

# INCO TRIANGLE

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NUMBER 1



## The Toymaker's Dream

(Story on Page 5)



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

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EDITORIAL OFFICE COPPER CLIFF, ONT.

## Report Reveals Splendid Records Made Last Year

New records were established in 1954 by The International Nickel Company of Canada, Limited, according to the annual report signed by John F. Thompson, chairman of the board, and Henry S. Wingate, president.

The Company operated at a peak production rate for the fifth successive year, carried forward its extensive program of exploration for new nickel deposits, speeded construction on the first unit of its new plant for the recovery of iron ore from the pyrrhotite in its ores, and achieved at its Port Colborne refinery the first commercial production of electrolytic cobalt in Canada.

### Deliveries

The Company's 1954 deliveries of nickel, at 282,000,483 pounds, represented about 70 per cent of total free world supplies. Copper deliveries were 253,275,426 pounds, an increase of 18,926,011 pounds over 1953. Included in these deliveries were shipments of 24,000,000 pounds of nickel and 20,000,000 pounds of copper made on schedule to the United States Government for stockpile purposes in accordance with the five-year supply contract entered into with the Government in 1953. Further quantities were also delivered to the stockpile in 1954 pursuant to other contracts with the United States Government.

### Production

In 1954 International Nickel mined 14,456,254 short tons of ore, the highest annual ore production in its history, compared with 13,667,095 tons in the preceding year. Its ore production from underground, at 11,988,208 tons, was also a new record.

### Exploration

The Company's expenditures for exploration in 1954 were \$5,255,462, compared with \$6,084,742 in the previous year. Over the course of the past five years of capacity production, International Nickel added 72,834,149 tons to ore reserves, thus not only making up the 63,020,286 tons mined during the period but also providing a net addition of 9,813,863 tons.

In the Mystery Lake area of Manitoba, the report states, the "Company is investigating what may prove to be an important source of nickel-bearing ore adjacent to Moak Lake. Extensive surface drilling has been carried on, and, in order to obtain additional information on the nature of the deposit, as well as the underground conditions and geology of that area, a program of underground exploration and drilling is being undertaken" at an estimated total cost of \$2,000,000.

"The Company has been engaged," the report says, "in a continuous program to develop methods and equipment for airborne electro-magnetic surveying. The notable improvements that have resulted from this research led to an agreement with The American Metal Company, Limited, under which we conducted for that company

## Spring Display in Inco Window



"The nicest display they've had yet" seemed to be the public's verdict on the Spring gardening exhibit in the Inco window at the Sudbury Chamber of Commerce offices, judging by the comments overheard among those stopping to admire it. The small shelves attached to the revolving globe set the theme with intricate pieces of paper sculpture symbolic of Spring in Great Britain, the United States, France, Italy, Switzerland and Sweden. Daffodils, iris, tulips and forsythia there were in profusion, and a rock pool complete with contented goldfish, all surrounding a panel in which backlighting displayed colored transparencies showing some of the beauty spots at Inco homes in the district last year. The next exhibit will feature Copper Cliff Smelter.

the aerial surveying of certain properties in New Brunswick, Canada, which that company then explored on the ground. During the year, as a consequence of these aerial surveys, American Metal discovered on one of these properties what may prove to be important lead-zinc-copper ore deposits. Under the agreement International Nickel has a 25 per cent interest in this property."

Proven ore reserves stood at 261,619,020 short tons at December 31, 1954, compared with 261,541,259 short tons at the end of 1953. The nickel-copper content at year-end was 7,874,998 short tons, compared with 7,816,669 short tons at the end of 1953. The tonnages of ore and of nickel-copper content were both the highest in the Company's history.

### Mines and Plants

The underground development in the operating mines reached a total of 1,981,873 feet, or 375 miles. Underground development had proceeded at an accelerated pace from the end of World War II to 1954, when the Company was able to reduce its monthly development advance to a rate commensurate with current production.

Construction was speeded on the \$16,000,000 pyrrhotite plant unit for the recovery of iron ore, analyzing about 68 per cent iron. The several plant buildings are nearing com-

pletion, the world's tallest smelter chimney—637 feet above the ground—has been erected, equipment foundations have been installed and equipment manufacture is well under way. Operations are expected to begin late in 1955.

At the Company's Copper Cliff smelter, its recently developed oxygen flash smelting process for treating all of its copper concentrates successfully completed its first full year of routine operation and has reduced copper smelting costs. Use of oxygen for smelting also results in the production and sale of a high quality furnace gas from which Canadian Industries (1954) Limited produced approximately 70,000 tons of liquid sulphur dioxide during the year for use by the Canadian sulphite pulp industry. That Company also produced approximately 65,000 tons of 100 per cent sulphuric acid from International Nickel's smelter gas.

Production of cobalt metal was initiated during the year at the Port Colborne refinery. A new process, developed by the Company's research staff, now permits part of the cobalt output to be sold as electrolytically refined metal.

More than two million squirrel pelts are taken annually by Canadian trappers.

# INCO FAMILY ALBUM

We've probably said this before, and it's dollars to doughnuts we'll say it again, but that doesn't in any way mean we can't say now that the following is as nice a group of good-looking people as you'd meet any place: (1) Mr. and Mrs. R. Beland (Coniston) with Danielle, 2, Guy, 2 mos., and Raymonde, 3. (2) Mr. and Mrs. M. McKouray (Garson Mine) with Carl, 6, Tommy, 7, Patricia, 8 mos., and Kenneth, 12. (3) Mr. and Mrs. Bill Chubay (Frood-Stobie Mine) with Larry, 4, and Adelia, 10. (4) Mr. and Mrs. Don Crouse (Creighton Mine) with John, 3½. (5) Mr. and Mrs. John Winn (Levack Mine) with Lawrence, 8, John, 12, Gary, 2, Charon Rose, 5, Keith, 3, and Clifford, 4. (6) Mr. and Mrs. Mel Reid (Copper Cliff Shops) with Dale, 7, Elaine, 3 mos., Robert, 3½, and Audrey, 8. (7) Mr. and Mrs. Victor Rollin (Port Colborne) with Colette, 14, and Leo Paul, 12



## Free Tickets for All to See Show 'Mining for Nickel'

All employees of International Nickel in the Sudbury District, with their wives and families, will be the guests of the Company at private showings of the motion picture "Mining for Nickel."

Announcement to this effect was made at Copper Cliff by General Manager Ralph D. Parker, and will be received with keen satisfaction on all sides. Great interest is felt in the film, especially by those who chanced to come within the camera's range when it was being made.

Here's the schedule of showings:

**Empire Theatre, Sudbury, Sunday and Monday, May 8 and 9, for residents of Sudbury, Copper Cliff, Coniston, Murray, Chelmsford, and immediate neighborhoods.**

**Rio Theatre, Creighton, Sunday and Monday, May 8 and 9, for residents of Creighton, Lively, and immediate neighborhoods.**

**Rio Theatre, Levack, Sunday and Monday, May 15 and 16, for residents of Levack and immediate neighborhood.**

**Garson Theatre, Garson, Sunday, May 15, for residents of Garson and immediate neighborhood.**

The Sunday showings will be hourly from 1.00 p.m. to 10.00 p.m. and the Monday showings hourly from 9.00 a.m. to 10.00 p.m.

Free tickets for all employees will be distributed by the personnel and first aid men at the various plants. They will be good for the date and time shown on the tickets. Ample notice will be given of when and where the distribution of tickets will take place. After the deadline for picking up tickets has passed, any unclaimed tickets will be distributed to employees who apply for them.

