agent for the old Algoma Eastern Railway.

After four stints in the Creighton rockhouse as a summer student and three years as a Sudbury fireman, Fred joined the Company permanently at Creighton in 1935 during the sinking of the No. 5 shaft. Twenty years of his service were spent as a topman.

A Walford girl, Jean Budge, became his bride at Sudbury in 1931, and they have a family of three children and four grandchildren.

Fred is "just coasting right

### Creighton Machine Shop Gang Wishes Good Luck to Eddy Zanier



When Eddy Zanier's workmates in the Creighton machine shop gathered to give him a hearty sendoff at the end of his final shift, they presented him with a portable circular saw. Al Keller, who did the honors, is shown shaking hands with Eddy. The machine shop's new foreman, Art Van Allen, is standing second from the right in the middle row.

#### EDDY ZANIER

Known to many of his Creighton area friends as "Mr. Fix-it", Eddy Zanier has retired on early service pension from the Creighton machine shop. Both Eddy and his wife, the former Madeline



Mrs. Zanier

Cushnir, have had long associations with the Company. Eddy started with Inco at the age of 16, picking rock in the Creighton No. 3 rockhouse, which is now under a demolition squad's hammers. He transferred to the machine shop in 1927 and was foreman there for the last three years of his service.

Whereas Ed came to Canada in 1923 from Udine, Italy, his wife arrived here as an infant from the Ukraine. Her father, the late Mike Cushnir, worked for the Mond Nickel Company at Crean Hill and Mond, and for Inco at Creighton; he had 20 years service when he retired in 1942. Mrs. Zanier's childhood memories include travelling by stage coach to church at Victoria mine from the village of Mond, a distance of about two miles.

Planning to stay in Creighton, Eddy will now have more time to tinker with the small repairs and woodwork that he enjoys so much. Married at Sudbury in 1930, the Zaniers have three children and eight grandchildren.

#### CEC RIVARD

Cec Rivard's involvement with the nickel industry goes right back to 1924, when he worked for five months at the Murray Mine property of the old British American Nickel Company, near the present Murray Mine. When that operation shut down, he then worked as a diamond drill oper-

ator and carpenter in the Sudbury area until joining Inco in 1935 at the Copper Cliff carpenter shop.



Mr. and Mrs. Rivard

He transferred to the Copper Cliff mill where he was a carpenter leader for 25 years.

Cec was married to Liliane Charbonneau in Blezard Valley in 1933. Of their two children, Larry is a plateworker helper underground at Frood.

Most of Cec's spare time has been taken up by his Clearwater Lake summer cottage, which he is turning into a permanent residence, so his four grandchildren will be visiting Grandpa the year 'round now. On his last day at work several of his workmates presented Cec with a toolbox. Inside he found the most versatile tool of all — a good fat bundle of cash.

#### GRANT MORRISON

Grant "Digger" Morrison can say in all honesty that living in



Mr. and Mrs. Morrison

Garson is "for the birds". And hundreds of winged creatures (Continued on Page 22)

# Retired on Inco Pension

WITH 20 OR MORE YEARS OF SERVICE

(Continued from Page 21)

often have him to thank for their next meal—Digger's favorite hobby is building bird feeding stations.

Before coming to Inco in 1946, he worked in textile mills in the Peterboro area and as a painter for Falconbridge for 11 years.

Born in Brighton, near Trenton, he married a Toronto-born girl, Mary Fairman, at Campbellford in 1932. Douglas, one of their three children, is a hoistman at No. 3 shaft in Garson. When the whole family gets together, eight grandchildren stand up to be counted.

Digger spent all his Company years at Garson, working mostly on the motor crews and construction. On full service pension, he is in good health; he and his wife are in full agreement about continuing to be "for the birds" in Garson.

