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Play Ball!



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Sullivan Men Win the Medal For Bravery

Recognized as the Victoria Cross of Canadian mining is the Medal for Bravery awarded by the Canadian Institute of Mining and Metallurgy for acts of heroism in the mining industry. It was founded in 1933 by the late E. A. Collins, assistant to the vice-president of Inco, when he was president of the institute.

An award is made only in the case where a man knowingly risks his life in attempting to rescue a fellow worker, and the Medal for Bravery committee is convinced that an "outstanding act of bravery" has been committed. Since the first award in 1935, only 40 men have received the award, ten of them from Inco.

At the 1954 convention of the institute in Montreal, two men from the Sullivan Mine of Consolidated Mining & Smelting Company, Bud Childress and Ous Eliuk, received the highest tribute within the gift of the CIMM for an act of conspicuous heroism. The deed which won them the Medal for Bravery has been described as follows:

It was February 20, 1953. Bud Childress. and his partner, E. Olson were drilling a small pillar underground at the Sullivan. They had nearly finished the job. As a matter of fact were drilling the last hole when the pile of muck on which they were standing started to move. It was evident that water used for settling dust and cooling the drills was having an effect on a hang-up which they did not know was there. pile of muck was starting to move. It swept however, was able to grab the air hose of the drill as he started to slide and pulled himself free of the downward cascade of muck.

Bud shouted down to Olson, "Are you okay?'

Back came the answer from far below, Yes, okay."

Bud sized up the situation. He decided it would be impossible to bring Olson up the raise. The muck had completely closed over him. He immediately went down the manway, a distance of about 45 feet, to the 3907 drift. There he met Gus Eliuk, and told him of what had happened. They went to the chute at the bottom of the 39216 raise and were able to talk to Olson, but they couldn't see him as the chute was full of

muck. They decided that the only way to rescue Olson was through the chute, and started digging with their hands through the muck. By careful digging they managed to get a hole in the muck large enough for a man to crawl through. Bud and Gus climbed up through the narrow hole and found Olson about 15 feet up the raise, and buried to his The muck had apparently hung up waist. again, thus saving Olson from being completely buried.

With complete disregard for their own

Saw Ottawa in Grand Style



has seen Ottawa in the style usually reserved and finally about \$1,400 was in the kitty. for dukes, ambassadors, and visiting firemen. The annual educational trip of Creighton's

As usual, everybody eagerly lent a hand to raise money for the big trip. The mothers of the students put on a dinner, and their fathers raffled a TV set. High School plays re-staged in Creighton, either all or part of mill, and the city itself. the proceeds being turned over to the Grade cards, made \$25.00 taking the census, did and Mrs. L. McLean,

Another senior class at Creighton school many an odd job to swell the excursion fund,

With popular Arnold Mackwood at the wheel of the big Greyhound bus, the Creigh-Grade 8 was described by the principal, Miss ton tour started with a visit to the George Ursula Black, as "the best yet", and she Gordon Co. mill at Cache Bay. Then came ought to know because she has arranged and managed them all, over the years. of interest thoroughly studied at Ottawa included both the National and Art museums, the parliament buildings where J. Leo Gaudownward into the 39216 raise. Oison wasn't fathers raffled a TV set. High School plays able to do anything about the situation and from both Copper Cliff and Coniston were was carried down with the muck. Bud, re-staged in Creighton, either all or part of the Ottawa Citizen, the Gatineau paper

Accompanying the 35 students on the ex-Fers. The kids themselves sold Christmas cursion were Miss Black, Mrs. V. Tremblay,

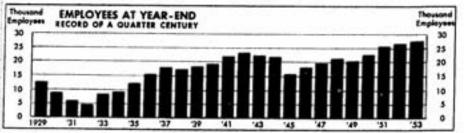
safety, they started digging to free Olson, of the Medal for Bravery Committee. As a knowing full well that at any moment the result, Bud and Gus have now joined the down on top of them. They managed to free the trapped man and take him very carefully out through the escape hole to the chute platform.

hang-up could let go and the muck cascade select circle of men who have received the award since its start in 1933.

BREAKING THE NEWS

Smoothie: "Honey, did that kiss I just Their action in rescuing Olson from almost gave you make you yearn for another?" certain death was reported to the Chairman | Cutie: "It sure did, but he's out of town."

The Chart of Employment at Inco



INCO FAMILY ALBUM

No tears are being shed over the arrival of the annual vacation season, as far as the Triangle could ascertain during its regular picture-making circuit of the Inco family front. Met and enjoyed during the tour were: (1) Mr. and Mrs. Fred Dubery (Frood-Stobie Mine) with Sharon, 10, Patricia, 7, and Billy, 4. (2) Mr. and Mrs. Orville Cull (Garson Mine) with Judith Lynn, 3½, and Kenneth, 7 mos. (3) Mr. and Mrs. Bob Hood (Coniston) with Robert, 16, and Tommy, 9. (4) Mr. and Mrs. Bob Forsythe (Copper Refinery) with Brent, 1. (5) Mr. and Mrs. Eugene Sylvester (Copper Cliff Shops) with Eugene Jr., 8, Suzanne, 5, Pauline, 9, and Patricia, 19 mos. (6) Mr. and Mrs. Wm. Bardwich (Creighton Mine) with Nancy, 22 mos., and Susan, 3½ mos. (7) Mr. and Mrs. Clarence McDowell (Port Colborne Refinery) with Marjory, 15, Jack, 12, and Rolly, 11.