Arrangements are underway for a showing of the film at Port Colborne.

"Mining for Nickel," beautifully photographed in color, is a remarkably effective description of the different methods used by the Company in its mining operations. It makes clever use of animated drawings to illustrate phases that the camera could not reach. Technical men who have previewed it say it is one of the finest industrial motion pictures ever produced.

"Mining for Nickel" will also be shown to the Dominion meeting of the Canadian Institute of Mining and Metallurgy in Toronto, and to the Sudbury Branch of the Institute at the Park Theatre. It will be then given wide distribution in Canada, the United States and Great Britain as an educational film and is expected to be in great demand by schools, universities and study groups, as well of course as service clubs and other organizations. It will also be shown on television, and eventually will be seen by hundreds of thousands of people.

### ALL-TIME RECORDS

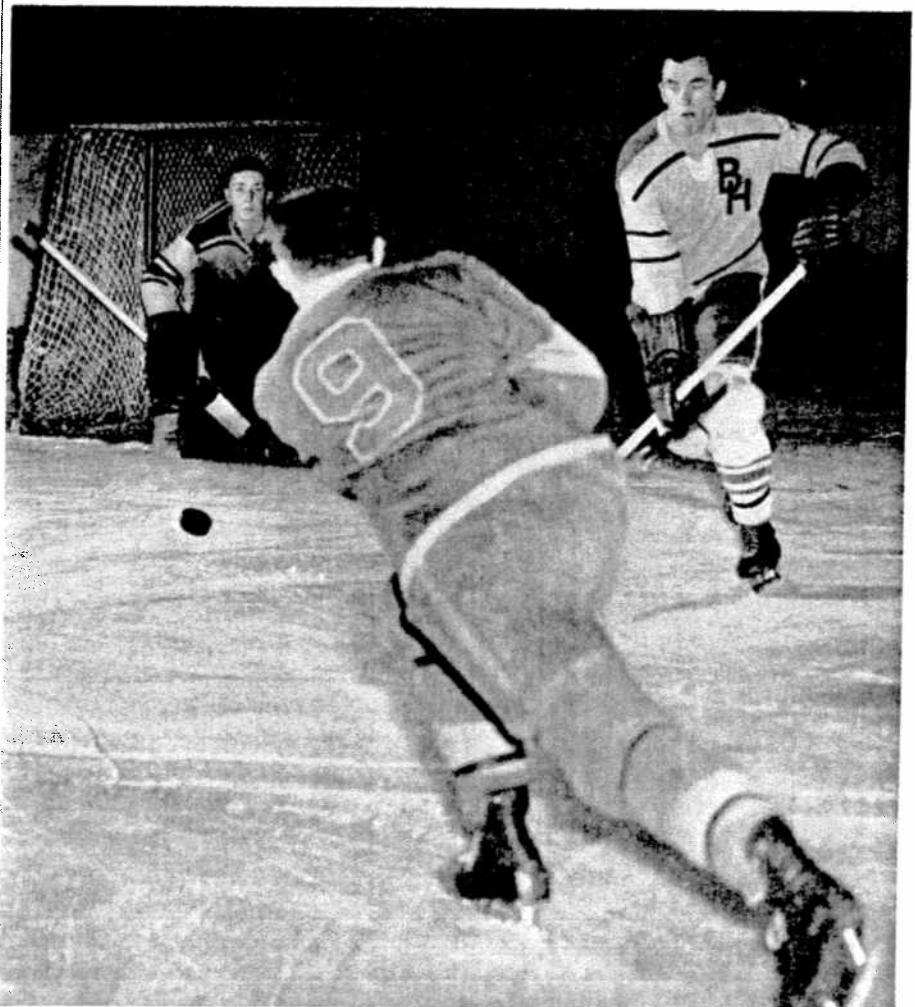
Production of nickel by the free world in 1954 reached an all-time high estimated at 390,000,000 pounds—about 50,000,000 pounds greater than the 1953 total, and about 50 per cent above the pre-Korean 1949 output. Over-all production by Canadian producers of about 320,000,000 pounds last year also surpassed any previous year and accounted for over 80 per cent of the free world's output.

A bell weighing 25,000 pounds, the largest church bell in North America, is in the tower of Notre Dame Church, Montreal.

## No Scalps for Braves at Weston

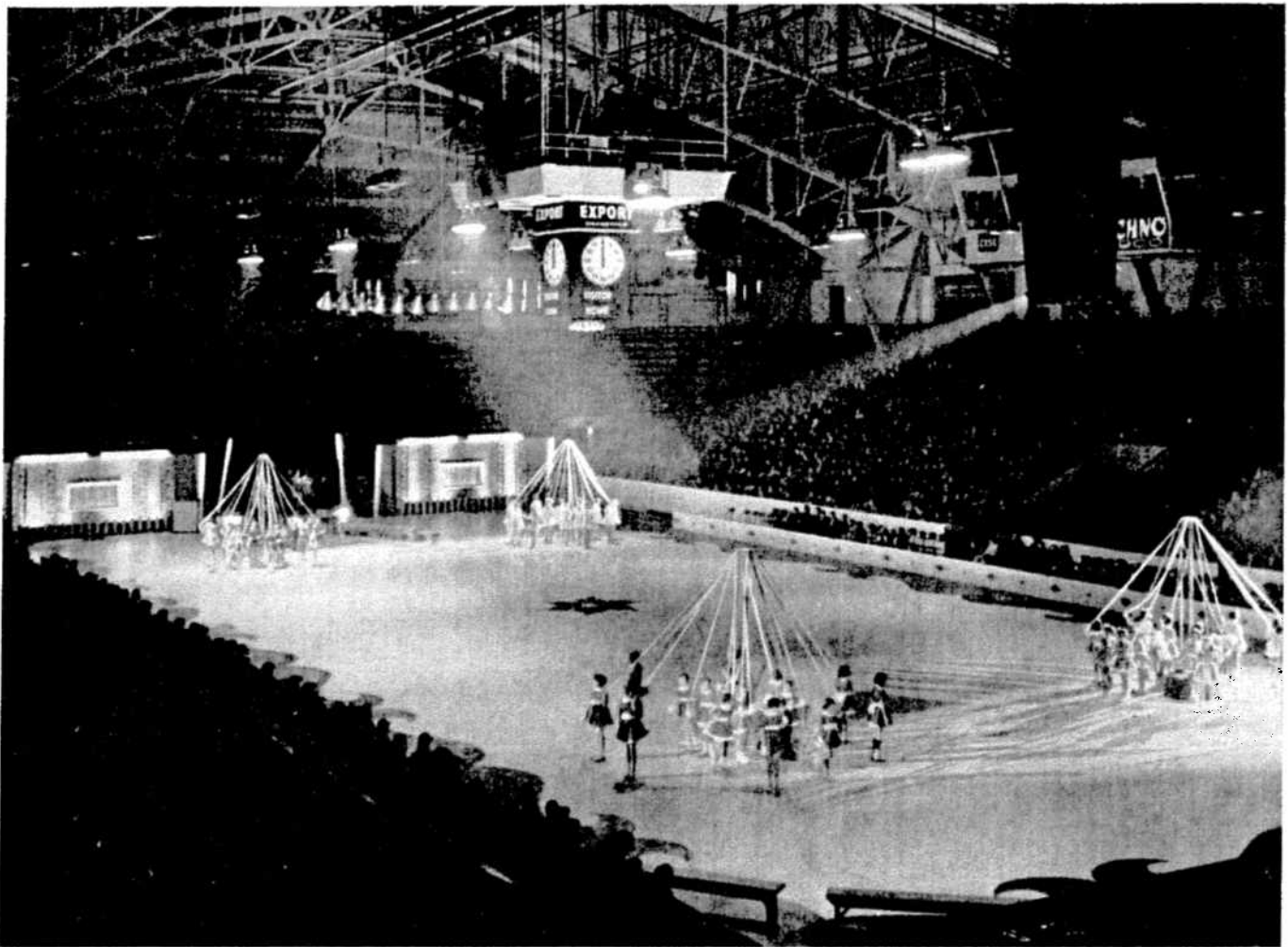


All-Ontario inter-scholastic hockey honors eluded Copper Cliff High School Braves this year, the final match at Weston ending 5-1 in favor of Bathurst Heights, a Toronto team. To give them their due, the Braves seemed tired and off color in the championship game, and failed to show anything approaching the form that swept them to the Nickel District and Northern Ontario titles. In this picture the Braves goalie, Ronnie Matte, is making no mistake on the hard drive unleashed by Neven of Bathurst Heights. The Copper Cliff player moving in from the right is George Lamacraft.



