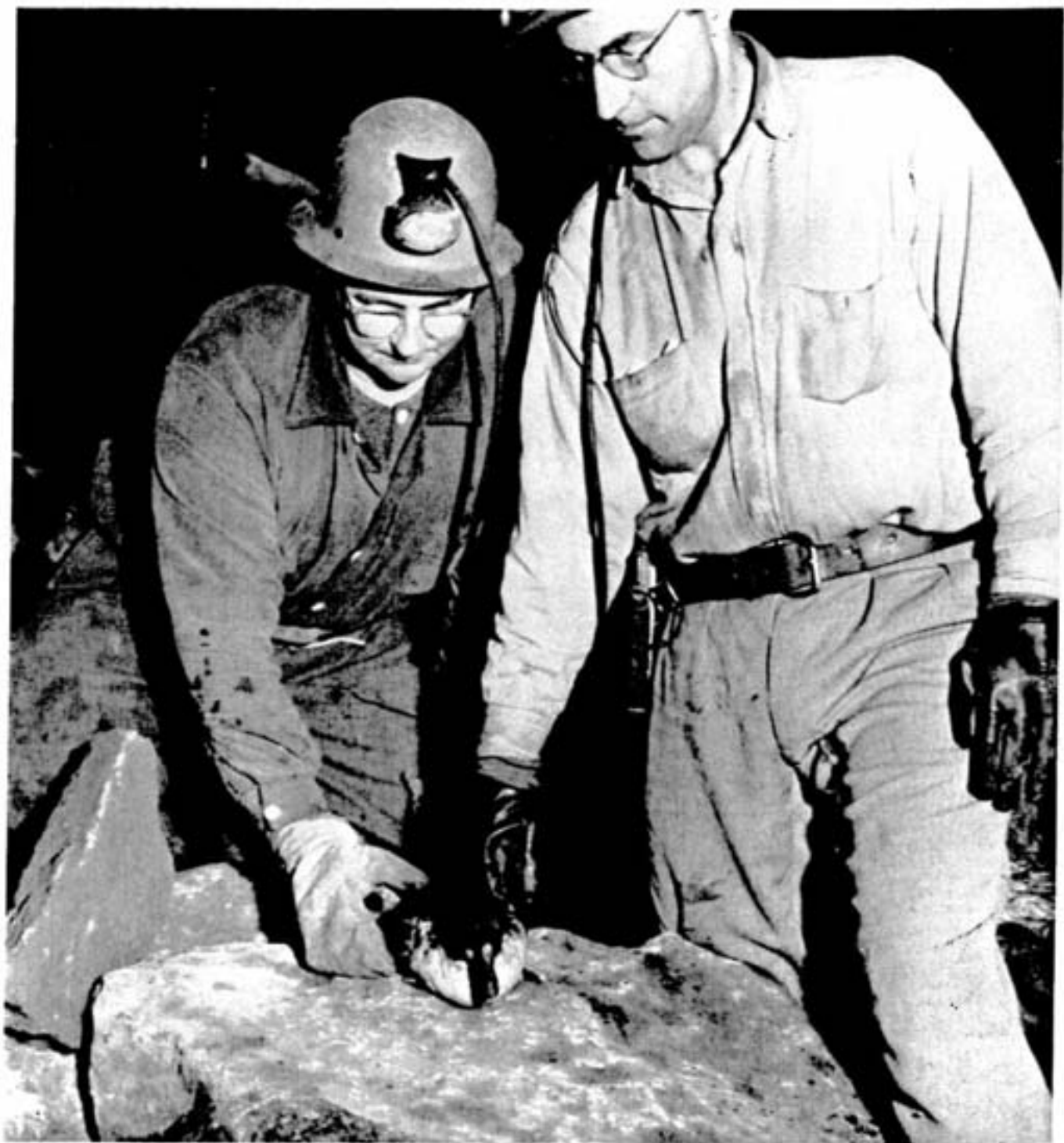


INCO TRIANGLE

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Very Unexpected Visitor

(Story on Page 13)



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News About The Company

- Underground development at Inco mines in Ontario and Manitoba now totals over 522 miles.
- A large rolling mill and a forging press are being installed at Huntington, a two-year project.
- In the United Kingdom work continues on the concentration of all extrusion and rolling mill activities at Hereford.
- Inco's world exploration program includes Guatemala, the British Solomon Islands, Australia, New Zealand, Australian New Guinea, Indonesia, and Africa.
- Of the Company's 27,668 employees at the year-end, 17,223 were in Canada.

• The long-range prospects for greatly enlarged consumption of nickel in the free world are excellent.

These and many other news items about the Company of special interest to employees are contained in the annual report for 1962, issued recently over the signatures of Henry S. Wingate, chairman of the board, and J. Roy Gordon, president.

Here are some excerpts from the report:

Mines

Total ore production from our mines in Ontario and Manitoba during 1962 amounted to 13,794,000 short tons. This compares with 17,480,000 short tons in 1961.

In the Autumn of 1962 a curtailment in production in our mines and plants in Canada was made in order to conform with market requirements. As a result a substantial layoff of employees was necessary at our operations in the Sudbury District and at our Port Colborne refinery. A similar lowering of production at Thompson was accomplished without a layoff of personnel by limiting the hiring of new employees.

Development was continued at our Creighton, Garson and Murray mines to provide access to lower horizons preparatory to deep level exploration. At the Copper Cliff North mine, the sinking of a 3,000-foot shaft was continued throughout the year and at year-end a depth of 2,105 feet had been reached. Our new operation at the Clarabelle open pit mine reached its scheduled capacity during the second quarter of 1962. Production from our Ellen open pit mine has been suspended.

Large scale tests at Frood mine, under practical working conditions, were conducted on water-borne sand fill stabilized with small additions of Portland cement. The use of this self-

supporting cemented sand fill has been adapted to our operations and is expected to result in substantial economies in timber requirements, decreased dilution of ore, and greater flexibility in mining methods.

The use of a mixture of ammonium nitrate and fuel oil as a blasting agent, replacing high explosives, was extended to all of our mining operations in the Sudbury District. This has resulted in a substantial reduction in the cost of mine explosives.

At Thompson, preparation of the site for the sinking of a second production shaft and for the necessary surface plant was commenced. This new shaft, which will be sunk to the 2,400-foot level, is a part of mine development to prepare additional ore zones for future production.

At year-end underground development in our operating mines in Ontario and Manitoba had reached a cumulative total of 2,756,000 feet or about 522 miles.

Ore Reserves

The proven ore reserves of the Company's Sudbury District and Manitoba mines increased during the year and at December 31, 1962 stood at 299,416,000 short tons, with a nickel-copper content of 9,096,300 short tons. At the end of 1961, the

proven ore reserves stood at 297,419,000 short tons, with a nickel-copper content of 8,937,300 short tons.

Plant and Process Improvements

During the year, through process and other changes the capacity of our new nickel operation at Thompson, Manitoba was raised from 75,000,000 pounds of refined nickel per year to over 90,000,000 pounds. This brought International Nickel's total capacity from its facilities in the Sudbury District of Ontario and at Thompson to fully 400,000,000 pounds of nickel annually.

Construction of the expansion of our iron ore recovery plant at Copper Cliff progressed favorably. This major project was started in 1961 and involves an estimated capital outlay of \$50,000,000. The first of the four new units of the plant is scheduled for operation in March, 1963 and additional units by July, 1963. Canadian Industries Limited is also acquiring additional facilities to increase their output of sulphuric acid produced from the gas generated by the plant's pyrrhotite roasters.