Two of the Big Winners at Cliff



Victors in the Colts Event at Copper Cliff Curling Club, photographed above, were J. Simpson (skip), W. Young, G. McDowell, and A. McGhee.



The Single Rink Event at Copper Cliff was won by this foursome: A. D. Harrsson, W. Bray, B. Leelair, and G. Montgomery, who was subbing for S. Graham.

Taylor Takes Collins Event

'Good to the last rock" was the curling season which members regretfully watched slip into the limbo of the past at the Copper

Ringing down the curtain on another fivemonth schedule, the 9th annual Post-Season Bonspiel drew 75 rinks. Hotter than a dimestore pistol, Ron Silver skipped the winning quartet for the second year in a row; prizereceiving with him were Gord Harry, Bert McClelland, and Phil Forster. Other victori-

SINGLE RINK EVENT
Ous skips were Milt Moran and Don Groom.
Bill Taylor led his strong rink to a wellwon triumph in the Collins, blue-ribbon event on the club calendar. Fred Rinaldi skipped the runners-up of a theiline feet of the collins of the

Winners: R. C. McLeod (skip), B. Dorigo.
P. W. LaRocque, C. W. Overton. Runnersup: R. W. Brown (skip), W. Dydyk. M. Up: F O. Rinaldi (skip), B. Dorigo, V. Pianosi,
Laplante, V. Tremblay.

COLLINS EVENT

Winners: W. J. Taylor (skip), E. O. Tigert,
M. Whittles, A. Silver, A. R. Clarke, Runnersup: F O. Rinaldi (skip), B. Dorigo, V. Pianosi,
E. Pevato, B. Volnini.

INTER-RINK EVENT

Winners: C. M. Harrison (skip), B. Dorigo, J. J. Blackport, D. Wyman, Runners-up; S. Kurmaski (skip), D. Duncan, A. R. Thornborough, R. G. Woolncott.

CONSOLS EVENT

Winners: W. Johnstone (skip), A. Boyd, W. McKay, W. Flowers. Runners-up: W. Allan (skip), W. Dydyk, M. Whittles, J. Livingstone.

COLTS EVENT

Winners: J. Simpson (skip), W. Young, G. McDowell, A. McGhee. Runners-up: C. H. Stewart (skip), H. W. Peterson, A. Puppato, H. L. VanDyke.

Results of competitions at Copper Cliff Romanick, E. Sutherland, Runners-up: B. Dirate."

When I was a boy," reminisced the famous lawyer, "my highest ambition was to be a Curling Club during the season were as O'Brien (skip) W. Livingstone C. Manuelle, and the season were as O'Brien (skip) W. Livingstone C. Manuelle, and the season were as O'Brien (skip) W. Livingstone C. Manuelle, and the season were as O'Brien (skip) W. Livingstone C. Manuelle, and the season were as O'Brien (skip) W. Livingstone C. Manuelle, and the season were as O'Brien (skip) W. Livingstone C. Manuelle, and the season were as O'Brien (skip) W. Livingstone C. Manuelle, and the season were as O'Brien (skip) W. Livingstone C. Manuelle, and the season were as O'Brien (skip) W. Livingstone C. Manuelle, and the season were as O'Brien (skip) W. Livingstone C. Manuelle, and the season were as O'Brien (skip) W. Livingstone C. Manuelle, and the season were as O'Brien (skip) W. Livingstone C. Manuelle, and the season were as O'Brien (skip) W. Livingstone C. Manuelle, and the season were as O'Brien (skip) W. Livingstone C. Manuelle, and the season were as O'Brien (skip) W. Livingstone C. Manuelle, and the season were as O'Brien (skip) W. Livingstone C. Manuelle, and the season were as O'Brien (skip) W. Livingstone C. Manuelle, and the season were as O'Brien (skip) W. Livingstone C. Manuelle, and the season were as O'Brien (skip) W. Livingstone C. Manuelle, and the season were as O'Brien (skip) W. Livingstone C. Manuelle, and the season were as O'Brien (skip) W. Livingstone C. Manuelle, and the season were as O'Brien (skip) W. Livingstone C. Manuelle, and the season were as O'Brien (skip) W. Livingstone C. Manuelle, and the season were as O'Brien (skip) W. Livingstone C. Manuelle, and the season were as O'Brien (skip) W. Livingstone C. Manuelle, and the season were as O'Brien (skip) W. Livingstone C. Manuelle, and the season were as O'Brien (skip) W. Livingstone C. Manuelle, and the season were as O'Brien (skip) W. Livingstone C. Manuelle, and the se W. Draper.

SPECIAL EVENT

Winners: J. W. Garrow (skip), L. Canapini, R. Johnson, W. Bray. Runners-up: J. A. Butler (skip), H. Mulligan, W. Regan, J. Vetterell, G. D. Poulton.

C. W. NUTE EVENT (High School Juniors)

Winners: Dick Ogilvie (skip), Ron Matte,

Frank Bennett, Dave Fuller.