Dave Fuller blasts a drive from left wing at the Bathurst Heights goalie. Copper Cliff's only goal was scored by Dave's brother Bob. Quite a crowd of supporters made the trip to Weston to root for Coach Bert McClelland's team.





A breath-taking kaleidoscope of color was the Easter Medley in which junior members of the skating club paid tribute to the playgrounds of Sudbury. The group saluting the Elm West playground were costumed in blue, those for Riverside in green, for Kingsway in yellow, and for Victory Park in red. In the changing hues of the arena spotlights they presented a pretty sight as they skated around their Maypoles.

## First Carnival Sets a Brilliant Standard for Sudbury Skating Club

If the standard set by Sudbury Skating Club's first annual carnival is to be surpassed year by year, then the extravaganza-loving section of the Nickel Belt public (and it's a big one) can settle down to a future that would look good on Toronto, New York, or even Dallas.

Taking full advantage of the splendid facilities in the arena, and the highly artistic talents of its staff, the skating club presented a spectacle which, as a first-year effort, was little short of spectacular.

As it builds up a back-log of experience, and its 13-to-18 age group fills out, the club will win for its carnival a top-flight rating among the continent's ice shows.

Easter Parade was the timely title of the 1955 carnival, and from start to finish it breathed the spirit of Spring. Smart costuming, beautifully dramatic lighting effects, and some sparkling skating combined to make it memorable entertainment.

Always sure-fire with the audience is the junior court, in which a club's budding stars strut their stuff. A vast number of fledglings took part in this delightful feature, forming a background for the skating displays of some of the more experienced younger members. The charming fantasy of the toymaker's dream, with the part of

the toymaker played by that long-time enthusiast in Nickel Belt skating, Jack Gladstone, was enacted by a fascinating company of fairies, jack-in-the-box clowns, Parisian dolls, lollipops, Dutch dolls and other kinds of dolls, Lone Rangers, the daffodil ballet, and Mr. Sandman's court. The youngest of the 170 performers, all under 10, was 28 months old.

The "grown-up" part of the show was nicely paced and smoothly staged. Barbara Wagner and Robert Paul of the Toronto Skating Club, runners-up for this year's Canadian senior pairs championship, were a very pleasing team. Wayne Nute and Randal Livingstone uncorked some crazy comedy. Nancy Wilkins and other featured soloists were outstanding, and the club professionals, Joyce Salo and Sandra Duncan, who handled the show's choreography, gave polished exhibitions, as did that fine skater Elphio Grottoli.

Of the many willing volunteers who made their various contributions, large and small, behind the scenes, none was more deserving of orchids than Paul Boisvenue, who arranged the lighting, scenery, and ice design.

Satan, they say, usually feels like the devil.



The two young ladies with whom the toymaker, Jack Gladstone, is seen skating in our cover picture are shown here in closeup: Jaye Jarrett, daughter of Mr. and Mrs. W. C. "Duke" Jarrett, and Lynn Gladstone, rather well-known to Jack since she's none other than his daughter. "Duke" is on the Frood-Stobie No. 7 Shaft engineering staff and Jack is a converter building man at Copper Cliff.

# Inco Officials Confer with Sudbury District Colleagues



Dr. John F. Thompson, chairman of the board, Vice-Presidents J. Roy Gordon and Lance Cooper, the latter chairman of Mond Nickel Co., Inco's subsidiary in the British Isles, made an inspection of the Company's plants in the Sudbury District. In the first picture, above, Dr. Thompson is seen on the left chatting with C. D. Ferguson, agriculturist, and W. H. Armstrong, metallurgist, at a luncheon meeting. The second picture shows Mr. Cooper (right) with Mills Austin, works auditor, and J. C. Parlee, manager of reduction plants.



First of the above pictures has Mr. Gordon (right) talking with B. M. Forsythe, general purchasing agent, F. F. Todd, assistant superintendent of mines, and D. Fraser, assistant to the manager of reduction plants. H. F. Zurbrigg, chief mines geologist, is at the left in the second picture, and Dr. Thompson is making some remarks following a luncheon, telling how Inco sells and distributes its refined metals and other products on a world-wide scale through long-established distributors and a complex, highly organized system of Company sales and service offices. He said that in all his long association with the Company he had never felt its far-flung branches to be more closely knit by mutual understanding and unity of thought and purpose than they are now. Mr. Gordon and Mr. Cooper also spoke in the same vein.

## Inco Fellowships Spur Research

Basic research in geology and metallurgy is now going forward in five Canadian universities under a fellowship program instituted in 1951 and sponsored by The International Nickel Company of Canada, Limited, to the extent of an estimated \$80,000.

The National Council of Canadian Universities Scholarship Committee has just announced three new Inco Fellowships tenable for three years and the renewal of five others. The new fellowships go to John T. Cumberlidge and Andrew B. Whitehead, of McGill University, and Walter Morris, of the University of Toronto.

Mr. Cumberlidge, who holds a B.Sc. degree in geology from the University of Nottingham, is registered at McGill University for

an M.Sc. degree. His new fellowship studies will be into the nature of surface and strain energy in minerals which he will pursue under Dr. Vincent A. Saull, professor in the Department of Geology at McGill University. Mr. Cumberlidge's home is in Staffordshire, Eng.

Mr. Whitehead, who holds the degree of B.Sc. from the University of New Brunswick, is registered at McGill University for an M.Sc. and plans to continue for his doctorate. For his Inco Fellowship he will study quantitative detection of oxygen in metals by bombardment in cyclotron under Dr. J. S. Foster, chairman of the Department of Physics, McGill University. Mr. Whitehead's home is at Quinton Heights, Lancaster, N.B.

Third new holder of an Inco Fellowship, Walter Morris holds the degree of B.A.Sc. and M.A.Sc. in metallurgy from the University of Toronto. He will study X-ray diffraction of ferrous silicate slags encountered in non-ferrous metallurgy under Dr.

L. M. Pidgeon, Professor of Metallurgical Engineering at the University of Toronto. Mr. Morris' home is at 182 Rusholme Rd., Toronto.

The National Council of Canadian Universities Scholarship Committee has also announced renewal of five Inco scholarships for research already under way in four Canadian universities.

### FATE REMEMBERED

Reporter—Have any of your childhood hopes been realized?

Business man—Yes. When mother used to pull my hair I wished that I didn't have any.

### HAD EXPERIENCE

Jim: They say that paper can be used to keep a person warm.