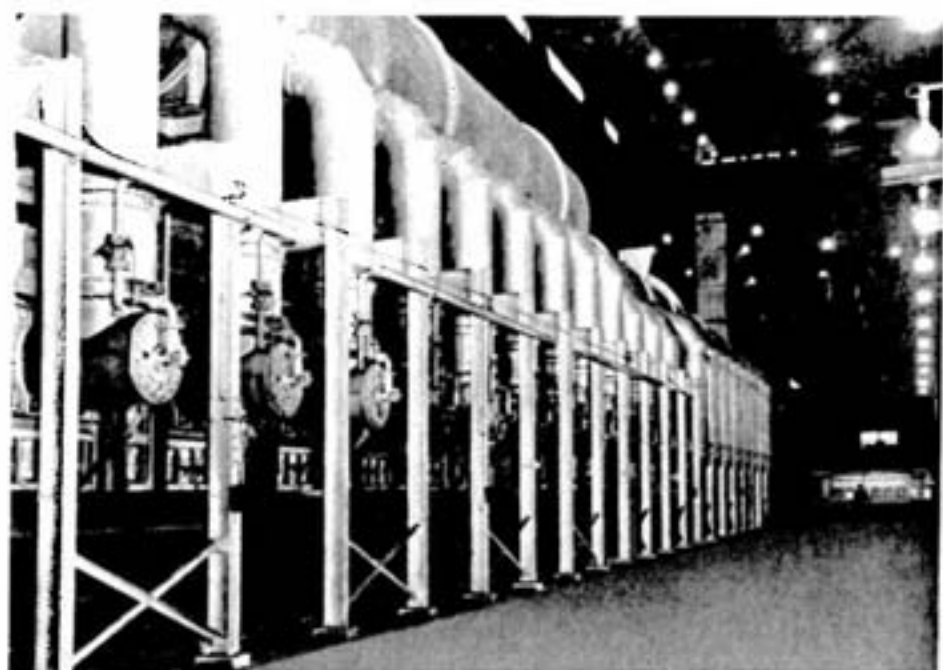
During the year construction was completed on facilities providing a new supply of potable water for the Copper Cliff area.

hits 2,400 deg. F. and finally they pass through the cooling zone before being discharged.

Instrumentation plays a big role in the operation of this massive machine. Temperatures, windbox pressures, drafts, etc., are all recorded at the control centre seen far down on the right, where any deviation from pre-set norms is immediately signalled for correction by the operator.

The "torpedo tubes" along the sides of the machine are the natural gas burners, which can be converted to oil.

Temperature Hits 2,400 Degrees in This 270-Foot Oven



A major installation in the \$50,000,000 expansion of the Iron Ore Plant at Copper Cliff is this travelling grate machine in which the iron ore pellets are fired. It has a capacity of 2,000 long tons per day, 500 tons more than the machine in the original plant.

The picture looks toward the feed end of the 270-ft. machine, where "green" pellets from the balling discs enter the drying zone. Travelling 20 in. deep on an 8-ft. grate at an average speed of 30 in. per minute the dried pellets then enter the machine's firing zone, where the temperature

resulting in an increase in the reliability of the water supply and in substantial savings in steam production costs at the iron ore recovery plant, the Copper Cliff smelter and the copper refinery. At the Copper Cliff mill, work continued on modernizing the flotation section and providing increased capacity for pyrrhotite recovery.

The Company continued to operate its research stations at Port Colborne for the development of new and more economic processes for the treatment of ores and intermediate products.

At Thompson, three electric steam generators were installed in the power house. Operating on off-peak power, they will partly replace less economical oil-fired installations.

In the United Kingdom a new facility operating on a bacteriological system for the treatment of liquid effluent from gas producing equipment was completed at Clydach. This facility achieves our long-sought objective to eliminate pollution of the River Tawe by our industrial wastes. Also at Clydach, new plants were constructed for the production of nickel chloride and the recovery of cobalt from plant residues. At the Acton precious metals refinery a fully automatic X-ray spectrograph was in-

(Continued on Page 14)

SHE SHOOT! SHE SCORES!

Levack's supercharged sports mill has produced a new feature this season, ladies' hockey, and it's going over big too.

Some of the gals claim they outdraw the Huskies, a view not shared by members of that high-scoring intermediate team, but one

Sunday a week or so ago the ladies played a short game before the regular Huskies' match and one of the season's largest crowds packed the arena. So?

It all started when a few mothers, taunted by remarks from their hockey-playing sons, decided

to show the boys that Mom is not just a household fixture. The idea was popular and two teams were formed, Newtown and First Avenue. Play in the regular Monday afternoon games, though keen, is good natured and often amusing; Phillip Raymond, who coaches the First Avenue ladies, recounted how in one game as the puck carrier swooped in on goal and met the

opposition defense, she recognized a friend she hadn't seen for some time, promptly started a "What are you doing here?" conversation, the puck forgotten.

At present the teams are restricted to married women, a rule that may be relaxed another year when they hope to get their own uniforms, produce an all-star team and challenge the district.



Action at the goal mouth: goaltender Aline Brunelle didn't have too much to worry about on this shot but other rushes came much closer to the mark. Others in the picture are Doris Raymond, Aline Brideau, Annie Maryschuk, Irene Mazur (making the shot) and Jean Parker at extreme right.



Coach Phillip Raymond is pictured here with his First Avenue team of (back row) Doris Raymond, Bernice O'Connor, Georgette Butternorth, Bea Smith and Helen Brown and (front row) Annie Maryschuk, Sheila Cucksey, Aline Brunelle, Perky Lelno and Evelyn Villemere.



Newtown coach Lorraine Farrow left with her team of (back row) Maizie Hanson, Norma Kemp, Irene Mazur, Viola O'Bunsawin and Freida Kavaluk, and (front row) Loise Vezau, Mary Benoit, Aline Brideau and Jean Parker.

Thompson Firefighters Attend Special Classes



Special classes in artificial respiration have been held for members of the Thompson fire brigade as part of the plant's overall safety program. Picture shows a group of the firefighters watching a demonstration by safety engineer Bob Hartley, with Clarence Perry, a first aid instructor, as the patient. Brigade members shown are, front, Richard Sauve, George Hummel, Gordon Ferguson, Nick Petroff, Govert Van der Kooy, Ron Lucas; back, Steve Balesok, Delbert Bailey, Hugh Winter, Semen Dobniak, and assistant fire chief Frank Montelth. The 26 other members of the brigade attended similar classes.

AIME Honors Inco Scientists



Presentation of the Best Paper Award in the extractive metallurgical division of the American Institute of Mining, Metallurgical and Petroleum Engineers was made at the 92nd annual meeting of the AIME in Dallas, Texas, in February. Three Inco scientists authored the paper on "Treatment of Nickel-Copper Matte." Shown as they received the distinguished citation from Bruce W. Ganzer, chairman of the award committee, are, from the left, G. Alan Harcourt, assistant to the vice-president, Copper Cliff; Louis S. Renzoni, manager of process research (Canada), Toronto, and Mrs. Phyllis Sproule, on behalf of her husband, William K. (Kel) Sproule, consulting metallurgist with the development and research department, New York, who died in 1961.

"Practically an epidemic"



With over 1,300 people taking part in 22 different leagues, bowling has boomed into Thompson's biggest participation sport.

Ever since they were opened last fall, Jack Mutter's 12-lane bowling alleys have been going steadily from 10 in the morning until midnight. It's very seldom the casual drop-in bowler would find an alley open — they're usually booked solid for scheduled league games.

Jack Mutter, who came from Brandon, gambled quite an investment in Thompson — a dozen of

Thompson Goes All-Out for Bowling

the best alleys he could buy, with automatic pinsetters, lots of light, and plenty of creature comforts for the players. It turned out to have been no gamble at all — the joint has been jumping ever since he turned the key.

One of the most hotly contested leagues is the IMC loop, which gets its name from the first letters of Inco, Metro, and Crawley. International Nickel, Metropolitan Police, and Crawley-McCracken,

The IMC league was in action the night the Triangle camera visited the alleys, and some of its players are seen in the accompanying photographs. Rudy Faye, the league president, and Vern Harder, secretary, are both among the top scorers. Charlie Bergen is vice-president, and Jim Androschoff chairman.

Top team at that stage of the season was Rudy Faye's Electros, with Bob Turritt's Headhunters

breathing down their necks. Bob had the high individual score of the season so far, 330.

Ken McDonald, almost as enthusiastic a bowler as he is a soccer devotee, gave a heap of credit to the officials who got this league going. "They had to put in a lot of old-fashioned legwork to get around the camp and line up fellows who weren't bowling because they didn't belong to any of the town's regular organizations. Their efforts have paid off in one of the best leagues of all."



INCO FAMILY ALBUM



LEVACK: Bob Armstrong claims Levack is a great town for children, and with a family of 10 he could be considered an authority. He is pictured with his wife Loretta and Linda, 14, Tony, 12, Terry, 11, John, 10, Robert, 8, Peggy, 7, Patricia, 6, Mary, 4, Ronald, 3, and Ann, 1. A driller at Levack, Bob has been an Inco man since 1959.



CONISTON: This pair of cute youngsters have a pair of proud parents in Graham and Bette Byers. Young Mark, 7, and baby Jane, 7 months, are perfect picture material for their camera-handy daddy. Graham is process engineer at Coniston.

CREIGHTON: Mike Petryshen, a construction leader at 8 shaft, is shown below with his wife and their attractive family. Claudia, 10, Kenneth, 12, and Maxine, 8. They're already looking forward to opening their camp at Birch Lake.