Copper Cliff Curling Club's annual stag, at which trephies and prizes are presented and officers elected for the coming year, was held at the Italian Club on Thursday, May 13, at 7.30 and drew a capacity crowd as

20 Grandchildren Are His Treasures

Ferdinand Lalonde sits in the sun porch of his comfortable home out on Sudbury's Bancroft Drive, and thinks of the time when here were 13 around his table, and the oldest child had not yet started to work when the youngest was born. Those were days when every penny counted, but they were happy days and the memory of them brings a glow of gratitude to his heart.

Retired now on an Inco service pension, he counts his greatest treasures among his 20 grandchildren, most of whom live near enough for a daily visit. Our picture shows him with the youngest, Emily, 2 months old. First starting at Coniston smelter for Mond



Nickel Co. in 1915, Perdinand left at the end of three years to go farming near Hagar, but returned to the plant in 1921 and was there until his retirement. He became a foreman on the charge floor in 1929.

He was married at St. Charles in 1915 to Marie Jeanne Richer, who died last year. Of their 16 children, 12 are living: Ulric and Armand of Copper Cliff smelter; Maurice of Falconbridge, Joe of Coniston Radio Shop, Raoul of Carrington's, Louis of Loblaw's, Mrs.

"You swindler! When you sold me this

"You misunderstood me-I said you could

University Men Get Intimate Look at Inco Mining



Of the 225 university students from all Canadian provinces employed by the nickel industry in the Sudbury District for the summer months, about 40 are seen in this photograph made at a meeting of the local branch of the Canadian Institute of Mining and Metallurgy. H. J. Mutz. manager of mines for Inco, was the speaker at the meeting. His illustrated lecture on mining practices at Inco gave the university men an intimate glimpse of operations in the district,

Ladder Sense

How many young couples elope each year? Nobody knows exactly, but you can be sure that few brides-to-be make their exit by ladder nowadays. And maybe it's just as well, when you see some of the ladders folks use around their homes.

Paulty ladders and unsafe climbing practices account for a great many accidents ... both to users and to others. Actually, however, there is nothing very difficult about the correct care or the proper use of ladders. It ladders with missing rungs, nor splice short simply requires a little caution on the part ladders together to be used as long ladders. of the user, whether on the job or at home.

Proper Condition

Proper care of a ladder means giving special attention to the steps and side rails to be sure that they are in good condition. All hardware and fittings should be in pected to make certain that they are firmly attached. On extension, trolley, and side-roll-



ing ladders, the moveable parts must operate freely, without binding or undue play. ropes should be examined for cuts, wear, or any other form of deterioration.

The life of a ladder can be greatly extended

factor in both the life of a ladder and in and unsafe use of safe ladders. the prevention of accidents. And be extra careful, too, when carrying a ladder. Keep the end ahead of you raised high enough to clear any obstructions. Before turning around, make sure that the ends of the ladder will clear all persons and objects.

Step by Step Ladder Safety

While care and storage are most important. all this effort is wasted if the ladder is not used safely. The safe way can be explained easily and briefly by these simple rules:

- 1. Thoroughly inspect the ladder for any defects
- 2. Never use broken or weak ladders or
- 3. Steps should be kept free of grease and oil to prevent slipping.
- 4. Pace the ladder when going up or coming down. Never slide down a ladder.
- 5. Place the ladder in proper position so that you do not have to reach in order to work from it.
- 6. Do not go higher than the third rung from the top on straight or extension ladders the second rung from the top on step-
- 7. Before placing a ladder in front of a door which opens out, the door should be blocked, locked, or guarded.
- 8. Open the step ladder all the way and lock the spreader.
- Straight ladders should be placed so that the horizontal distance from the top support to the foot of the ladder is about one quarter of the length of the ladder. In other words, the bottom of a 12-foot ladder should be placed at the bottom about three feet away from the wall when in use.
- 10. Where possible when using a straight ladder have someone hold the bottom part of the ladder. Straight ladders should be securely lashed at the top and equipped with safety feet to prevent slipping
- 11. Do not place the ladder against a window pane or sash.
- 12. Do not lean the ladder against unsafe backing such as loose boxes, barrels, or round objects
- 13. Except in emergencies, do not use ladders in a strong wind.

14. Do not leave ladders unattended. Next time you plan to use a ladder think poor.

if the wood is coated with protective material, of these common sense rules for safety. And, providing the coating does not hide any de-fects. Careful storage is another important caused by two things: use of unsafe ladders,



TRIANGLE DAY

Pte. Bert Morrison of Copper Cliff, with the Black Watch in Korea, is seen in this snap reading a copy of the Inco Triangle. He writes that the word quickly gets around when the Triangle has arrived, and those from Sudbury District who do not receive a copy soon foregather with him to get posted on doings at Inco. Bert is a son of Mr. and Mrs. Jesse Morrison of Copper Cliff.