Jack: You're telling me. I once had a mortgage that kept me sweating for twenty years!



**GARSON MINE:** R. Cayen (captain), W. Crump, R. Taylor, E. Hoffman, J. Morrison. Coach was S. Grassam.



**MURRAY MINE:** J. Martin (captain), G. Methe, W. Cichomski, J. Laurin, F. Krajnc. Coach was G. Scully.



**LEVACK MINE:** D. Ross (captain), W. Gorham, R. McFarlane, J. Todhunter, J. MacLean. Coach was J. Austin.



**FROOD-STOBIE MINE (No. 7 Shaft):** H. Healy (captain), A. Jones, E. Johnston, M. Jefferson, G. Janitans. Coach was A. Armitage.



**CREIGHTON MINE:** G. Andrews (captain), M. Leblanc, T. Trost, J. Lavigne, D. Loock. Coach was W. Young.



**COPPER CLIFF SINTER PLANT:** T. Ratkay (captain), R. Delorme, M. Burgess, A. Mancinelli, D. Gates. Coach was N. Meaden.



**CONISTON PLANT:** E. Pare (captain), G. Tessier, R. Keffer, J. Meslinski, D. Passmore. Coach was R. Bouchard.



**COPPER REFINERY:** A. Martin (captain), B. Fee, R. Fournier, H. Leblanc, F. Harrison. Coach was E. Holgate.



**OPEN PIT:** G. Wilcox (captain), C. Howell, L. Fletcher, A. Ruston, H. Durant. Coach was W. Scott.

## Garson Mine Wins Parker Shield in Dramatic Contest

In a dramatic final contest packed with action and suspense, Garson Mine out-pointed Copper Cliff Sinter Plant to win the Ralph D. Parker shield and the Inco inter-plant first aid championship for 1955.

It was the third time in the 17 years of the competition that Garson emerged triumphant. In the unavoidable absence of Mr. Parker, R. H. Waddington, assistant to the vice-president, made the presentation of the trophy to the happy captain, Roger Cayen, while coach Sammy Grassam and the other members of the classy team beamed their approval. Each man received an engraved medal and a \$50 bill.

By winning the semi-final contest for teams from underground mines, the Garson boys had previously acquired the H. J. Mutz shield. Similarly Tom Ratkay's Copper Cliff crew had been victorious in the semi-final for surface plants and had been presented with the Duncan Finlayson shield. White pullover sweaters and Hudson Bay blankets were other prizes both teams received.

A large audience followed the championship match closely. The Inco Club auditorium was bright with special lighting installed so movies could be taken for television. The whir of the motion picture camera and the flashing of speedlights bothered the seasoned first aiders not a whit as they went about their business.

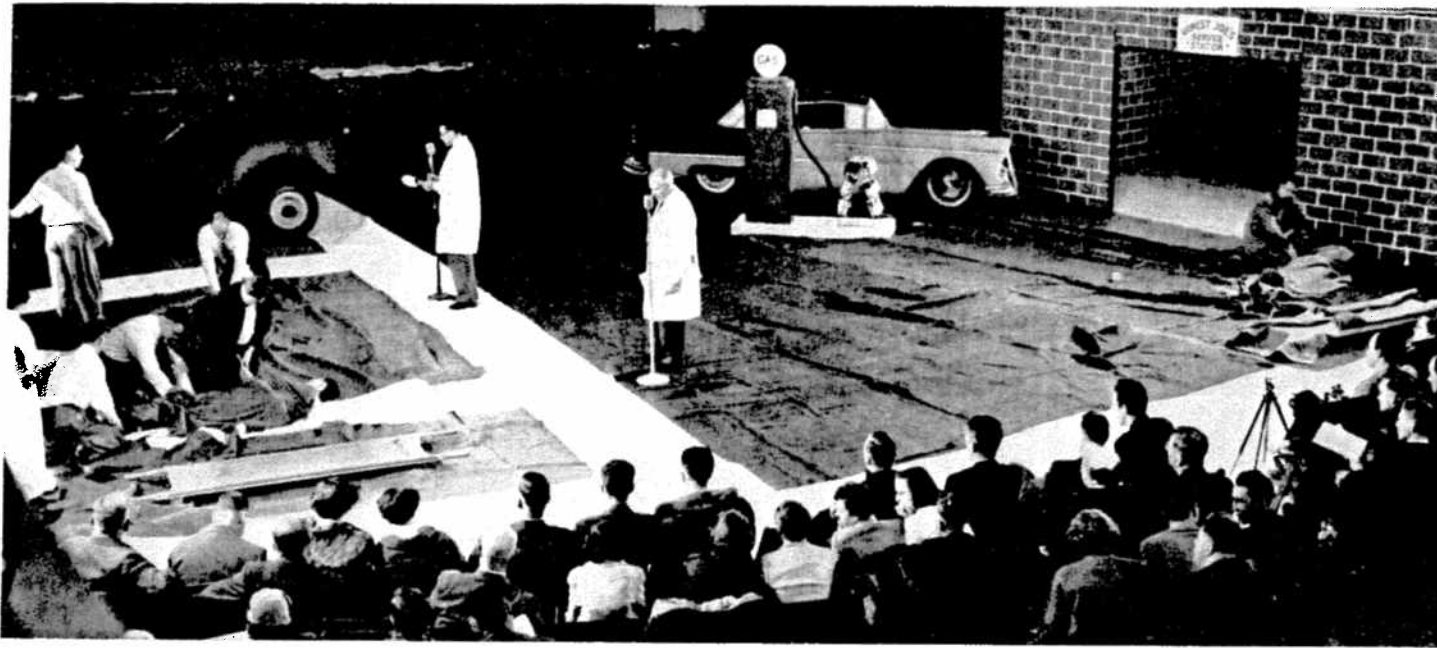
Tom Crowther, the Safety Department's specialist on mental torture, had cooked up a potent problem but both teams knew his reputation well and were prepared for the worst. They took pretty well in stride the startling situations that developed as the story unfolded. The audience marvelled at their coolness under stress and the breadth of their medical knowledge.

The realistically arranged setting for the contest represented "Green Street", but it was no place for a greenhorn as far as first aid was concerned. Trouble came thick and

(Continued on Page 14)



Dr. Bruce Wilson watches as G. Tessier of Coniston attends to a patient in the surface plant semi-final first aid contest. All teams competing in the semi-finals of the Parker Shield eliminations are shown on this page.



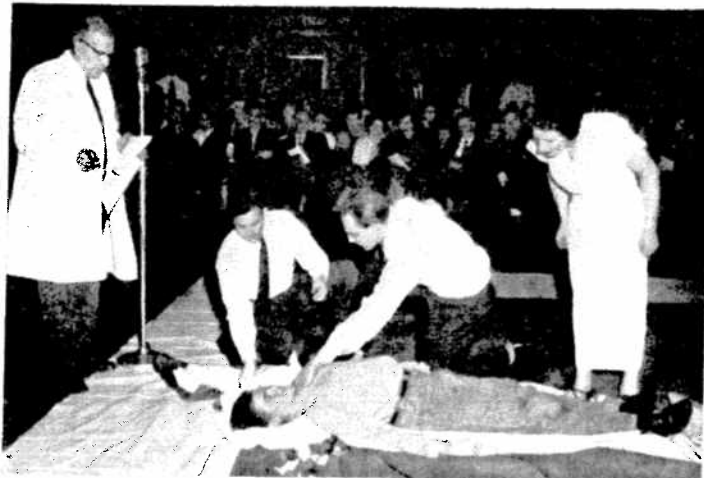
This was the view from the gallery at the 1955 inter-plant first aid final competition. Drs. Stanyon and Mowat are at the microphone and the Garson team are busier than one-armed paperhangers with the hives, looking after the ailments of the three "victims" the problem has produced. The Copper Cliff team has already had its innings. Special lighting was installed to photograph the contest for television.