PORT COLBORNE: Here are Mr. and Mrs. Hugh Garven with Hugh, 4, Margaret, 2, and Sheila, 1. Hugh is assistant superintendent of the Nickel Refinery research station. He was formerly on research at Copper Cliff, having been with Inco for 13 years. Hugh and his wife are square dance enthusiasts.

COPPER CLIFF: Our Copper Cliff family this month is Lewis Squirell, his wife Marie, and 5-year-old Janice. Lewis is a mason at Copper Cliff and has been with that gang most of his 11 Inco years. He enjoys gardening but doesn't try to compete with his brother Bert of Lively.

FROOD: A recent Frood pensioner, Joe Muzzia was mighty happy one weekend when all his family were together and this picture was taken. Grouped around Joe and Mrs. Muzzia are Father Michael of Toronto, Julie, whose husband Morris Wojcik is a Stobie man, Eleanor (Mrs. F. Williams) of Sudbury, Lucy (Mrs. S. Frost) of Trenton, Diane, 18, Michael, 16, and Sylvia, 14, all at home.





With natural charm and grace, and a musician's touch that drew warm praise from the adjudicator, Irene Rybsky played Mozart's "Minuet and Trio" to win Class 219, violin solo, under 13 years. Her accompanist was Marilyn Shields.



How angelic small boys can look when raising their voices in song! Who could ever suspect them of shenanigans? These lads are part of the Copper Cliff Public School boys' chorus, singing "The King's Men" under the baton of Miss Hazel Varey.

Big Talent, Small Crowds at 1963 Festival

To be a winner in the annual Sudbury Music Festival it may not be absolutely necessary to have a father who is a first aid man, but it certainly seems to help.

Ina Rae, Lynne and Rhonda Armitage this year won three trophies and a scholarship. Their dad, Toby Armitage, is a first aid man at Stobie mine. And Richard Perras, who picked off a trophy and a scholarship, is the son of Joffre Perras, a first aid man at Copper Cliff.

One department in which the Festival really needed first aid, in large doses, was in the interest shown by parents, friends, and the general public. Attendance on the whole was woefully weak, resulting in only lukewarm encouragement to the young per-

formers and a \$2,000 cash deficit for the sponsoring Kiwanis Clubs of Sudbury and Lockerby.

But in other invaluable ways, such as the number of entries and the calibre of the musicianship, the Festival needed no first aid at all — it was a vigorous, pulsating success.

The Kiwanians, who sponsor the Festival in conjunction with the Sudbury branch of Ontario Registered Music Teachers' Association, proudly said the number of entries was the biggest ever — over 800, involving more than 5000 performers.

The biggest per-capita accordion group in Canada, and probably the best, swelled the Festival ranks with enthusiasm and sound.



1. Coniston's Michael Pare looks every bit the young virtuoso as he plays a selection from Bach in the piano solo class under 16. 2. Little Sandia Sydor was one of the youngest contestants in the accordion classes, in which the entry was heavy. 3. The two British adjudicators, Guy Jonson

and Alec Redshaw, whose tact and wit won friends whether they were praising or criticizing, are shown as they enjoyed a cup of coffee during a morning intermission. 4. Rhonda Armitage was a trophy winner on the French horn; her sisters Ina Rae and Lynne, also won trophies.



1. Nothing less than a world champion accordionist was good enough for the 1963 Festival. On the left here is Sudbury's own charming Iona Reed, shown as she performed with the Prom Senior Symphony, which was given an unprecedented "absolute perfection" rating by the two British adjudicators. 2. Choirs listened closely to the performances of their competitors and warmly applauded. An outstanding feature of the

Festival is the atmosphere of friendly competition. 3. Dozens of trophies as well as a long list of scholarships were awarded at the Festival. Here, checking the "history" of a trophy, are three of the Festival's hard workers, Jack Latreille and Connie Garrau, both Kiwanians, and Mrs. Wally Cook, wife of the Sudbury Kiwanis Club president.



Top prize of the Festival, the International Nickel Company \$250 scholarship, was presented by Alex Godfrey, assistant to the vice-president, to Peter Kusniskis. The influence of the Festival in fostering the cultural growth of the community was praised by Mr. Godfrey, who warmly commended all who helped stage it and all who took part.

prompting many to recall the Festival of not so many years ago when there was just one lone accordion entry and it was regarded more or less as a "stranger in Paradise".

The accordions this year won the most lavish praise in the 18-year history of the Festival. "We have heard here tonight, music played to absolute perfection," said the two British adjudicators, Guy Jonson and Alex Redshaw, after the Prom Senior Symphony had played Lustspiel Overture and Tchaikovsky's Marche Slav. "This



Richard Ferras is shown as he competed in the senior trumpet solo class. He won it and a \$50 scholarship.



Colleen Orr, whose musicianship received high praise from her adjudicator, was awarded the Falconbridge Nickel Mines scholarship of \$100, presented to her by Falcon representative A. Kerr. On the right is one of the hundreds of budding young musicians who bravely entered the lists and helped make the Festival a great success. This is Billy Podobsky, playing "Starlight the Pony" in the piano class under 6 years, and he did just fine.



Peter Kusniskis, the Inco scholarship winner, is a member of the Prom Senior Symphony. He is 16, and attends St. Charles College. He is the son of Alex Kusniskis, an Inco employee at Copper Cliff.



was perfection, and you simply can't mark perfection, so let's call it X and give them the trophy." Mr. Redshaw called the Prom Symphony conductor and teacher, to the dais and said, "Let me shake the hand of a real artist. Only once, back in 1937, have I heard music played to such outstanding perfection."

There were 138 school choirs in the 1963 Festival, 40 more than last year. For the first time the school choirs were adjudicated by a Canadian musician, Eldon Erethour of Toronto. Sudbury and district school choirs, he declared, were just as good as any he had heard in Canada, and in some cases better.

Many trophies and almost \$1,000 in cash scholarships were presented to the Festival winners. A new scholarship of \$75, in memory of the late Mrs. Rose Ferras, was presented by her daughter, Mrs. Naomi Rysky, to its first winner, Diane Mielty. Another new scholarship of \$50 in memory of the late Dr. A. E. Morgan, was awarded by his son, Dr. Roger Morgan, to Billy Charland.

Joseph Rubic

A miner for 51 of his 69 years, Joe Rubic has retired from Murray on service pension. Employed by Inco during the war years Joe completed his required 20 years service this summer.

A shaft miner most of his life, mining and Joe were meant for each other. "I wish I were 10 years younger," he said. "I'd never leave the shaft." The last few years he has worked as shaft inspector at Murray.

Leaving his native Croatia Joe joined his brother at Cobalt in 1911 and too young to get a job in the mines helped build the T. & N.O. Railway, then worked hauling timber to rebuild the Dome mine which was destroyed in the great forest fire of that year.

Returning to Cobalt a few months later he got a job and worked in mines there until most of them closed down in 1917. From there Joe sampled mining at many locations, the O'Brien at Gowanda, the Hollinger and a number of smaller properties.

"I did a lot of shaft sinking in those days," he recalled. Before coming to Inco he had worked over 14 years around Schumacher, mostly at Consaurum.

He drove raises at Frood until Stobie no. 7 shaft was collared, then moved over and helped sink that shaft to its 3000-foot depth. Then came Garcon no. 2 shaft and when that was done he sank shaft at Murray. A shaft leader many years, Joe is proud of his safety record.

"This is a good Company to work for," Joe declared. "I worked my first shift for Harry Smith and finished up working for him and I'll tell you that you won't find a better man to work for."

Joe married Julia Ostovich in 1922 and they have one daughter, Agnes, married to Bob Kolar of

Copper Cliff, two sons Larry and Ronnie, and six grandchildren.

Still lean and limber, Joe keeps busy around his home, the garden and his son Larry's body repair shop. "But best of all," he smilingly stated, "I liked being a miner."

Raymond Minor

Raymond Minor has retired from the Port Colborne plant on disability pension, due to a heart condition. He was born in Sherbrooke Township and has lived there all his life. On leaving school he worked for his father on the farm until 1917 when he donned khaki and sailed overseas with the Central Ontario Battalion to join the 8th Battalion, better known as the Black Devils.

On his return home he bought the land adjoining his father's farm. In the Second War when the RCAP had their training camp at Dunnville, Raymond's land was leased by the Government for target and bombing practice. In 1945 he started to work in the Refinery



Mr. and Mrs. Minor

and for 17 years has been an employee of exemplary qualities. He has been floorman, furnace helper, electric furnace operator and charge mixer in no. 4 building during this time, and his superintendent, Norm Hillier, said, "Raymond Minor is one of the best all-round workmen I know. He is dependable, responsible and cheerful in all his duties." At a gathering in no. 4 building he was presented with a wrist watch as a token of respect and esteem by his fellow workers.