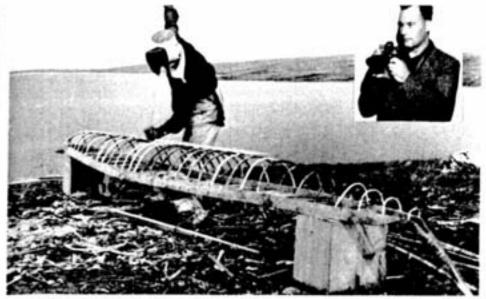
Pretending to be rich keeps some people

Unusual View of Fans' Welcome to Homecoming Wolves



A great crowd of people gathered in front of the Sudbury Arena to welcome home the Sudbury Wolves from their gallant quest of the Alian Cup. Thoroughly beaten by the Pentiction V's in one of the most thrilling series in hockey history, the Wolves came home "bloody but unbowed" and found their fans still widdly faithful. In the picture Ernie Regimbal and Hub Beaudry are seen talking to Maxie Silverman, the famous coach. In

the huddle in the foreground are Harrison, Horeck, and Speck with Durno Rondina of North Bay. Facing the crowd with their backs to the Arena, along with the snarling Sudbury wolf, are Dr. Paul Laflamme, Ald. Joe Fabbro and Gene Coe, Tomiuk. Milne. Lavell, Flynn, Boogey Meisenheimer. And down there in the crowd, unless these tired old eyes deceive us, is the daddy of all sports fans, Bert Flynn.





Ocyocraralook uses his bow drill as he works away on his new kayak. The ribs are made of Arctic willow and will be covered with caribou skins.



This busy Eskimo rejoices in the name of Ocyooraralook. To protect himself from the flies he wears a homegrown headdress he has made from two towels from a Kitchener, Ontario, hotel. How he came by them nobody seems to know. Inset, with his trusty Leica, is Hank Vuori of the Geological Department.

Some Pictures Of the Eskimos ByHank Vuori

Always popular with the Triangle editorial desk are pictures from Hank Vuori's collection. On his trips to out-of-the-way places for Inco's Geological Department, Hank keeps his Leica camera handy at all times, and comes up with some fine snaps.

The accompanying pictures of life and people in Eskimo settlements are among Hank's favourites, especially the one on the left. This intimate glimpse of night life was taken in a caribou skin tent during a moment of wild social abandon. The entertainer beats on the drum and dances while the women sing. He varies the tone of his "music" by where he hits the wooden frame with his stick

The Eskimo people, Hank says, are gentle, kind, and generous.



A happy Eskimo family pose for Frank in front of their caribou skin tent. The band on the mother's head is made of copper and has probably been handed down from generation to generation. Pies of copper are favourite Eskimo ornaments.



Smoking a stone pipe with walrus tusk stem, this local witch doctor makes with the inscrutability. The witch doctor has quite a reputation as a hypnotist.



Just fresh from the beauty parlour is this Eskimo lady whose face is heavily tattooed. The rising generation don't go in for tattooing as much as the oldsters.

New Chimney Will be 615 Feet Above Base



Long famous for the two 500-foot stacks at Copper Cliff smelter, the Sudbury skyline is soon to have a new holder of the British Commonwealth "chimney championship", a 615-foot giant at International Nickel Company's history-making new iron ore plant near Copper Cliff. Workmen are seen preparing to make another 7-foot lift of their construction derrick in the new chimney. The 17,000-ton stack will contain 510,000 pounds of reinforcing steel, 95,000 pounds of insulating material. The opening in the side is for the flue from the Iron ore plant.

Workmen Pour Another 7-Foot Lift of Concrete



Part of the construction derrick inside the stack is seen in this view, with workmen about to dump a buggyload or concrete into the steel forms. A web of wire rope, tubular steel, catwalks and scaffolding, the 16-ton derrick is hoisted by chain blocks after each 7-foot section of the concrete chimney is poured. Almost all the workmen were recruited locally and have had no previous experience in chimney building, but Superintendent Warren Fountain is highly pleased with the calibre of their work.



Total weight of the new chimney's reinforcing steel, seen above, is 510,000 pounds. It will also contain 95,000 pounds of insulation between the concrete and the brick lining. The latter will be 8 inches thick for the first 82 feet and 4 inches thick for the balance of the height of the shell.

Will be Tallest In the British Commonwealth

Steadily stretching skyward near Copper Cliff is a new signpost of Canada's industrial progress.

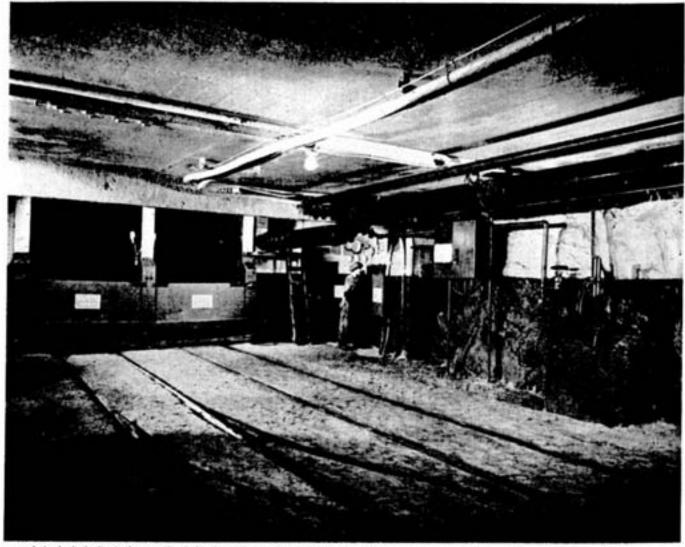
Soaring 615 feet above its 22-foot base, the chimney for International Nickel Company's from ore plant will take the title of "tallest in the British Commonwealth" which for years has been held jointly by the two 500-foot stacks at the Company's Copper Cliff smelter. The great height of the chimney at the new plant is to ensure proper diffusion of waste gases in the upper atmosphere.

of waste gases in the upper atmosphere.