## ROLAND CHARTRAND

Roly Chartrand's family name is well known around his Chelmsford birthplace and at Inco as well, for he is only one of a family of 14 children. And even though he has retired from the Company on disability pension, four of his brothers are still on the Inco payroll: Omer is a conveyorman on the Copper Cliff smelter nickel reverbs, and Albert



Roland Chartrand

(Joe) works on surface at Frood, while brothers Aurel and Paul are at Levack mine, the former as a trackman and the latter as a burner in the plate shop.

Roly himself was a trackman at Frood where he remained throughout his 20-year Company service. Slowed down by four heart attacks since 1962, Roly decided to follow his doctor's advice and call it a day with Inco. A bachelor, he plans to spend his time visiting his many relatives near his Chelmsford home and taking care of his 74-year-old mother, who also resides in Chelmsford.

## "MATTY" METHE

Oswald Methe, better known as Matty, has worked on both ends of the nickel production business. Between 1938 and 1947, he was employed by a diamond-drilling company looking for nickel in the Sudbury area, and then for 16 of his 23 Inco years he was a pumpman on the tailings line disposing of waste materials from the Copper Cliff concentrator.

Matty was born in Chelmsford and grew up on the family farm. A Blezard Valley girl, Leonide Rainville, became his wife in



Mr. and Mrs. Methe

1943. Of their five children, two are Inco employees: Gilles is following in his dad's footsteps and works as a pumpman in the Levack mill, while George works in the Copper Cliff smelter. Two grandchildren make up the latest Methe generation.

On a disability pension as a result of a partial paralysis of his left side, Matty tires quite easily but enjoys reading periodicals and watching television. The Methes will continue living in Chelmsford.

## JOHN HAMILTON

John Hamilton is a local product from so far back that he was a charter member of the Copper Cliff Highland Cadet Corps, founded in 1918 when he was 13.

Born in Copper Cliff, he was a salesman in Northern Ontario for some 15 years in the wholesale grocery trade before joining the Company in 1939.

He worked all his Inco years in the Copper Cliff smelter, and was a shipping boss in the fluid bed roaster department from 1963 until his retirement. John was married in Sudbury in 1932 to Peggy Ledingham, who died in 1969. He has two married daughters. John is enjoying "100%" health and is looking forward to a retirement of relaxation and travel. He will continue to reside in Sudbury.

## GEORGE QUIGLEY

When George Quigley came to Inco in 1936, the underground workings at Frood were not en-



Mr. and Mrs. Quigley

tirely new to him, for he had been employed for seven years in a coal mine at his home town of Inverness, Nova Scotia. From 1942 on, he worked at Inco's pit

mining operations in the Sudbury area, first at the Frood pit for 18 years, then the Ellen, Clara-belle and finally the Murray pit for the last two years; he was a shift boss during 20 years of his service.

In 1950, he married Betty Williams, a Winnipegger who grew up in Toronto. They have one son.

George never did get the salt

water out of his blood. He and his wife spent three months this fall in Nova Scotia visiting his two brothers there, and the bit of land that he now has in his native province might well become a retirement home for him and his wife. Wherever they choose to reside, George plans to do a lot more fishing and swimming when weather permits.

## Earl Wilson and "Winnipeg" Romagna Honored



Sharing a grand total of 148 years of service with Inco, four Company pensioners were honored by close to 600 associates and friends at the annual banquet held by nickel and copper reverber departments No. 1 shift retirement fund group.

The function took place at the Sudbury Mine Mill hall and the four pensioners were each presented with a purse, a walnut plaque bearing a stainless steel plate recording their service, and a hard hat sporting the signatures of fellow employees with whom they worked.

Shown above are assistant to the general manager R. R. Saddington, who thanked and congratulated the men on behalf of the Company, Mary and Earl Wilson, "Winnipeg" Romagna with his wife Emma, and reverber department superintendent Bob Neal. The other two pensioners honored during the evening were Steve Fadock and Johnny Cecchetto, whose retirements were reported in an earlier issue of the Triangle.