James H. Walter, assistant manager, made the presentation and thanked Raymond for his faithful service, with the wish that with a more leisurely life he would return to good health and enjoy his retirement for a long, long time.

In 1921 Raymond married Olivia Speck who also was born in Sherbrooke Township.

Mrs. Minor was the recipient of a bouquet of roses from Raymond's friends.

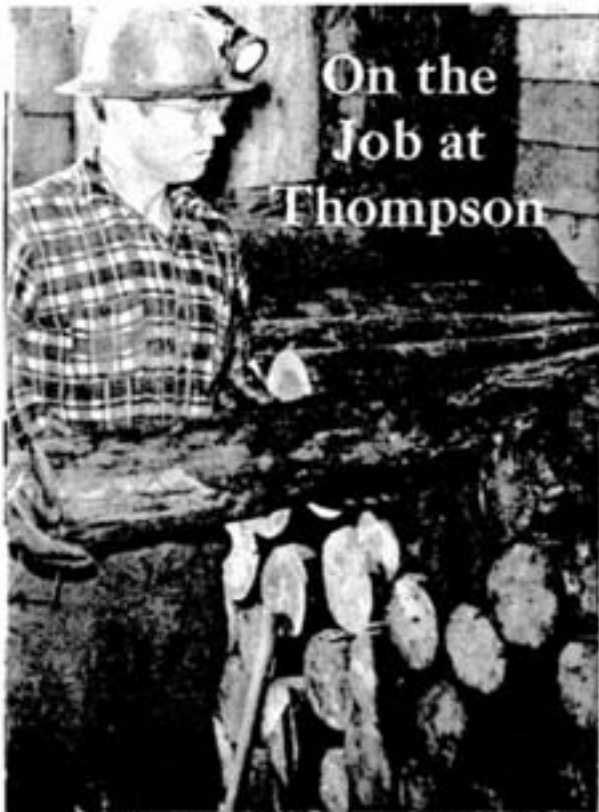
BROADWAY YARDSTICK

A scientist developed a remarkable chicken that could talk and do most things human beings could. Needing some money, he took his chicken to a Broadway theatrical manager and told of his chicken's talents, suggesting she would be a hit on the stage.

He gave a demonstration, having the chicken recite poems from Keats and Shelley, sing a medley of songs from the latest Broadway hit, and perform some card tricks. "Well, what do you think of her?" the owner asked as the chicken concluded its routine.

"I don't know," the manager said, shifting his cigar. "Let me see her legs."

On the Job at Thompson



As "international" as the name of the Company they work for are the employees at Inco's great Thompson plant, second in size only to Sudbury District among the world's nickel producers. Here is the third picture roundup in our series of three showing some of the Thompson employees who have come from near and far to the new mining metropolis in northern Manitoba. ABOVE, lining a chute with round logs, is mine timberman Lauri Panula, who came from Finland, started to work at Thompson in July 1961.



1. A cheery fellow who always has a big smile for his friends is Charlie Koenig, smelter claymill operator, who came from Switzerland, is a naturalized Canadian. 2. Joe Skender, seen checking a smelter conveyor, arrived in Thompson from Yugoslavia in May of last year. 3. Marg Cassidy, a key punch operator in the tabulating department, hails from Minnedosa, Man.; she is married and mother of three.



1. Wally Latimer, of Ukrainian parentage, is a northern Manitoban, born in Flin Flon; he joined Inco in 1960 as a mine clerk. 2. This popular smelter roaster operator, seen checking his charts in the control room, was christened Armit Willfred Holmes but much prefers Sam, which everybody calls him; he was born in Lloydminster, Sask., but came to Thompson via Vancouver.



1. India was the birthplace of Jagdev Singh, who came to Thompson from Mission City, B.C. A mine switchman, he's seen here in the changehouse going on shift. 2. Dennis Watson, assistant storekeeper, came to Inco from England, is the father of seven. 3. Melvin Lowe, shown at the controls of his converter, was born in Lenswood, Man., and came to Thompson from there. 4. John Longmore, mechanical department welder, who became a newlywed at Christmas time, was born in

Biggar, Sask., lived in Winnipeg before moving to Thompson in October 1960. 5. Smelterman Bill Azure, shown checking the flux bins, hails from Cormorant, Man., speaks both Cree Indian and French, has three children, started to work at Thompson in October 1961. 6. Assistant surveyor Don Bruce was born in Stouffville, Ont., graduated from Haileybury School of Mines in 1960, went straight to Inco at Thompson.

1. From Holland came Derk Perdok, maintenance mechanic shown making a regular inspection of crane bales; he is father of four. 2. Italy sent Gaetano Petri, seen here operating the 1200-ton press in the refinery. 3. Shown with his bud bar is furnace operator Simon Lucovic, who hails

from Yugoslavia, has been an Inco Thompson man since September 1960. Unfortunately dropped from this space last issue was the caption for the picture of Dr. Terry Quirke, senior field geologist, who came to Inco from Minneapolis, Minnesota.



100 Young Skaters Delight Big Crowd at Levack's Annual Carnival



Not many figure-skating clubs are fortunate enough to have such a handsome quintet of young men as this to perform in a carnival program. Billy Cameron, Barry Jackson, Danny Johnston, Keith Lappan and Marcel Pinard have all grown up with the Levack club. On the



right are the young soloists who drew resounding applause for their featured performances at the Levack carnival, Sheryl McCourt, Ina Lynne Purvis, Connie Samotowka, Patti Mallette, Wendy Piccolo, all of Levack, and Margaret Ann Bowen of Sudbury, silver medalist.



ABOVE: Here are three of the 10 young charmers who got a big hand for their Majorette number. Sharon Hawryluk, Wendy Gilchrist, and Charlene MacNeill.

ABOVE, Right: Heap Big Chief Mark Gross poses with a pair of the 13 winsome maidens who appeared with him in the Indian number. Linda Leblanc and Dianne Cucksey. "Life can be beautiful," said Mark when interviewed.

RIGHT: Second on the program was Eye Opener, the delightful presentation in which 15 assorted little rascals like these won the hearts of the big crowd, partly on account of their skating but mostly because they looked so cute. Pictured during a moment of relaxation are Nancy Mihajic, Lynn Malleau, Sally Benoit, Gail Cucksey, Diane Yanda, and Karen Bideau.



Ice capades and other slick professional productions have their glitter and glamor, but for heart-warming interest and atmosphere they can't compete with a local show like the Levack Figure Skating Club's annual carnival.

More than 100 youngsters, from tykes to teen-agers, took part in Ice Follies 1963 at Levack on February 23. And from the wiggling, wobbling uncertainty of the tiny beginners to the grace and sureness of the featured performers, it was a delightful program.

Costumes were bright and original, lighting and music well handled, and the entire production briskly paced to hold the interest of the big crowd.

Joyce Salo McKenzie, club professional, produced and directed the carnival with the assistance of the skating club executive: past president, Mrs. R. Butterworth; president, Mrs. E. Mallette; 1st vice-president, and ice convener, Mrs. E. Piccolo; secretary, Mrs. L.

McCourt; treasurer, Mrs. N. Karpik; assistant ice conveners, Mrs. R. Benoit, Mrs. A. Bideau; membership convener, Mrs. J. Delorme; office convener, Mrs. O. Purvis; working and publicity, Mrs. E. Gilchrist, Mrs. C. Zubac, Mrs. J. Yanda, Mrs. B. Moir.

Other behind-the-scenes workers who earned a special vote of thanks were Norman McKenzie and E. Piccolo, who handled the music and mike; Bill Bushnell, in charge of lighting; Frank Doyle and Vic Romagna, general assistance.

The printed program was generously supported by Levack and Sudbury business establishments.

Victor Petrovas

Victor Petrovas has retired from Coniston on disability pension. He came to Canada in 1948 under contract to help build the Hydro frequency changer near Garson,

and when his assignment was fulfilled the following year he decided the Nickel Belt was a good place to live and work so he got a job at the smelter in Coniston.

A band musician from away back, Victor soon became a member of Dan Totino's famed Coniston band, playing solo cornet. In Lithuania where he was born in 1909, he was in the army band from an early age and continued his music after going to Germany in 1944. It was from there in 1948 that he contracted to come to Canada.

Victor at one time played in the Sudbury band and also for a time with the band of the 58 LAA Regiment.

His wife, whom he married in 1940, died in 1956. In 1957 he married Mrs. Gratitis, a widow. They have no children and are planning on moving to Montreal to open a small neighborhood grocery store. "I like to do something to keep busy," Victor said.