The new plant will make metaliurgical history by producing high-grade by-product iron ore from nickel ores mined in the Sudbury District.

It will use a trail-blazing process developed (Continued on Page 12)

A Level Station at Frood-Stobie No. 7 Shaft



A typical shaft station at No. 7 Shaft of Inco's Frood-Stobic Mine is this layout on 1000 level. At the left are seen the two service compartments of the shaft in which are hoisted all men and supplies; the two compartments in which ore is hoisted are immediately behind them. A member of the mine supervision, Horace Boucher, is speaking over the mine telephone to the topman on surface. At the right is the tugger hoist used for handling material in the station. Also seen are the mine's 10-inch main air line, 4-inch main water line, and 2200-volt cables capable of transmitting 1,000 h.p.

Shareholders Hear Splendid Nickel Survey

Nickel in many instances does what no other metal can do", Dr. John Thompson said in his vigorous address to Inco's share-

holders at their annual meeting in Toronto.

As an outstanding example of nickel's exclusive qualities, the Company's chairman cited the aircraft industry.

"It is reported that every British aircraft gas turbine has rotor blades made of one or another of the Nimonic nickel-chromium alloys produced by one of our United Kingdom subsidiaries, and these alloys find widespread use wherever jet engines are produced," he stated.

In Canada, Inconel X is used for turbine buckets and in the United States this nickel- nickel of current importance in the electronics chromium alloy has been adopted for turbine field. wheels in the turbo-compound engines used

in transatlantic and transcontinental air dustry," Dr. Thompson said, "nickel has military jet engines."

had been pointed up by restrictions on its scale plants for the generation of power use. This was in the metal finished trade "could open a further outlet for nickel", where, Dr. Thompson recounted, there have Discussing other metals Inco produces from restricted use of nickel, to find new decorative coatings.

"Substitute coatings with characteristics equivalent to nickel plating have not yet been found, and the industry is eager to receive greatly increased supplies in order to resume nickel-plating of a quality either comparable or superior to that reached prior to the Korean conflict," the chairman said.

Stimulated interest in nickel and nickelcontaining alloys had been noted in the aircraft engine. electrical and electronics mousures, television was expected to require increased manufacture of the cobalt-nicker-argument numbers of amplifying tubes which, along iron permanent magnets used in radios, with picture tubes and other components, inotors, generators, and numerous other in the components of the components of the cobalt is also utilized to the components of the cobalt is also utilized to the cobalt is also utilized.

transports, as well as for important parts of played an important part, particularly in the concentration and processing of atomic fuels. Another case showing nickel's special worth The ultimate construction of commercial

been concentrated efforts, during periods of its ores, Dr. Thompson referred to cobalt, which he said is being recovered in increasing quantities as a result of improvements in refining techniques.

"This important by-product," he stated.
"has been used since ancient times as a
coloring agent in glass and pottery. Currently its largest single use is in cobaltnickel-chromium-base alloys which are required in the high temperature, high strength materials, particularly as applied to the jet

among the many specialized applications of and as a drier in paints, varnishes, and highgrade printing inks. It holds unusual premise also in agriculture where it is considered an "Since the beginning of the atomic in- important additive to the feed of cattle and sheep in regious where the soil is deficient in this element."

Among the unusually interesting results of Inco's research program mentioned in the chairman's address was a new procedure for producing a heat-treatable nickel-phosphorus alloy for hard surface nickel electroplating. developed in the Bayonne laboratory. new electroplate, he said, is initially very hard but even so can be heat-treated to even double its hardness.

Another development recently completed was a 10-year co-operative research program with aluminum alloy producers which, the chairman related developed a nickel plating that bonds so strongly with appropriate aluminum alloys that the composite materials may be deep drawn and later finished with chromium plate. This was expected to open a new market in the plating of aluminum appliances and furniture when nickel be-comes more freely available.

At the end of 1953 more than 250 firms, in more than 20 countries, had been licensed to make Ductile Iron, the cast material invented and developed by members of Inco's research staff which has won such enthusi-

astic acceptance from industry.

In outlining process developments at Inco, Dr. Thompson spoke of the \$16,000,000 plant now under construction near Copper Cliff for the recovery of nickel and of iron ore from nickeliferous pyrrhotite, and also of the new oxygen flash smelting unit designed to treat all copper concentrates at Copper Cliff.

The final passage in the life of the historic Orford nickel-copper separation process, on which the Canadian nickel industry was founded more than 60 years ago, took place during 1963 at Inco's refinery at Clydach. Strathona trophy has been won by the same Wales, he observed. There a new improved unit three times in succession. wet treatment process for the treatment of residues had supplanted the Orford method.

Other news of particular interest from Inco's subsidiaries in the British Isles in-cluded reports of an excellent year at the large electric furnace plant of Birlec, Limted, at Birmingham, England. Among contracts received were those for a battery of large annealing furnaces for South Africa for heat-treatment furnaces for Mexico, and a 20-ton arc furnace for Sheffield, England. Construction is under way at Birlec of a 60-ton arc melting furnace, the largest to be built in Great Britain.