## EARL WILSON

Very proud of his long Inco career which spanned 40 years at Copper Cliff, Earl Wilson would have tacked on another six years had he not left the Company in 1924 after one year of tending the reverber building wedge furnaces. He tried his hand at the grocery business, but after deciding that he "liked Inco better", returned to the smelter in 1929.

A native of French River, Earl worked as a reverber department shift boss for the 16 years preceding his retirement on early service pension.

Mary Moxam exchanged marriage vows with Earl in Sudbury in 1928. Their son David is a

shift boss at Crean Hill. Daughter Maureen—an ex-Incoite—was a nurse at both the Copper Cliff Hospital and the Lively medical centre.

Preparing for his retirement, Earl built a fine new home on Laura Avenue in Waters Township in 1969. Now declaring himself "a man of leisure", he will be spending his unhurried days landscaping around his house and relaxing at his summer home on Long Lake.

## EVARISTO ROMAGNA

"Call me 'Winnipeg'," said early service pensioner Evaristo Romagna, "that's the nickname that general foreman Joe Workman gave me when I started with the reverber department at the smelter back in 1933, and it stuck during all of my 37 Inco years."

Born in Fano, Italy, "Winnipeg" came to Canada with his parents in 1913, grew up in Montreal and High Falls, and made his first contact with the nickel industry as a 14-year-old rock-picker at Worthington mine in 1923. He joined the Company at Copper Cliff in 1929, left to work on construction of Inco's new concentrator and brick stack, and returned to the fold in the reverber building in 1933. He moved over to the coal plant in 1935, and has worked there as a shift boss since 1952.

His marriage to Emma Piccolo took place in Sudbury in 1930. They have a family of three and six grandchildren.

Warned by a heart bump some years ago, "Winnipeg" is behaving according to doctor's orders and will be taking things "real easy" at the comfortable home in Gatchell where he and his wife have lived since 1958.



## Suzanne Guerin's Health a Wondrous Christmas Gift

"Mom," elatedly said Suzanne Guerin one day a couple of months ago, "I've never felt so well in my life before!"

How very true was that happy remark, because it has been only during the past year that Suzanne has known what it's like to feel really well. Her first 16 years became an almost unbelievable succession of examinations, major surgery, steel braces, full body casts, and confinement to bed.

She was admitted to the Hospital for Sick Children at Toronto a total of more than 20 times, for periods ranging from one week to several months. There was pain a youngster shouldn't have to bear — long nagging weeks on end of it, over and over. And there was denial of those joyful, carefree times that normally are the intrinsic right of childhood.

Yet today Suzanne Guerin is a lovely young lady, sparkling with enthusiasm and eagerly looking forward to training as a registered nursing assistant so she can give to others some of the tender care and kindness that have been lavished on her. Through it all, never losing courage or determination, she has managed to keep up with her studies so well that she hopes to graduate from Grade 12 next June. She will be 18 in January.

How about that for a "success story" in the face of often seemingly hopeless odds?

### Like an Endless Nightmare

Just as deeply grateful as Suzanne are her parents, Gerry and Jeannette Guerin, of Sunnysbrae Street, Sudbury, and their other two daughters and two sons. Mr. Guerin is a welder in the plate shop at Copper Cliff with over 20 years of Inco service.



Well and happy at long last.

"Many times it was like a nightmare that would never end," said her mother. "All we could do was hope and pray. We had to make sacrifices, of course, but these were nothing compared to the wonderful help we were given. It would have been impossible to carry it by ourselves."

Suzanne's trouble started when, at the age of seven months, she had pneumonia which was followed by empyema — an abscess in her chest. This had to be drained surgically by removing a portion of rib. As a result, three years later, she began to develop some deformity of her spine.

"This was an extremely unusual occurrence," says Dr. Brent Hazlewood, Inco chief surgeon. "When Suzanne came under my care in 1958, she had been growing quite quickly and had a fairly severe spine deformity, with a high shoulder on one side and fixation of her chest."