Right Way Is Safe Way

Results of safety demonstrations at all Inco mines and plants are reflected in improved safety statistics. Men are working more safely — doing the job the right way, which is the safe way. The Nickel Refinery at Port Colborne are giving strong prominence to this feature in their accelerated safety program, with real enthusiasm shown all down the

line. The above picture shows a safety demonstration in the electrolytic department. Foreman Ernie Arnold is pointing out the potential hazards involved in cleaning a filter press. The two pressmen assisting in the demonstration are Vic Chartrand and Clement Goupil. Later it was demonstrated how to open and clean the press safely and simply. Interested observers are day foreman Steve Pinkus (right) and safety supervisor Len Hobbs.

Frank Seres

When Frank Seres came to Canada from Hungary in 1925 he went west to Saskatchewan, and for five years toiled in the granary of Canada. In 1929 he retraced his steps, coming east as far as Port Colborne and again worked in grain transportation, finding employment at the Government Elevator.

In 1930 Frank joined International Nickel and worked in no. 1



Mr. and Mrs. Seres

building when it was a seething centre of activity. With the removal of the Orford process of nickel separation to Copper Cliff, Frank spent a few months in the leaching department before settling down to nearly 25 years in the electrolytic building. He worked behind the cutters for over 18 years, was on the units for two years, then made boxes for four more. He then transferred to the yard department and has been helping keep our changehouse one of the cleanest places in town.

Frank married Julia Bogar in 1933. They have one daughter,

Marjory (Mrs. H. Millar) of St. Catharines, who took her R.N. at Ottawa General Hospital and was on the Port Colborne Hospital staff for a time. Their son Bill is employed by Crane & Co., Ottawa. They have two grandchildren.

At a gathering of yard employees Frank received a gift of money as a token of respect from his fellow workers. Charlie Bridges was chairman and Charles Ott, assistant to the manager, thanked Frank for his more than 30 years' service with the Company and hoped that he and Mrs. Seres would enjoy a long and happy retirement.

Lewis Pew

"Lewis Pew has been one of our outstanding employees, talented, industrious and responsible." Such a comment from mechanical superintendent Chris MacPhail was a nice climax to 41 years' service.

Quiet-spoken Lewis was born in Port Colborne, and on leaving school worked with the Maple Leaf Milling Co. for four years. In October, 1919 he started with Inco on the Cottrells and was associated with no. 1 building activities until

they were moved to Copper Cliff. Lewis joined the mechanical department in 1928 and rose to pipefitter first class.

In 1927 Lewis married Clara Christmas. Their daughter Joyce is Mrs. John Major and their son Donald works for Robin Hood Milling Co. One grandson, Shawn, the apple of Grandpa's eye, completes the Pew family.

At a gathering in the machine shop Lewis was the recipient of a well-filled wallet and a handbag for Mrs. Pew, James H. Walter, in making the presentations, spoke of Lewis's sterling qualities of dependability and workmanship and in thanking him for a life's work well done, hoped that he and Mrs. Pew would long enjoy retirement in health and happiness.

First Champs of New Minor Bantam Loop



Minor bantam was added to the hockey scramble in Blezard Valley this season and proved a real crowd-pleaser. There were over 50 boys in the three-team league battling for the handsome trophy donated by Guilleville businessmen. In the exciting final game at Capreol Arena the McCrea Heights team coached by Ronald MacKinnon won the championship over Val Caron on a single goal by Donald Desabrais. Picture shows the victors: front row, Emerson MacKinnon, Arthur Haynes, Donald Desabrais, Fern Belanger, Johnny Prudhomme; back row, George Robinson, Danny Doucette, Denis Thompson, Billy Hawley, Matti Saarinen, coach MacKinnon; not shown, Wayne Brown, Colin Sadowski. Blezard Valley was the third team in the loop, which will be bigger next year.



Mr. and Mrs. Pew



THIS WAS THE STYLE IN 1929 . . .

Old and New Styles in Drift Backs

Back in 1929 the timbering shown in the above picture was considered just about the ultimate in back support for drifts.

Today, 34 years later, it still stands virtually as good as the day it was installed, a tribute to the designing, material and workmanship that went into it.

But by today's standards it would be considered superfluous, not to mention costly, although when installed it was the pride of all concerned.

Frood oldtimers will recognize it as a section of the saddleback sets installed in no. 3 main crosscut on 2800 level in 1929 when Frood was in its big development boom. The man taking a close look is foreman George Deschene, who helped sink no. 3 shaft, cut the station, drive the crosscut and later backslash the drift and then install those same sets of timber.

In contrast is the clean cut, unencumbered drift on Frood's 1000 level shown in the second picture, a fine example of streamlined methods in use at Inco mines today. More critical drilling and blasting is one feature of this modern technique in driving drifts, but the great boon is rockbolting. The drift back is safely secured with rock bolts installed to a specific pattern, and wall bolts placed as required. Regular checks are made on these bolts to determine if any undue stress has developed. Stan Winiowski is seen applying a torque wrench to a wall bolt in a regular test.

George Deschene, a miner's miner and a highly regarded member of Frood's supervision for over 35 years, well remembers the interest created when the sets were being installed. "Allan Brock designed them," he said, "and it seemed that everybody came down

to see them." George was one of the crew that drove the original drift on 2800 level through to the ore. "George Moretto was drilling with me then," he recalled. "Old Andy (Aatu Linna) worked with me, and Louis Relf was on the motor tramping muck from the drift to no. 3 shaft."

Later George started back from the shaft station and helped backslash the drift to a back height of 12 feet at the peak. "The drift was 18 feet wide and walls 9 feet high," he said. "The sets were 11-foot 6-inch centres and the timber was all B.C. fir. The main cross timbers were set into box hitches drilled into the walls."

First-Aiders Sharpening Up For Big Tests

In addition to bright sunshine, sudden snowstorms and a tantalizing taste of spring, March is noted, at Inco at least, for bringing local mine and plant first aid competitions down to the wire. This is the month when mine and plant champs are decided and preparations made for the sectional finals.

The playoff for the H. J. Mutt trophy is scheduled for April 2, with four individual mine winners competing to produce an all-mines champ. Two nights later the D. Finlayson trophy competitions are scheduled to be held with four more teams matching speed and skills to decide a winner in the reduction section.

The two finalists will then spend the next couple of weeks honing their talents to razor-sharp readiness in preparation for the Parker Shield finals for the Inco inter-



... AND HERE'S HOW IT'S DONE TODAY.



plant first aid championship, to be held at the Sudbury Inco Club on April 23. That top-notch show cleverly planned and produced by Tom Crowther and his associates provides a real test of first aid skill under fire, as well as exciting entertainment for spectators. Admission is free and all are welcome.

The accompanying picture shows a typical elimination contest, the Frood-Stobie mine finals with Harvey Larson's team seen in action. The problem as presented to them was: "You men are nipping timber in a slope on 1000 level. A driller is drilling nearby. His partner is over talking to you when you hear a shout for help from the driller. Act as you see fit."

Watched carefully by judges Mike Malloy (left) and Bill Gaylor the team approaches the injured

man with caution. While one man tests the walls and back with a scaling bar another checks a chunk that might roll down and the other team members remove the chunk that has fallen on the victim and start to make him comfortable. They then ascertain his several injuries and administer first aid.

Four teams captained by Harvey Larson, Vic Laporte, Jesse Baseden and Harry Murdock competed in the Frood-Stobie playoff, with Laporte and Larson judged the winners. They will compete in a further contest at the Inco Club on March 24 to decide a final Frood-Stobie winner.

One advantage in being a fish, compared with being people, is that their young don't wake them several times during the night yelling for water.



FIRST EVENT winners are shown on the left here, skip Max Matte, Eric Kossatz, Gerry Mulligan and Art Simon; in the centre, the SECOND EVENT victors, skip Norm Creet, John Keast, Earle Dunn

and Bob Corrigan; on the right, the winners in the THIRD EVENT, skip Tom Zaitz, Andy Chop, Gord Ruston and Bob Close. Presentation of prizes was made by S. J. Sheehan, Eldred Dickie, and Ted Goddard.

Fine Fellowship, Food, Fun at Frood-Stobie Spiel

It was a standout success right from the opening rock when Eldred Dickie first got it going back in 1955, and it's been an eagerly awaited and greatly enjoyed event every year since.

There were 40 rinks on hand for the 1963 Frood-Stobie bonspiel, including many once-a-year curlers and others who had never tried the slippery game before. And they all had a fine week-end of fun, fellowship, and some very sharp curling too, through the hospitality of the Copper Cliff Curling Club.