Discussing the price of nickel and its relation to production cost and market opportunities, Dr. Thompson said this was a subject which Inco's management had constantly under review. It was obvious that many factors had to be evaluated, among them the expanding nickel production and the fact that nickel is in world-wide competition with other steel alloying elements and with a wide variety of other metals such as copper, zinc, and tin, or even such diverse

materials as wood, glass, and plastics.

"In a business such as ours," the chairman said, "In which there are always new developments in the making, and where markets must be expanded to sustain additional nickel production capacity, it is important that, so far as possible, the price basis remain stable over some period of time, resisting pressures in either direction."

ALL IN THE FAMILY

He had gone into the library to put the thing up to her father, and she was anxious-

iy waiting on the front porch.
"Well," said the suitor when he returned. he asked me how I was fixed and I told him I had \$3,000 in the bank

'And what did he say to that?"

"He borrowed it."

COULD BE:

Maybe the old colored lady had something when she said: "Lawd, honey chile, when yo ain't got no education, yo jus' got to use vo brains.

For Third Successive Year Cadets Win Strathcona Trophy



From Lieut, B. Smith of Central Command, Cadet Lieut. Norman Yandon receives the Strathcona Trophy. In the foreground are Lieut.-Col. C. L. Wilson, Major R. J. Swain, and Mayor C. O. Maddock, at the annual inspection dinner of Copper Cliff Highland Cadet Corps.

unit three times in succession.

The boys who turned the trick, and for the

High praise for the Cliff unit was conveyed at the banquet following the annual inspec-

Por the first time in its history the coveted RCA, who took the salute in the march past. also warmly commended the Copper Highlanders on their splendid record.

Major R. C. Barnes, for many years the third consecutive year won for their outfit the provincial proficiency championship, were the cadets, presented his trophy for individual Copper Cliff Highland Cadet Corps under proficiency to Sgt. Johnny Jones. This outstanding cadet was one of the few who achieved A rating among the 1,400 at Camp Ipperwash last year.

annealing furnaces for South Africa for tion, by Lieut. B. Smith of Central Command. More than 70 attended the annual dinner, processing ferro-alloys, a battery of electric Lieut.-Col. C. L. Wilson, officer commanding which was held in Memorial Community Hall



Some of the winners of individual awards in the annual competitions in the corps are seen here: Sgt. Barry Ambler with the Strathcona prize for the best shot in the unit; Sgt. Johnny Jones with the Barnes Trophy for the best all-around cadet; Cadet Lieut. Norman Yandon and the Strathcona trophy; Pipe Major Ranny Livingstone with the Gliday trophy for the inter-platoon competition; Cpl. Murray LeMay with his master cadet certificate from Camp Ipperwash; Cpl. Bruce Secord with the crest he received for attaining the Cadet 100 Roll, the select group of 100 best cadet shots with service rifles in all Canada.

Big Crowd for Season's Final Teen-Age Dance



Almost 400 young people attended the final Teen-Age dance of the season at the Port Colborne Recreation Club. Picture shows the dance floor during the very successful evening.

Will be Tallest

(Continued from Page 9)

by Inco's research staffs. The iron ore produced will be higher in grade than any now turned out in quantity in North America.

Initially treating 1,000 tons a day of nickelbearing pyrrhotite removed from ore in the early stages of processing at Copper Cliff, the \$16,000,000 plant will release smelter capacity enabling Inco to deliver 123,000,000 pounds of defense-vital nickel to the United States government over the next five years without diverting regular supplies from industry. By taking temporary measures Inco has already commenced shipments against this heavy commitment.

The Commonwealth's new "champion" chimney is being built of reinforced concrete lined throughout with special brick, and will weigh 17,000 tons. It will contain over 500,000 pounds of reinforcing steel and nearly 100,000 pounds of insulating material. stainless steel coping for the top of the shell will weigh 9,000 pounds. Inside diameter at the top will be 30 feet, and outside diameter at the base will be 63 feet 3 inches. Construction of the stack will be completed about the end of the year.

Other dimensions of this great stack will be: inside diameter at base, 55 feet 4 inches; outside diameter at top, 33 feet; volume of concrete in the pad, 565 cubic yards; volume of concrete in the base, 1.635 cubic yards; total volume of concrete, 7.400 cubic yards; total number of brick in the lining, 500,900; volume of insulation between lining and concrete, 15,500.

Unusual about this particular chimney job is the hoisting or construction derrick, which made of tubular steel and aluminum instead of wood, a saving in weight of 10 tons. The 16-ton derrick is hoisted by chain blocks after each 7-foot section of the concrete chimney is poured.

the derrick is raised with chain blocks, much all but half a dozen were recruited locally as the "Wise Men of Gotham" of fairy-tale and had no previous experience in this fame sought to pull themselves up by their type of work.



It was 7-Up between dances when the Triangle camera snapped this group at the final Teen-Age dance of the season: left to right, Paul Manion, Pat Lane, Jim Lambie, Shirley Godin, Roberta Finnen, Bill Shepherd, Sandra Robins, and Larry Roach.

blocks the outside forms are hoisted into place two of the three brick stacks in operaposition, and are trued to a centre point. Reinforcing steel is put in place for the next pour of concrete and then the inside forms are moved into position. The inside forms are in smaller sections to allow more flexibility in handling, to provide the variations in wall thickness for the corbels, or shelves, which will support the brick lining.