Captain Tom Ratkay of Copper Cliff Sinter Plant reacts fast when he hears an explosion signalling more trouble for his team.



Leaving the first patient to two of his men, he examines the explosion victim, whose left arm has been severed by the blast.



Tom and one of his men make a final check with Dr. Mowat while the injured man's wife (Andy Muir) looks on anxiously.



Then came the crowning instalment of grief when a fireman was overcome by smoke and had to be given artificial respiration.



## Camera Catches Highlights Of Final First Aid Match



While Timekeeper Ed. Sutherland puts the watch on them, the Garson team make their first survey of the problem.



Good winners and good losers as Tom Ratkay congratulates Captain Cayen and Norman Meaden shakes with Coach Sam Grassam.



The Garson boys are seen here as they minister to their first patient, who had both legs broken. Dr. Stanyon is at the left.



Semi-final and final contests at the Inco Club were followed with keen interest by the largest audiences in years.



The Ralph D. Parker Shield, and a medal and a \$50 bill for each man, are presented to Garson by R. H. Waddington. He made special reference to the first aid given by Bob Taylor (fourth from left) following a car accident recently, showing the value of first aid training.

# Hot Four-Game Suburban Playoff Series Won by Creighton



A mighty happy bunch of citizens were these Creighton boys as they lined up for the Triangle camera just after putting the clincher on Lively in a torrid series for the Suburban Outdoor Hockey League championship. The playoff went four hectic games before the Creightonites were able to subdue the stubborn, hard-fighting Lively lads. In the front row, left to right, are L. Brownlee, S. Marcinishyn, M. Palys, E. Lebson, R. Rheault, D. Dumencu (coach), J. MacDonald, O. Aiello, K. McNaughton (business manager); front row, M. Waine, D. McLaughlin, B. Wolos, E. Zanier, D. Cassell, L. McLaughlin, S. Keskinen, D. McLaughlin.

## Festival Stars



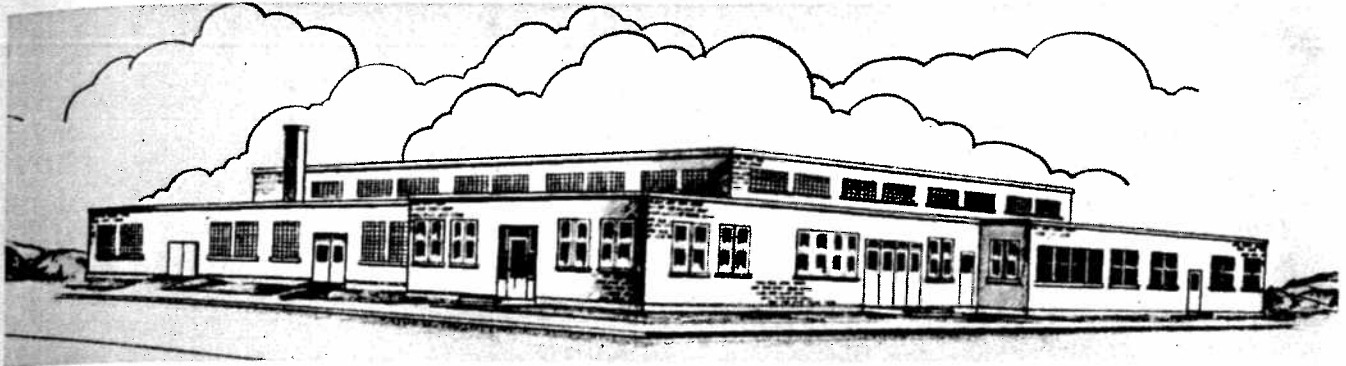
Daughters of well-known Nickel Refinery men, these two young ladies hit the headlines in the results of the 1955 Port Colborne music festival. Seated is Jean McPhail, daughter of Mr. and Mrs. Chris McPhail, who won the Walter rose bowl for the most outstanding vocalist, and beside her is Lois Prittie, the winner of the Richard E. Dwor trophy for the most outstanding pianist, whose parents are Mr. and Mrs. Allan Prittie.

## League President Presents the Trophy



Toivo Sandala (left), president of the Suburban Outdoor Hockey League, presented the Fielding Trophy to R. Rheault, who accepted it for the Creighton team. Immediately behind them, holding the microphone, is Pat Heaphy, major domo of Stanley Stadium, where the gruelling playoff series was staged. Both Creighton and Lively teams were backed by large contingents of screaming supporters armed with every known type of noise-maker, and the din when a goal was scored made the venerable rafters tremble. Waters and Kelly Lake were other teams in the Suburban League, which was won by Creighton last year too.

## Second Recent Major Improvement for Coniston



An artist's impression of how the new changehouse and office building at Coniston, now under construction, will look.

### New Changehouse Is Now a-Building; Chimney Complete

Coniston Smelter is to have a new changehouse and office building, it was announced by Ralph D. Parker, general manager of Inco's Canadian operations.

This will be the second recent major improvement at the Coniston plant, the huge 400-foot concrete chimney and dust chamber having gone into full operation about six weeks ago.

Construction of the smartly designed new building is well underway on the site immediately north of the present "dry."

The changehouse section will be equipped for 725 men, and will have the most modern shower and washroom facilities. Connected with it will be a foremen's "dry," first aid rooms, and of course the clock aisle.

The south-west wing of the new building will be occupied by the plant's administrative offices. The superintendent and his assistant, the general office, and the time office will be located here. A large lunch and conference room will also be provided in this section.

In the south-east part of the building the metallurgical department will be established, with large rooms for sample preparation and laboratory, balance and supply rooms, office and lunch room.