Assisting him in staging this

BELOW: Syd Sheehan puts the same zip into sweeping a stone that he does into running the mine.

years' 'spiel Eldred Dickie had Gerry Mulligan, who smoothly handled the drawmaster's assignment but wasn't too busy to pick off a prize in the first event, and Charlie Cranston and Garnie Milks, who were their usual amiable and thoughtful selves in looking after the details of the arrangements.

Several guests, including assistant general manager Jack Pigott, joined the curlers for the traditional big feast on Saturday night and heartily partook of a delicious buffet catered by Red Pianos.

The curlers praised the keen and true ice served up to them by head icemaker Ernie St. Pierre, and also the prompt and pleasant service

provided by Estelle Johnstone's lunch counter staff.

CLOSE SHAVE

Old Jim was telling about his close shave with a bear. "It chased me across my hill field. I hoped to make it to that large tree on the edge of the pasture," he declared, "and when I got there I saw that my only chance was to jump up and catch the big limb which was about 20 feet from the ground."

"Did you make it?" asked his listener.

"Well, the truth is," Jim concluded, "I missed it going up but caught it on the way back down."



If Danny Parker is as worried as he looks, he's in for trouble from his skip for that shot.



Another energetic pair of sweepers (their wives should see this) were Ron Richardson and Gene Tarnopolsky; back to camera is Ed Moore. BELOW: as usual, the buffet supper on Saturday night was a gourmet's delight; stacking their plates are Gerry Marcotte, Bill Skyba, Art Rodin.

Eye sharp on the broom, Oakley Shelswell carefully gets away a crucial rock. BELOW: anxiously awaiting the verdict as Hector Carey measures a close one are Doug Marshall, Joe Giroux, Frank Kuznik, Joe McLaughlin, and Bob Hall.



Albert Charette

Albert Charette is a true native of Sudbury, where he was born in 1897. "My father, Alphonse Charette, worked at the old Murray mine for British American Nickel and we later lived on a farm in Hamner for many years," he said.

Albert recalls the early Sudbury as largely a lumbering town with mud streets, wooden buildings and plenty of hard drinkers. He attended school there and also went to Sacred Heart College. Retired from the reverberatory furnaces at Copper Cliff on service pension, he joins the Quarter Century Club this year.

Serving in World War I and wounded in France, Albert recalls that trench warfare was a dirty, tedious and dangerous life. "You went everywhere on foot and carried everything," he said.

After the war Albert took a course in telegraphy, then taught that trade for a year at London before going into the lumber business at Gogama with his father. Some six years later he and a brother opened a patent medicine store in northern Quebec, then in 1931 he returned to Sudbury and entered the furniture business with his father-in-law.

He started in the Orford building at Copper Cliff in the fall of 1935 and four years later went to the reverberatory where he worked many years as a conveyorman and was also bin boss for a time.

His wife, Leonida Vigneault, whom he married in 1923, died early this year. Their family are Norman of Sudbury, Constance, a missionary nun in Bolivia, Marshall at Ottawa, Francine at home, and two grandchildren.

A camp on McFarlane Lake and a neat garden at his home in Sudbury next door to another recent Inco pensioner, Joe Rabski, keep Albert well occupied and happy.

A Very Unexpected Visitor in the Mine

Diving for minnows in near freezing water is "duck soup" for certain species of wild ducks.

But diving 1,000 feet underground looking for goodness only knows what!

A limbo artist would exclaim, "How low can you go?" Yet one young whistler drake did just that.

He was discovered in 45.1 slusher trench 1,000 feet underground at Stobie mine Saturday morning, March 9.

Emergy Marion and his partner Yvon Lebel found him huddled by the slusher when they went to their place of work. Cold, hungry and apparently dazed, he soon revived when the boys took him to the underground warehouse, fed him bread and water, and made him a comfortable bed out of old powder boxes.

Soon he was ready for flight and had to be restrained for his own good. The cover picture of this issue shows him posing on a chunk

Got Their 100,000 Safe Shifts After 33 Years of Steady Plugging

LEVESQUES SHIFT

SINCE MARCH 20, 1930



A record unique in Inco safety annals was set by a sinter plant gang at the Conister smelter on February 27 when they completed 100,000 safe shifts worked. For a gang that rarely counts more than 10 men per shift this takes a bit of doing — in fact this record started over 33 years ago, on March 20, 1930 to be exact!

Shift boss of this gang since 1959 is Jim Levesque, who began working in the old sinter plant at Conister back in 1922 and who has been a sinter plant man more than 40 years. Jim's safety-minded predecessors were Ernie Poirier (re-

tired) 1951 to 1959, Alex Beauparlant (deceased) 1944 to 1951, and well-known Conister pensioner Harvey Benoit.

This picture was taken the day the boys completed their 100,000 safe shifts. Superintendent of smelters J. N. Lilley was on hand to congratulate them warmly and present each man with a smart, all-purpose pocket knife. Mr. Lilley noted that he had a particular personal interest in this record since he himself had worked in that department at one time during the record span. He is seen shaking hands with shift boss Levesque

while Conister smelter superintendent Roy Smith beams his approval.

Over the years many men have joined and left the shift, Alme Gosselin is the only one still on the shift who was there at the start of the record run. Another interesting sidelight is the fact that Edward Albert, sinter plant shift boss on the opposite shift, was for 27 years a member of this crew and now his own gang, as of the end of February, had worked over 97,000 safe shifts, their record also dating back to 1930.

of muck in 45.1 slusher trench, with Emery and Yvon making sure he doesn't take off.

How he got into the mine will probably remain a mystery. The chutes that feed into that particular slusher trench do open up to the bottom of the old Stobie pit, but at the time of this incident were all full of muck. To suggest that he came down the regular mine shaft — on a truck of supplies for example — flew through several drifts to the north side of the mine, thence up a manway and into the slusher trench — well that's a bit too much.

Most popular theory was that the duck, perhaps tired after a hard day's flying, mistook the pit for a body of water, landed on the muck as one of the chutes was being pulled, and by a freak of fate was carried unharmed down with the muck into the mine. At any rate there he was.

According to Orest Andrews, wildlife authority and the man who identified the duck for the Triangle, a number of this type of duck winter in the Sudbury district. "They are fish ducks," said Orest, "and use the small open sections of local fast running rivers as their feeding ground." This one probably went for a fly in the sky and became lost.

The highly unusual mine visitor was taken to surface and turned over to Hrinivich's wildlife sanctuary near Larchwood where the young whistler was able to rejoin his feathered friends.

As for Emery and Yvon, they finally became convinced that the whole thing wasn't just a case of someone "giving them the bird."

Monster Tamers Use Stainless Steel Needles



Africa's wild-life conservation authorities go hunting nowadays with rifles which subdue but do not kill. In order to establish veterinary control programs, it is often necessary to treat or tag huge beasts which are extremely dangerous. Shot from an air rifle, a nickel stainless steel needle injects a tranquilizer into the animal. Within minutes, it becomes unconscious and can be safely treated. Recovery time is controlled by the strength of the tranquilizing drug. Type 304 stainless steel is used for the needles, because it resists corrosion from animal tissue fluids. Strength of the needle is also important because, as in the case of the rhino pictured, a $\frac{1}{4}$ " hide must be penetrated. (Photos courtesy Union Carbide Metals Review.)

News About The Company

(Continued from Page 2)

called to provide rapid analysis of precious metals for precious metal processors.

Rolling Mill Divisions

Sales of nickel and nickel-nickel alloys in standard rolling mill forms produced by the nickel mill divisions in the United States and the United Kingdom totaled 23,200,000 pounds inclusive of waste bars for electrolysis. The company with 13,500,000 pounds in 1961 and 10,400,000 pounds in 1962. The products of these divisions include alloys of nickel with copper or chromium which are highly resistant to sea water brines and other corrosive media over a wide range of temperatures. Many of these alloys are also resistant to deformation and scaling at high temperatures which extends the life of critical components of gas turbines and of petrochemical plants and in other applications where these special qualities are required.

At the Huntington, West Virginia plant in the United States, the installation of a large rolling mill and a forging press to replace the existing steady furnaces. A project which will secure approximately two years to complete was begun. The rolling mill will provide improved processing in hot rolling of nickel and nickel alloys and the forging press will permit the processing of slabs and bars that do not lend themselves to hot rolling. A new distribution center for standard materials providing approximately 800,000 sq. ft. of space under roof was also completed and put into operation. Other developments include installation of a remote designed grinder to reduce the cost of processing scrap, and of a vacuum arc remelting-electrode melting furnace, and starting of construction of a modern production line for the manufacture of welding rod.