A 2-ton hoist raises the ready-mix concrete in '7-yard buckets which are dumped into a hopper on the construction derrick. From the hopper, buggles holding 1 6 of a yard are loaded and are then wheeled around the catwalk and dumped into the forms,

Warren Fountain, the Canadian Custodis Chimney Co. superintendent on this job, was at Copper Cliff in 1936 to work on the 500-foot concrete stack at the smelter. He was also engaged on chimney construction at the The construction cycle as the huge chimney Company's refinery at Port Colborne. Of the soars skyward goes something like this: first 40 men he employs on the present contract.

own bootstraps. Then with the same chain A new 400-foot concrete chimney will retions at International Nickel Company's Coniston smelter. One of the odd 200-foot stacks, built by Mond Nickel Company in 1925 and unlined, will be demolished, and the other will be capped. The new chimney will have an outside diameter of 45 feet 9 inches at its base, and an inside diameter of 20 feet at the top. It will be lined with special brick. Construction has commenced of the 400-foot shell, which will weigh more than 6,000 tens toward the end of May.

THE TRUTH WILL OUT

Crown Attorney-What is your age? Woman wi!ness-Thirty years and some months.

C.A.-How many months W.W.-Does that matter? C.A.-It does, madam. W.W.-About a hundred.

SHARP TRADER

T've just got a bottle of gin for my wife." Well, that seems a reasonable swap.

They Are King-Pins of Frood-Stobie Bowling





Combining the two parties of previous genius of Eldred Dickie, the president, were and Wally Byers; not shown, Bill McLaren. Combining the two parties of previous genius of Eidred Dickie, the president, were and Waliy Byers; not shown, Bill Makasara, pears into one big jamboree at the Canadian evident in the arrangements for a fine even-large trophy for the first Association's bowling league wound up another action-packed season in a blaze of of the C. H. Stewart trophy for the A section playoff: Garfield Kyer of the Granting hand of Albert playoff: Al Leclair (captain) Meri Currie, Smith, Herb Radey, Roy Moreau, Ran Stone, league secretary, and the guiding Frank Felski, Rodger Cayen, Percy Dowse, O'Malley.





The George Leach trophy for the BI section Clark, and Wally Fraser. The Eldred Dickie Ted Boyd, Perch Grassam, Bill Baby, George playoffs went to the lineup seen on the left trophy, emblematic of championship honors Walters, Wally Woollacott, Alex Arseneau. above: Harold Smith (captain), Dick Lindenbach, Michael Banks, Jack Dennis, George team on the right: Jack Romanow (captain), takes — he turns up a prize winner every year.





The title in the B1 section regular league George Sach, Gordon Kutschke, Stan For- won by the lineup on the right above:

schedule was taken by the team photographed man, and they received the Frank McAteer Belfrey (captain), Johnnie Kruk, Jack Mcon the left above: George Westley (captain), trophy. In the regular play in the B2 section Fadden, Johnnie Luptak, George Pitman, Tony Saloun, Bert Robertson, Harold Basso, league, the Norman Anderson trophy was Herb Beall; not shown, Bob O'Reilly.





Emblematic of the Inco inter-plant bowling of the winners of the individual awards: for No. 2 group. Other individual awards championship, the Inco Club trophy was George Soch, high single (350) and high presented by G. S. Jarrett to the Frood team average (223) for No. 2 group; Bill Stevens, seen on the left above: Jack Romanow, Earl high triple (814) for No. 3 group; Ed Moore, high triple (814) for No. 1 group; Percy Dowse, high triple (814) and high average (201) for No. 1 group; Gordie Quinn, high

Percy Dowse. On the right are seen some No. 3 group; Ed Turcotte, high triple (884) single (371) for No. 1 group.

The Lancers Was Colorful Feature of Military Ball



A brilliant social function to greet the lieutenant-governor of Ontario and his lady, Hon. Louis Breithaupt and Mrs. Breithaupt, was the second annual military ball given at the Canadian Legion Hall in Sudbury by the commanding officers and officers of 5th (Sudbury) LAA Regt., RCA, and 33 Tech. Sqn., RCEME. About 200 couples attended. The photograph above was taken during the performance of The Lancers, which was again an outstanding feature of the ball. Danced with a rare combination of precision and grace by a group who put in many evenings of practice to reach perfection, this delightful number was a colorful picture to watch, and drew admiring comments from the lieutenant-governor and Mrs. Breithaupt.



Here the lieutenant-governor of Ontario and the commanding officers of the two units giving the second annual military ball in Sudbury pose with their ladies for the Triangle camera: Major and Mrs. Gordon Machum, Honorable and Mrs. Louis Breithaupt, Mrs. Wilson and Lieut.-Col. C. L. Wilson.



At Lively, where there is much evidence these days of pride in home surroundings. Pete Dumencu was snapped by a roving Triangle camera as he watered his flowers. He works at Creighton No. 6 Shaft.

A LOVELY SPECIMEN

Ed Miller of Copper Cliff, with his daughter Myra Ann, 5, are the happy humans here, and the king-size speckled trout is a sample of Ed's luck on a fishing jaunt to the Madawaska country near Mattawa. It was almost 20 inches long and weighed 5 pounds 2½ ounces 27 hours after it was caught.