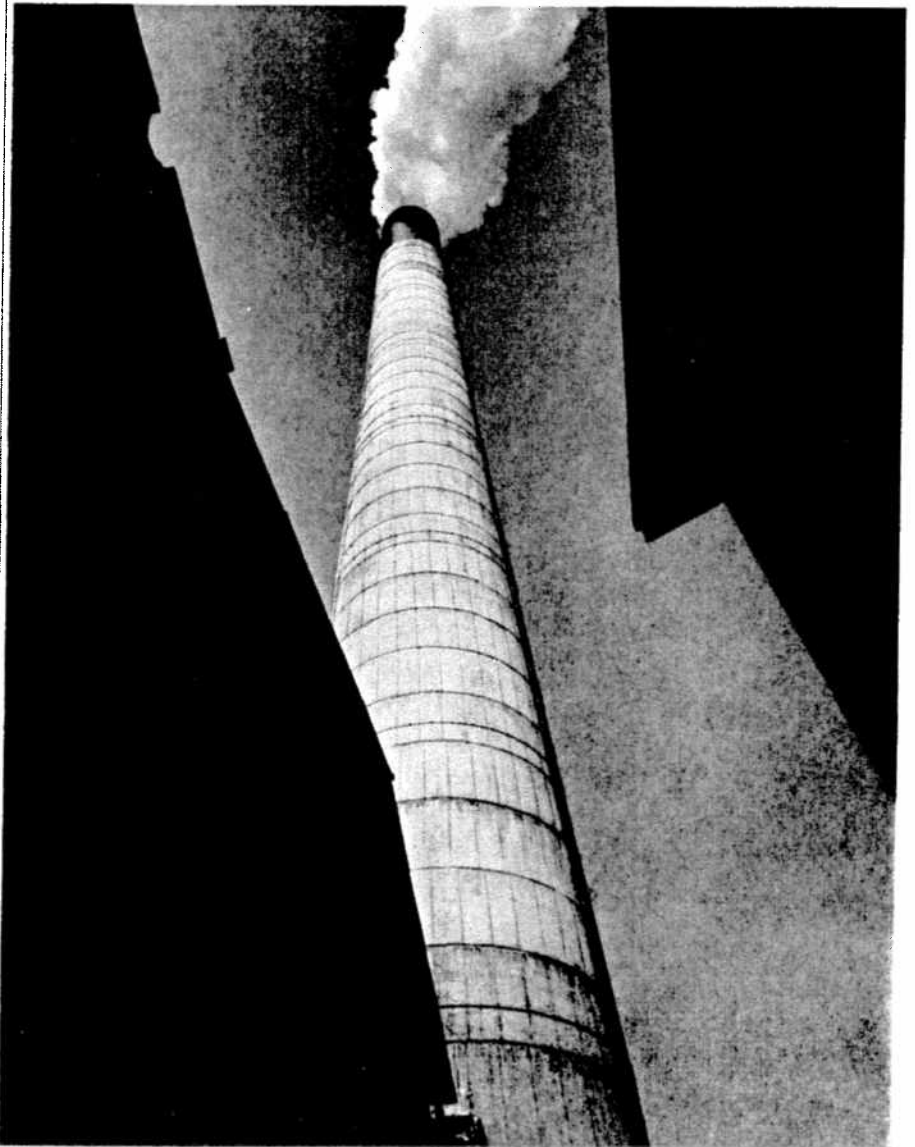
The great new chimney now dominating Coniston's skyline has, with its base, a total weight of 16,280,000 lbs.

Other "vital statistics" about the chimney are given in the following figures from the demon statisticians in the Mechanical Engineering Department at Copper Cliff: Average height of pad on rock below grade, 7 feet approx.; height of foundation above grade, 14 feet, 6 inches; height of chimney shell, 400 feet; inside diameter of chimney at base, 39 feet; outside diameter of chimney at base, 45 feet, 9 1/4 inches; inside diameter of chimney at top, 20 feet; outside diameter of chimney at top, 23 feet; brick lining for 60 feet above base, 8 inches thick; brick lining for top 340 feet, 4 inches thick; stainless steel coping for top of chimney shell, 6,700 lbs.; volume of concrete in the pad, 625 cubic yds.; volume of concrete in the base, 575 cubic yds.; volume of concrete in the shell, 2,023 cubic yds.; total volume of concrete, 3,123 cubic yds.; reinforcing steel in the base and the pad, 93,500 lbs.; reinforcing steel in the chimney shell, 116,500 lbs.; total number of brick in the lining,

352,000 chimney brick; volume of insulation between lining and concrete, 8,550 cubic feet; weight of insulation, 51,300 lbs.; total weight of reinforcing steel, 210,000 lbs.; total weight of brick and mortar, 3,520,000 lbs.; total weight of concrete, 12,492,000 lbs.; dust chamber addition, 90 feet, 8 inches long by 66 feet, 10 inches wide by 60 feet average height.

#### VERSATILE NICKEL

There are over 3,000 alloys currently used containing nickel in varying proportions—an indication of the importance and versatility of nickel as an alloy element. The nickel percentage in these alloys varies from 99.7% in malleable nickel to upwards of 0.20% in low alloy—high strength steels.



The new concrete chimney at Coniston soars skyward, gracefully waving its plume of prosperity. Part of the dust chamber is seen on the left.



## Gardening Hints

### PROPER WATERING

Believe it or Not—you should water your plants only once every week or ten days. Then really SOAK them.

Frequent sprinklings do more harm than good by bringing roots near the surface to be cooked or frozen.

One way to give a good watering is with plastic soaker hose that sprinkle from holes its entire length. When soil is saturated move hose to another spot.

If an ordinary hose is used remove nozzle, lie end of hose on board to distribute water and turn tap just half on for gentle flow.

When watering Evergreens soak the roots, but water tops only to remove dust.

Early morning is one of the best times to water.

### PRUNING SHRUBS

You will have more shapely shrubs by following a few pruning tips.

To offset loss of roots at planting time cut newly transplanted shrubs back severely. Spare the shears—spoil the shrub!

To prune older shrubs, cut out any dead or damaged branches and remove 2 or 3 old branches right at ground level. Don't just snip off the tops!

Spring-flowering shrubs you prune as soon as they finish blooming: Cydonia, Deutzia, Forsythia, Lilacs, Climbing Roses, for instance.

Late-flowering shrubs you prune in late winter or early spring: Barberry, Buddleia,



Studying the seed catalogues as the planting season rolled around were Mr. and Mrs. Gord Penstone and their son Bob, who always have attractive beds of flowers front and back of their home on Weller St., Minnow Lake. Gord is a Copper Refinery man.

Althea, Hydrangea, Kerria, Privet, Honey-suckle, Mockorange, bush Roses, Tamarix, Prune Weigelas, Spirea, Anthony Waterer after first bloom and have more blooms.

### CARE OF PERENNIALS

You expect your perennials to remain in one place for several years—so prepare the soil well before planting. Add manure, peat moss and bonemeal, then dig deeply and thoroughly. Each year keep weeds out, ground surface worked up, and fertilizer worked in. Agricultural lime put on every

## Levack Holds First Skating Carnival



Encouraging progress was made this year by the Levack Skating Club, most of whose members had their first fling at figure skating after the town's new arena was opened, and great things can be expected of the organization as it gains skill and experience. Picture was taken during the club's first carnival, a largely attended event in which the featured performers included Joyce Salo and Elphio Grottoli, professionals, and Kaarina Tullisalo and Betty Peura, Northern Ontario ladies' pair champions.

three years sweetens soil, loosens heavy earth and makes sandy soil more compact.

**WATERING:** If soil is properly prepared water will be needed only during draughts—then soak thoroughly once a week, in early morning.

Encourage a second crop of bloom by keeping dead blooms cut off, thorough watering and fertilizing.

**STAKE** tall and slender plants inconspicuously in centre of clumps so growth appears natural, not bundled.

## Success

Success is not in getting rich or rising high to fame;

It's not alone in winning goals which all men hope to claim;

It's in the man you are each day, through happiness or care;

It's in the cheery words you speak and in the smile you wear.

Success is in the way you walk the paths of life each day;

It's the little things you do and in the things you say;

Success is in the glad hello you give your fellow man;

It's in the laughter of your home and all the joys you plan.

Success is being big of heart and clean and broad of mind;

It's being faithful to your friends, and to the stranger kind;

It's in the children whom you love, and all they learn from you.

Success depends on character and everything you do.

Since the end of World War Two Canadians have built nearly 750,000 houses with a market value approaching eight billion dollars sufficient residential building to accommodate about 3,000,000 persons.

## Computing Pensions

Inco's Board of Directors has had under consideration for some time the question of a change in the computation of the average final compensation on which pensions are based and it has been determined that effective March 1, 1955, the average final compensation will be computed on the average of the highest five years in the ten years immediately preceding the retirement of a member instead of the five years immediately preceding retirement.



### ANOTHER PRIZE FOR HELEN

A second year pre-medical student at the University of Western Ontario, 20-year-old Helen Maki has been selected to represent her university at a study seminar in Japan July 2 to September 17. One of the most brilliant students ever to graduate from Sudbury High School she averaged better than 92 per cent on her final year's work and was awarded two scholarships and several prizes. Her parents are Mr. and Mrs. Jack Maki of Mabel Ave., Sudbury, and her dad is a Frood-Stobie man.