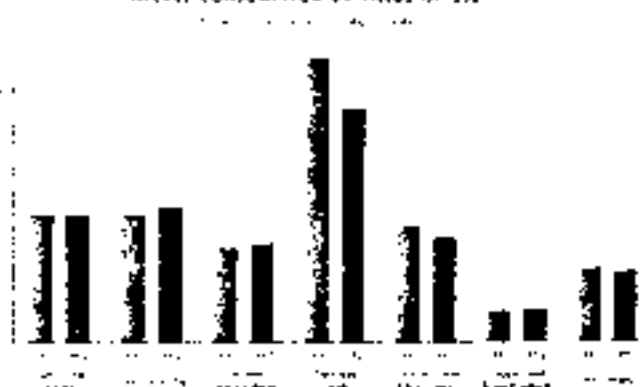
At Hereford in the United Kingdom, work continued on the reconstruction of all extension and rolling mill facilities at this plant. During the year a new mill building was completed and the transfer of machines and operations from the Birmingham plant to Hereford was proceeding satisfactorily. Installation of a rod mill and of a planetary hot-strip mill was substantially completed and a new tube-reducing machine was put into operation. Installation of a new 3,200-ton extrusion press of an advanced design was under way.

During the year the production and sale of castings was discontinued and our Bayside, New Jersey facilities in the United States will be closed.

Research and Market Development

With comprehensive responsibility under the nickel and nickel production groups, the Company also sold its efforts to expand existing markets and open new markets for nickel, emphasizing its advertising and program promotion efforts and action to quality. A number of developments during the year illustrate our way

NICKEL CONSUMPTION IN TONS OF 2,205



polymers in seeking to open new fields of nickel use.

Under International Nickel sponsorship a lightweight nickel stainless steel truck was designed for the transportation of chemicals in bulk. After a year of service in a commercial fleet the truck has created wide interest in its performance potentials. Another project in the experimental stage was the design of an economical lightweight nickel stainless steel fabricated beam for use in highway crossover bridges and other structures where it is desirable to minimize or eliminate the cost of painting and maintenance. The new type of beam has proved in structural loading tests to have the same load carrying ability as much heavier structural steel beams.

Progress in our marketing activities on behalf of established products and processes also contributed to the use of nickel. For example, there was further evidence that nickel-chromium alloys would become a major market for nickel. Their spectacular use during the year as the main power source of the Telstar and Telstar communications satellites which made transatlantic telephone possible demonstrated their commercial possibilities. The Company also intensified its efforts to interest and assist manufacturers in using where applicable the electroforming process. This technique, which involves fabrication of articles by electrolysis of nickel, opens new markets for nickel by offering economy in the manufacture of products of complex shape and fine detail such as glass molds.

As part of our market development program in the Common Market International Nickel-Metals Services N.V. was organized in Holland. Through this new subsidiary our market development

work and the activities of our nickel information offices in Belgium, France, Italy and West Germany are being further coordinated. A new office has been established in Spain.

Through the Company's own research new nickel-containing materials were developed. One of these is a high temperature cast alloy containing 69 per cent nickel which is one of the strongest aircraft gas turbine blade alloys available. It permits higher engine operating temperatures with consequent improved engine efficiency. The high-strength wrought engineering steels containing 18 per cent nickel which were introduced to the steel industry by the Company in 1962 are now available commercially from a number of steel companies in the United States and Europe.

These steels continue to attract considerable attention for machine and aircraft applications.

The Company recently announced plans for the establishment of a central laboratory in Canada for both process and product research. This laboratory will be part of The Ontario Research Community, located near Toronto.

To provide enlarged research facilities in the United Kingdom a major expansion of the Company's research laboratory at Birmingham is being made. At least the first stage of this work was nearly complete.

During the latter part of the year work was started on the construction of the Company's new product research laboratory at Sterling Forest, Orange County, New York. The new road, parking and building sites have been cleared and grading and excavation are proceeding.

Exploration

The active search for new nickel deposits was continued throughout

the year. Expenditures for exploration in 1962 were \$483,000 compared with \$744,000 in 1961.

In the Sudbury District, systematic programs, both surface and underground, were continued in order to explore known horizons for new ore, confidence and extensions of known deposits. Exploration of the Dickinson mine property was also continued.

More emphasis was placed on exploration in Canada's Yukon and on a scale of the Sudbury and Thompson areas. A gold deposit discovered in the Northwest Territories in 1961 received preliminary drilling and additional drilling will be undertaken in the summer of 1963.

In other parts of the world exploration activities were also continued. These areas include continental the South Pacific including the British Solomon Islands, Australia, New Zealand, Australia, New Guinea and Indonesia, and Africa.

Capital Expenditures

Capital expenditures in 1962 amounted to \$61,033,000, compared with \$43,950,000 in 1961 and \$75,075,000 in 1960.

These expenditures included \$38,382,000 in hot rolling, refining and iron ore recovery plants and related facilities at Copper Cliff, Port Colborne, Thompson, and Chibougamau and \$1,151,000 for additional and improvements in our Ontario and Manitoba mine development programs. Improvements and expansion in our rolling mills at the United Kingdom and the United States amounted for \$12,004,000. The balance of \$2,437,000 was expended for capital items at our other properties.

The geographical distribution of 1962 capital expenditures was: Canada \$40,390,000, United Kingdom \$11,266,000, United States \$8,250,000 and in other countries \$591,000.

Capital expenditures in 1963 are estimated to exceed \$50,000,000.

Shareholders

The number of shareholders of record at December 31, 1962 was 83,425 compared with 83,412 at December 31, 1961.

Employees

At the end of 1962 the Company and its subsidiaries had a total of 27,676 employees compared with 32,052 at the previous year-end. Personnel were spread over 15 countries as follows: Canada 17,923, United Kingdom 6,003, United States and other countries 3,450. Of these employees 3,143 had been in the Company's service for more than 25 years and were members of the Company's Quarter Century Club which has chapters in Canada, the United Kingdom and the United States.

At year-end there were 2,612 former employees and beneficiaries receiving pensions under the Company's Retirement System.

As stated in the Annual Report for 1962, the union labor contracts covering production and maintenance employees at our mines and plants in Ontario expired on January 1, 1963. On this occasion of new contracts with all union districts and rapid turnover of disputes between two unions over the right to represent these employees, 23 new disputes were not finally

Deliveries of Metals by Tons

	1962	1961	1960
Tons			
Nickel:			
Nickel in Refinery Products	234,140,000	286,030,000	264,650,000
Nickel in Rolling Mill and Foundry Products	71,510,000	82,870,000	73,440,000
Nickel in Salts and Chemicals	4,500,000	4,060,000	4,130,000
Nickel in all Items - Total	310,150,000	372,960,000	342,220,000
Copper	267,280,000	264,710,000	292,540,000
Cobalt	2,280,000	2,530,000	1,370,000
Less Credits			
Platinum Metals and Gold Silver	410,800	143,000	405,400
	1,441,000	1,215,000	1,510,000
Less Loss			
Iron ore	257,000	231,000	192,000

Pirates of Penzance This Year's Choice Of Talented Young Gilbert and Sullivan Players



If the boys and girls at Copper Cliff High work their way through school as happily and successfully as they are working their way through Gilbert and Sullivan, the world is their apple. This year they did *The Pirates of Penzance*, and from start to finish it was thoroughly enjoyed by both cast and large audiences in Copper Cliff and Sudbury, and also at the Kiwanis Music Festival in Toronto. Pictured above is an opening scene in which Ruth (Karen Robertson), the piratical maid of all work, confesses her fateful mistake in bungling her instructions by apprentice-

ing the boy Frederic to a pirate instead of to a pilot. The pirates and their king (Stuart Murray) show their astonishment at this disclosure, as does the bewildered Frederic (Ed Rumney), right foreground. Producer of the famous Gilbert and Sullivan piece, with its amusing rhymes and lively tunes, was Helen Holomego, director was Ed Rumney. The accompaniment was skillfully played by pianist Linda Rutherford. There were 65 in the company.



"A policeman's lot is not a happy one" sighs the handsome sergeant (John Roy) but what's so tough about this sort of a job, surrounded as he is by the bewitching young daughters of the Major-General (John Henry)? The capers of the cops were a highlight of the show.