After preliminary physiotherapy

produced only limited results, she was taken to the consultant clinic held each spring at the Sudbury General Hospital under the volunteer auspices of the Sudbury District Medical Society, with full co-operation from the Ontario Society for Crippled Children, and financial aid from the Sudbury Rotary Club's Easter Seal campaign generously supported by the public.

### A Fateful Diagnosis

At the clinic, which Susan was to attend many times in the years ahead, Dr. R. B. Salter of Toronto confirmed Dr. Hazlewood's diagnosis of thorogenic scoliosis, which in layman's terms means an "S" curvature of her spine, due to her chest problem in infancy. It was realized that a long and arduous course of treatment lay ahead of the little girl, involving frequent surgery and eventual fusing of her spine when she was sufficiently grown.

When she was first admitted to the famous and blessed Hospital for Sick Children, at the age of six, for painful treatment in traction, she promptly held up the program by developing chicken pox! (There's a woman for you, every time.)

Suzanne was placed in a plaster jacket and fitted with a gigantic brace made of steel and leather, which had to be adjusted at six-month intervals with accompanying replacement of the rigid body cast. Her mother accompanied her on all her trips to Toronto, but usually of course had to return to look after the rest of her family.

Three years later, in 1962, she underwent fusion of the upper portion of her spine, using long rods of nickel stainless steel which extended beneath her skin from the nape of her neck to her hip region. Following steady further treatment, including surgery, a very rare two-stage operation was

performed in 1968 to remove the rods and correct the remaining curve in her spine, after which she again went back into a full body cast.

### "Gee, Mom, I'm Lucky"

Seeing the plight of other youngsters at the marvellous Crippled Children's Centre at Toronto, Suzanne exclaimed to her mother, "Gee, Mom, I'm really lucky. I can walk."

In February of last year one more serious operation had to be performed. After convalescence Dr. John Hall noted that her spine was "nice and straight". Her strength returned, and on the night she was discharged he reported that "she was dancing the bugaloo with great élan".

Suzanne returns to Toronto late this month for her final checkup, and the result is almost certain to be a very special Christmas present for one and all.

Thinking aloud back over the years of worry and anxiety her dad, a quiet, good man to whom his family comes first, said finally, "I thank my lucky stars I worked for Inco. Otherwise I would have been bankrupt for the rest of my life. All that expense, running into thousands upon thousands of dollars! Absolutely out of sight for a working man." He slowly shook his head.

As an Inco employee Gerry had full coverage of medical and hospital care for all the family. Under its major medical plan the Company originally paid half of the nominal monthly fee for this security, Gerry the other half. Despite zooming costs the Company has gradually increased its share of the fee until today it pays the entire expense of this umbrella of protection for all its employees, including drugs.

The back door opened and Suzanne's older brother Gerard came in. He had slipped out during our visit with the Guerin family to put another flood on the rink he is making in their yard.

"I hope it freezes hard tonight, Gerry," said his smiling sister, "I can hardly wait to try skating."

It was a moment to laugh, from sheer gratitude and relief, and everybody joined in. There are many moments like that in the Guerin home these days.

"God bless us, every one."

### Oldest Pensioner Dies

International Nickel's oldest living pensioner, Judson Webb, died peacefully in his sleep early on December 3, at the home of his niece, Evelyn Scharf, and her husband Bernie.

Mr. Webb, affectionally known to the Scharfs and a wide circle of relatives and old friends as "Uncle Jud", retained his remarkable faculties and bright sense of humor until the end.

He celebrated his 102nd birthday on July 6.



Suzanne and Gerard give out with a rollicking French-Canadian folk song, accompanied by some snappy strumming on the guitars, to the obvious enjoyment of their parents and the younger set of the family. Marianne, 10, and Andre, 5. Another daughter, Rita (Mrs. Norman Lebrun), is a nurse in North Bay.