# Roy Bue's Rink Winner of Frood-Stobie Grand Aggie

An experiment that surprised everybody by drawing an entry of 48 rinks, even though at least 60 per cent of the players had never seen the game before, Frood-Stobie Athletic Association's curling bonspiel was undoubtedly established as an annual event. It was played at the Copper Cliff Curling Club, which will probably reap a harvest of new members next year as a result.

Roy Bue and his team of Leo Marcotte, Maurice Cayen and Gerry Mulligan took the second event and then went on to win the grand aggregate in a three-way playoff, becoming first winners of the Athletic Association's handsome trophy.

Toby Armitage staged a great finish to win the first event, counting four on the final end to edge out M. Coulter 11-10.

Members of the committee in charge of the highly popular 'spiel were C. H. Stewart, E. Dickie, O. Penman, L. Cranston, and W. McIntosh.



Wally McIntosh, Eldred Dickie and Ted Godard pose with trophy for C. H. Stewart's camera.



WINNERS OF FIRST EVENT, Toby Armitage, E. Munro, E. McChesney and J. Witty.



RUNNERS-UP FIRST EVENT, M. Coulter, S. Wilson, D. Domonsky, and T. Foster.



WINNERS OF SECOND EVENT, Roy Bue, L. Marcotte, M. Cayen, and G. Mulligan.



RUNNERS-UP SECOND EVENT, A. Pasleska, H. Morris, G. Lockhart, O. Hopkins.



WINNERS OF THIRD EVENT, W. Woolacott, A. Stone, M. Teahen, and R. Houle.



RUNNERS-UP THIRD EVENT, V. Schneider, M. Malloy, F. Duberry, and R. Tobin.

## Gardeners Will Soon Be Seen in Action Here



Ready for planting are the grounds around these attractive dwellings on the west side of the highway at Lively, part of the group of 75 which Inco completed last year. Knowing the truth of the adage, "It's not a home until it's planted," the homemakers will soon be busy adding flower beds and shrubs to beautify their surroundings. Lawns were built by the Company last year, and street-line plantings of maple and elm will be installed this spring. The picture shows the corner of 6th Avenue and Queen Elizabeth Street.

## Garson Mine Wins Parker Shield

(Continued from Page 7)

fast. First a mechanic at Honest Joe's Garage got pinned against the wall by a jeep whose driver was lost in admiration of a new model car pulled up at the gas pumps. While the first aiders, who happened on the scene, were attending the unfortunate mechanic's two broken legs, a mighty explosion shook the Modern Bake Shop across the street. Dragging the proprietor from the smoke-filled building, two members of the first aid team found that his left arm had been completely severed just above the wrist, and both his legs were injured, one fractured.

And still the plot thickened. One of the firemen who answered the call to battle the blaze in the bakeshop became asphyxiated and had to be given artificial respiration. So the first aiders had no less than three patients on the go at the same time. That they came through this three-ringed circus of misfortune still in possession of their sanity seemed little short of a miracle.

Dr. H. F. Mowat, Inco's chief surgeon, and Drs. J. H. Stanyon and J. K. Bromley were judges of the competition.

In his presentation remarks R. H. Waddington revealed that a total of 157 teams took part in the Inco first aid competitions this year. "With the 583 men who this year trained for the first time, we now have a total of more than 3,600 trained First Aiders, which means approximately one man out of every four in Inco mines and plants of the Sudbury District," he said. He pointed up the value of first aid training in saving lives and alleviating suffering not only on the job but also on the highway and in the home: "As a matter of fact, one of the Garson team here tonight, Bob Taylor, received much favorable attention a few weeks ago for the assistance he was able to render at the scene of a road accident."

Both teams were congratulated by Mr. Waddington on their "outstanding display", and all who assisted in staging the competitions were sincerely thanked for their cooperation.

### AFTERBURNERS ON JETS

Many military jet airplanes today are fitted with afterburners which provide additional power for brief periods during take-off, climbing and combat maneuvering. Resembling a large stovepipe, the afterburner is similar to another complete engine attached to the exhaust of the airplane's jet engine. In the afterburner, additional fuel is injected into the hot exhaust gas from the jet engine and, mixed with the unburned oxygen in the exhaust, is ignited and burned. The temperature and velocity of the exhaust jet is thus greatly increased to provide additional power to the main engine. As severe conditions of temperature and stress are

encountered, wrought high nickel alloys with good strength at elevated temperatures and resistance to oxidation are employed for the outer shell as well as structural parts of many afterburners.

### GETTING ACQUAINTED

A mild little man walked into an income tax inspector's office, sat down and beamed on everyone.

"What can we do for you?" asked the inspector.

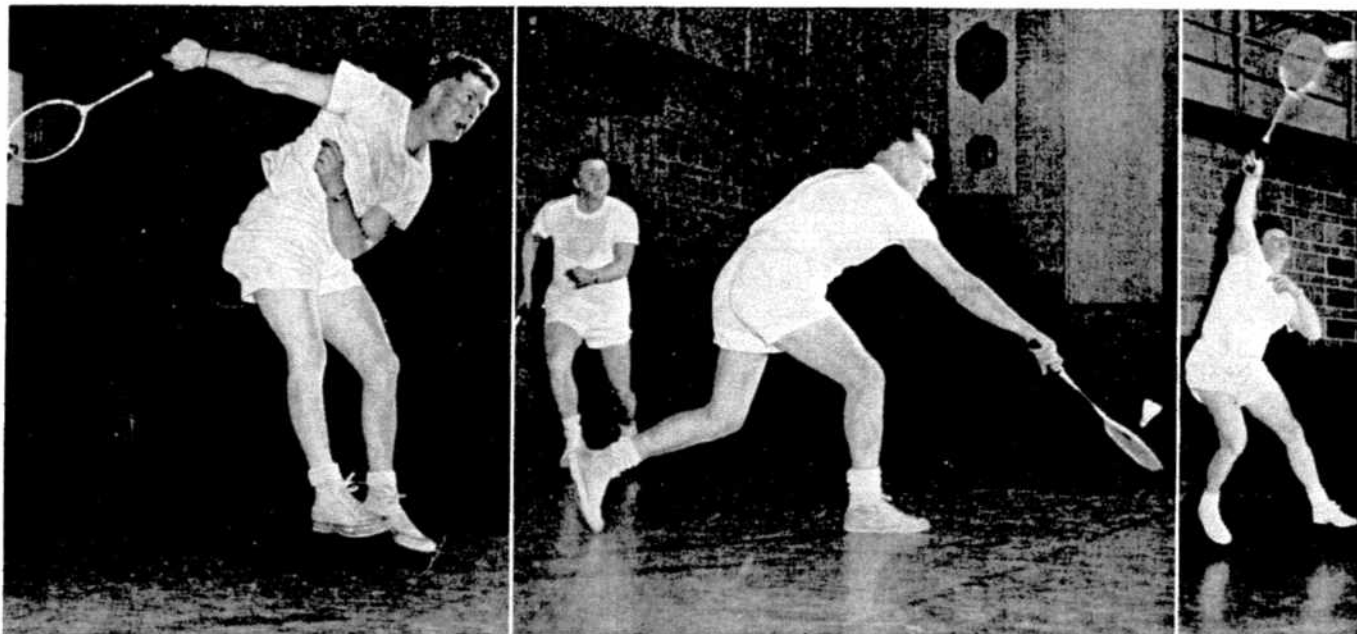
"Nothing, thank you," replied the little man, "I just wanted to meet the people I'm working for."