At Levack, Frank Bartol takes advantage of a fine sunshiny day to plant his garden. A former Creighton member, Frank is a dryman at Levack.

THE FRONT COVER

As has been its custom for several years. the Triangle photographed a section of the crowd at the opening baseball game of the season at Queens Athletic Field. Radiant sunshine affer a long spell of wet weather put the opening day crowd in fine fettle.

REASON ENOUGH

As the family and the guest sat down at the table, the hostess said to her small daughter: "Susie, why didn't you put a knife and fork at Mr. Campbell's place?"

"I didn't think he'd need any," said Susie, "cause you said he eats like a horse."

Coniston Mixed Loop Parties



A committee headed by Benny Taylor ar- presented by Mayor Kilimnik. mixed bowling league, held at the Club Allegri. A well-planned evening put the finishing touch to a very successful season in Jack Allison, which 10 teams took part in the league. In the Tri-schedule, an increase of 20 members over gang at the last year.

The Hot Shots, captained by Steve Buchowski, received the championship trophy presented by Fred Barbeau, while the Lions, led by Paul Lagrairie, received the consola-tion trophy. The league series winners, captained by Verdell Price, were presented with their trophy by Maurice Boulay. High sing es awards to Anita Barrazzuol and John H. Hayden and John Buchowski, were Hoare.

Unusual ranged the annual banquet of the Coniston trophies for head-pin and blow champs were presented by Romeo Boulay to Dot Calendino and Benny Taylor, and Mrs. W. Coppo and

In the Triangle's picture of some of "the gang" at the merry party are seen: left to right, front row, Margaret O'Brien, Mrs. Rose Pachota, Mrs. Benny Taylor, Kay Prec-land, Mrs. Rose Poirier; middle row, Mrs. Bill Coppo, Dot Calendino, Mrs. Anita Barrazzuol, Steve Buchowski, Mrs. Verdell Price, Roy Ruddy, Mike Holunga; back row, John Buchowski, Nello Modesto, Raymond Moyer, Daniel Chabot, Bill Aggiss, Verdell Price, Buchowski, and high average awards to Mrs. Paul Laprairie, Liberale Marcon, Tommy

Hard Time? Dance Great Success



Lively Athletic Association scored another bullseye with its Hard Time Family Dance, held at the Employees Club in Creighton and attended by a capacity crowd of all ages, sizes, and degrees of destitution. Pictured above with Professor Bill Morrison (centre) who judged the costumes, are some of the merrymakers: Norman Ray, Elsie Butler, Peg Tait, and Roger Minnow. Special entertainment was supplied by Dorothy Kovolchuck's etoile de danse, and Marg Morrison grossed \$55,75 selling chickenburgers. Guy Armstrong called the square dances. The proceeds go toward the cost of transporting 36 boys and 36 girls to the Learn-to-Swim course at the Y in Sudbury. Lively, if you can believe Publicist Jerry Mahon, is lively.

SNAPSHOTS OF LIFE WITH INCO



Voted queen of the annual May Ball at Copper Cliff High School was lovely Gloria Santi, seen here with her proud escort, Dick Ogilvie. As usual at this colorful affair, the decorative effects, including the young ladies, were worthy of special mention.



"Couldn't have happened to a nicer guy" said Ahti Forselle of the machine shop at Copper Cliff when he heard he had pleked off an \$87.00 award under the Employees Suggestion Plan. He's seen above receiving the cheque and congratulations from W. J. Ripley, master mechanic of smellers. Ahti has often clicked for Suggestion Plan payoffs, his previous awards being four for \$5.00 each, one for \$8.00, one for \$10.00, and one for \$50.00. The 87 smackers, he said with a big grin, would go toward the price of a new outboard motor.



The annual Plate Shop Ball, held at the Caruso Club and preceded by a delicious dinner, more than justified the faith and enthusiasm of the small Copper Cliff group who launched this affair last year. There was a large and decorative gathering, and a very pleasant evening was enjoyed. In the Triangle's photograph, above, are seen: immediate foreground, A. G. Parkinson, Mrs. Richmond, Mrs. Parkinson, George Richmond, Mrs. Jennings, Morris Jennings; opposite them, Mr. and Mrs. Ross Williamson, Mrs. Young, Donald Young, Bob Depender. At the head table were, left to right, Frances Morin, Mr. and Mrs. Vic Dorigo, Mr. and Mrs. Elwood Tresise, Mr. and Mrs. Terry Rupoli, Mr. and Mrs. Eugene Sylvestre, Mrs. Kelly, Robert Kelly.



Photographed at a recent smoker of Sudbury Branch of the Canadian Institute of Mining & Metallurgy were these members of Inco's Mines Department: Peter Souter (Frood-Stobie), Orin Pritchard (Creighton), Jim Grassby (Copper Cliff), John Keast (Frood-Stobie) and Art McRae (Garson).



A director of Mond Nickel, Inco's subsidiary in the British Isles, A. P. Hague was recently a welcome visitor to Copper Cliff. In this picture the Triangle camera caught him in an informal business conference: left to right, Vice-President J. R. Gordon; A. Godfrey, assistant to the vice-president; Mr. Hague; G. A. Harcourt, assistant to the general manager.