A tender love song, "Ah Leave Me Not to Pine", is sung by Janyce Bain and Ed Rumney, who were outstanding in the roles of Mabel and Frederic. The gifted young soprano showed professional poise; Mr. Rumney's fine tenor was a musical delight as always.

measure of industrial development. In many areas of the free world nations are turning more and more to the development of industry as a means of improving their respective economies. Every such development augurs well for nickel. The Company is continuing therefore, with all the skills and knowledge developed in the 60 years that it has been a major factor in the nickel industry, to pursue its world-wide search for nickel deposits capable of being brought into production in order to strengthen further the ability of the nickel industry to serve all market opportunities as they emerge.

The immediate prospects for increasing the demand for nickel depend on the great traditional

markets of North America and Europe. As a major producer of nickel, the Company through its research, market development and other activities, is working vigorously to activate an early step-up in the free world's consumption of nickel.

The Common Market remains the second — and the United Kingdom the third — largest area of nickel consumption in the free world. Two years ago consumption in these markets attained a spectacular high. There has since been a decline as the result of a slowing down of the rates of economic growth. We expect, nevertheless, that major gains in nickel demand will come from the highly industrialized Common Market countries and the United Kingdom. In 1963 we are further intensifying our activities in these most promising areas.

For the entire year 1963 we expect to deliver somewhat more nickel than in 1962, and there is a good prospect that we will deliver more nickel of our own production than in any previous year. Assuming economic activity remains at or near present levels, we believe that our financial results for the year ahead will be very satisfactory.

EMOTIONAL PROBLEM

The tourist was amazed. There at the poker table in the Las Vegas gambling casino was a big collie dog. The dog seemed to be getting along just fine.

The tourist turned to another spectator of the game and remarked: "That's the most amazing sight I've ever seen. I didn't know there were such intelligent dogs in the world."

"Aw, he ain't so smart," replied the other man, "every time he gets a good hand, he wags his tail."

HE'S GOT HER NUMBER

Doctor: "Why do you have that K5667 tattooed on your back?"

Patient: "That's not tattooed. That's where my wife ran into me while I was opening the garage door."

solved by the Ontario Labour Relations Board until October 15, 1962. Contract negotiations with the newly certified union are still proceeding.

Outlook

The disappointments of the steel industry were responsible for holding our 1962 nickel deliveries at a level somewhat lower than we had thought likely a year ago. However, having brought into productive work our great investment in Manitoba, we were able to record an improvement in earnings and to increase our dividends.

In entering 1963 we have experienced an encouraging upturn in nickel deliveries. During the first month and a half of our rate of deliveries in the United States has improved substantially while our deliveries in Europe are at perceptibly higher levels than in 1962.

In 1963, as in the past year, the free world will have an over-supply of nickel, and there will be strong competition for the business that is available. International Nickel

is in an excellent position to serve its customers. Over the past 15 years we delivered some 4,000,000,000 pounds of nickel to industry. Now, with two separate and self-sufficient sources of nickel supply in Ontario and Manitoba, with the highest production capacity in our history, and with large stand-by stocks of finished nickel at readily accessible locations, our present and long-term dependability as a supplier of nickel to the consuming industries throughout the free world is even more solidly assured. In addition, the Company is offering to customers more effective and valued scientific, technical, marketing, delivery and other services than ever before.

The long-range prospects for greatly enlarged consumption of nickel in the free world are excellent. The technological progress of our era has benefited nickel through the development of a multiplicity of new and expanding uses, even as nickel has contributed to that progress. It can be said that the use of nickel is, today, a



Front row, cheerleaders Karen Fielding, Sandra Forsythe, Donna Moxam, Patti Brannigan; second row, Ken Shaw, Norm Cyr, Mike Jacobson, Sandy McAndrew, Tom Mikkola, Paul Duffy; third row, Charlie Phillips, Joe Vuorensyrja, Dennis Hannah, coach Bert McClelland, Fred Silver, Ron Capstick, Wayne Davidson; fourth row, Bob Henry, Merv Yanchuk, David Wilkie, Paul Aloisi, Terry O'Brien, Ralph Ferris.

Copper Cliff High School Braves Win Ontario Title for Sixth Time

Copper Cliff High School Braves, shown above, have captured their sixth all-Ontario secondary schools hockey championship.

One of the most powerful teams in the school's success-studded hockey history left no doubt of its superiority in the provincial finals played this year at Copper Cliff's Stanley Stadium and Sudbury Arena.

It was the 10th straight year the Braves emerged triumphant over the tough competition in their own bailiwick and went on to conquer the rest of the North and enter the Ontario finals.

The Braves are undefeated in 25 consecutive games. So far this season they've won the Sheridan trophy for the Nickel District league championship, the Ennis trophy for the Northern Ontario championship, and the T. Eaton Co. trophy for the Ontario championship. They could make it a clean sweep by taking the Nickel District playoffs and the Robert Brown trophy.

Goalie Norm Cyr won the trophy for the best goals-against record in the Nickel District league. Tom Mikkola won the individual scoring championship, and was also picked as the most valuable player in the all-Ontario tournament.

In the 23 years since Bert McClelland started coaching at Copper Cliff High, he's put together some tremendous young hockey clubs. He won't say this one is the best yet, but he does say it's the most outstanding in one very important respect, team spirit. "We haven't got a 'star' on the whole club," he says. "Every one of these boys is a 'team' man, first and always."

Pat Heaphy, manager of Stan-

ley Stadium, has observed how hundreds of budding athletes conduct themselves. "Nice as bunch of boys as ever came into this rink," he says of the Braves.

It's a relatively young team. Only two of the players, captain Sandy McAndrew and assistant captain Mike Jacobson, have been in the lineup for four seasons. The balance of this all-Ontario championship squad has been built by coach McClelland with boys who have played together for two seasons or less.

"Next year we'll have to start all over again," he said. "Five of these boys have been offered university hockey scholarships."

Elmer Heinz

Elmer Heinz is retiring after 29 years' faithful and dependable service at Port Colborne. He started with Inco in 1933 and went to the sinter building where he was a competent man on all floors. He was graterlayer man, pug mill floor man, burner, feed man and also knew all there was to know of the trommel screens and the crushers.

He was also a machineman on the calcine furnaces and operated the telfer on the monorail. In the leaching department he worked for a spell on the ball mill.

With the curtailment of the sinter activities, he was transferred to the mech-

anical department.

At a gathering in the machine shop, Elmer was presented with a wallet of money as a going-away gift from his workmates. Charles Ott made the presentation and spoke of Elmer's long, faithful service and hoped his health would improve so that he might enjoy a long, happy retirement.

Andy Macko

Andy Macko first worked in a mine when he was 12 years old. That was in his native Czechoslovakia where he was born 59 years ago. "We worked 12 hours

Makes Own Pattern for Novel Chesterfield Set

"Women of the crochet hook, ARISE! Shake off the yoke of the pineapple pattern!" Thus mused Mrs. "Dick" Bryce, then herself arose and got busy. Although she had never tried it before she made her own pattern of a new design for a chesterfield set, ruling off a sheet of paper in squares and then filling them in to reproduce the picture of the Copper Cliff reduction works on



the Sudbury telephone directory. Soon her fingers were flying as she translated her design into crochet cotton, and in four hours she had completed the novel piece for the back of her chesterfield.

A design of the Inco trademark came next for arm pieces, and now

a day then," he recalled, "and on Wednesday and Saturday came up at noon and went to school."

Retired from Creighton now on disability pension Andy had worked there since 1930, the year he came to Canada.

Andy worked with tramming crews at no. 3 and no. 4 shafts and later in stopes before moving over to no. 5 shaft where he helped



Mr. and Mrs. Macko

drive drifts on most levels during the development period. He worked 10 years as level boss on 50 level and the last few years as skip-tender at no. 6 shaft.

In 1925 he married Emma Rottar and they have two daughters, Emma (Mrs. W. Prestonaki) of Elliot Lake, Irene (Mrs. A. Borovich) of Sudbury, a son Michael at school, and four grandchildren.

A trip back to the old land is a future possibility but as Mrs. Macko expressed it, "I wouldn't want to be away for long. I just love the rocks and I'd miss Creighton too much."

Andy owns about 200 acres of fine bush land on Manitoulin Island where he now plans to spend most of his summers. "I have a good big garden there," he said, "and besides, I just love living in the bush."

JUST CAN'T WIN

The policeman ordered the motorist to pull up to the curb and produce his driver's license.

"I don't understand this, officer," the motorist protested. "I haven't done anything wrong."

"No, you haven't," the officer replied, "but you were driving so carefully I thought you might not have your driver's license."

she has an attractive set with real "local color".

Her husband Russ, formerly plate shop foreman at the Copper Refinery and now an Inco pensioner, said he thought it was a smart piece of work and he was proud of her.