## Four Queen's Scouts at Coniston



Four Queen's Scouts were among the 200 Cubs, Scouts, fathers and friends attending the annual Coniston father-and-son banquet held this year in St. Paul of the Apostles Church. They're shown left to right here, David Cresswell, Gerry Geoffrey, Jack Rogerson and Bob Hood, and seated in front of them are their dads, Jack Cresswell, Gerald Geoffrey, J. C. Rogerson and Robert Hood. A highlight of the evening's presentations of Scouting proficiency badges was the award of the coveted Gold Cord to Gerry Geoffrey, 17, who has earned more than 18 badges.

## Some of Port Colborne's Badminton Stars on the Move



Almost any Monday evening during the winter months there's some fine badminton to be seen at the Recreation Club in Port Colborne when some of the senior players go into action. The Triangle camera recently picked off these pictures: on the left, Rod Nixon is "stopped" in mid-air as he finishes one of his powerful overhead smashes; in the centre, Jack Kaiser races to cover his position while Archie Saville makes a low backhand recovery of a smash by the opponents; on the right, Ellery Neff gets away a high hard one from the baseline, the bird just a blur as it leaves his racquet. That Ellery looks pretty frisky, eh?

## Students Hear Talk On Engineering at Inco as a Career

Engineering was the subject covered by G. S. Jarrett, Inco administrative assistant, in the annual Careers Day program at Sudbury High School when leaders in various vocations addressed groups of the students to give them guidance in the selection of their life's work.

Discussing engineering from the angle of employment at International Nickel, Mr. Jarrett said Inco is particularly interested in technical graduates in mining, geology, metallurgy and chemistry, and also in

those graduating in mechanical and electrical engineering. He had full encouragement for skilled artisans too, saying there is no limit to the peak a man can reach with Inco by his own efforts.

Broadly speaking, he said that in the Company's Mining Department engineers found scope for their training in surveying, in the establishing of mining standards by job analyses and time studies, in the development of mining efficiency, in actual mining operations, in geology for mine development and control, and in geology and geophysics for exploration. In the metallurgical and chemical sections of the industry, engineers could be employed in research, process control, test engineering and efficiency, and actual operations. He emphasized that the greatest field for advancement was found in operating departments. Mechanical and electrical engineers were engaged chiefly in maintenance work.

Regarding the opportunities for advancement in Inco, Mr. Jarrett quoted a letter written by one of the Company's executive officers in reply to such an enquiry:

"You enquire if employment in our Mines Engineering Department will eventually lead to a supervisory job in production. The opportunity for such advancement is most certainly available to every individual qualified as you are for this type of endeavor. However, such advancement is not automatic, it does not come by seniority, but depends upon the attitude of the individual, his industry, ability and personality. This, of course, is not only true of this particular job. It is true of any job with any company but we can assure you that you will have ample opportunity to show what you are capable of."

"If you enter our employment with the idea of making a success of your career you have taken a big step towards that goal."

To travel from Montreal to Kingston, now a four-hour train trip, took three days by early stagecoach.

Quebec City's first street lights burned fish oil as fuel.

## Plenty Time Now for Romps with Grandson



Two fellows who seem to get along pretty well together are Ignac Barnoski of Coniston and his grandson David, 8 mos.

Now that he's retired on pension, Ignac will have lots of time to romp with David, and nothing could suit him better, with a little gardening thrown in for good measure.

Born in Poland on February 12, 1890, Ignac stuck out for Canada in 1920, going to Prince Albert, Sask., where his father-in-law had a farm and a garage business. Four years later he headed east to Sudbury and landed a job with Mond Nickel on the charge floor at Coniston Smelter, where he completed 31 years of faithful and valuable service.

He was married in Poland in 1919 to Amelia Kozak, who was in Hamilton visiting their daughter Nellie (Mrs. Bill Black) when the Triangle came to call, and so was missed by our camera. Their son Joe lives in Coniston. They have four granddaughters.

His colleagues in the plant, who have long admired Ignac's quiet dependability, wish him a long and happy retirement.



G. S. Jarrett addresses High School students on Careers Day.



# SNAPSHOTS

## OF LIFE WITH INCO



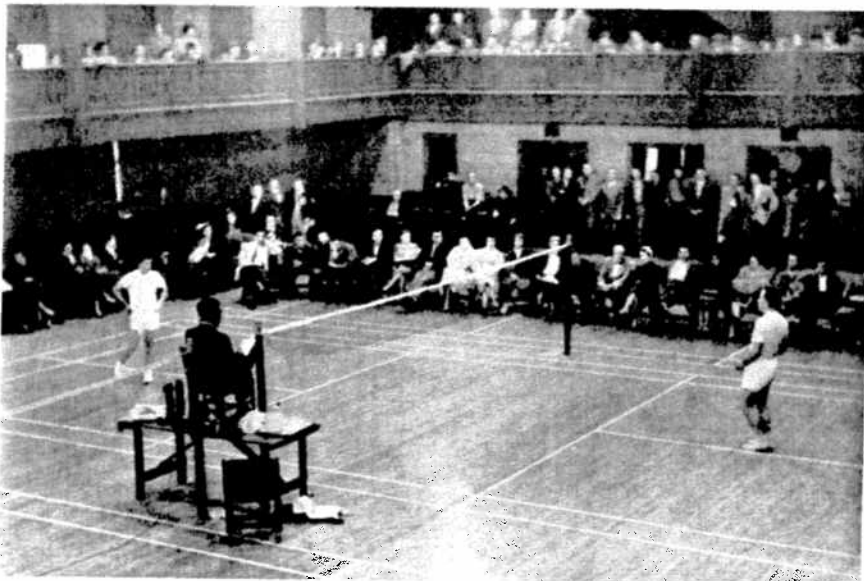
First annual bonspiel of Sudbury Business Girls' Curling Club was a success from every angle. The competition was keen, the prizes fancy, and the fellowship tops. One winner was Mary Kirk of the Accounting Department at Copper Cliff. She played lead on the rink skipped by Marie Noble which won the Third Event; also on the team were Dorothy Purvis and Helen Basso.



First fellow we ever met who actually slipped on a banana peel and broke his arm was Ed Charland, a trackman at Copper Cliff Smelter. The accident happened when he was coming out of his home on Cedar St. in Sudbury. At first Ed was inclined to think it was a most annoying bit of bad luck but after a day or two his opinion had taken a decided turn for the better. This change of mind may have been due to the comforting knowledge that his accident insurance was taking care of things while he was laid up, but we'd put our money on reasons like Nurses Norma Hashey and Sadie Yoshimura, and the wonderful care you get at the Inco hospital in Copper Cliff.



In the roar of the freshet as it leaps through the crevice in the rocks the day-dreaming boy hears the exultant shout of Spring at her release from Winter's bonds. The picture was made beside the old highway near Worthington.



This was the scene at the Inco Employees Club in Sudbury as young Eddie Hreljac, the Creighton badminton sensation who recently won the Ontario junior championship, faced John Hartman, crack Sudbury senior player, in the final match for the Nickel Belt singles title. Eddie won, 15-8, 18-13, after a thrilling battle. John later teamed with Gino Gonella of Creighton to win the men's doubles from Eddie and his partner, Harry Narasnek. Jean McCrae made a clean sweep in the ladies' events, taking the singles and teaming with Nellie Smith and Eddie Hreljac to share two doubles championships.