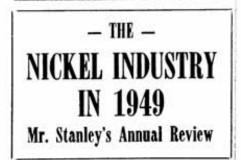


Bringing in Another Counter



Published for all employees of The International Nickel Company of Canada, Limited. Don M. Dunbar, Editor.

EDITORIAL OFFICE COPPER CLIFF, ONT.



Total world consumption of Canadian nickel in all forms for the year 1949 is ex-pected to be about 15% lower than in 1948, when a new high peace-time record was established," Robert C. Stanley, Chairman of the Board of Directors of The International Nickel Company of Canada, Limited, world's largest producer of nickel, stated December 15 in a review of the nickel industry.

"During the early part of the year," Mr. Stanley said, "nickel sales remained high and were comparable to the volumes achieved in the previous year. A sharp drop in the period May through August, however, was followed by improvement during the remainder of the year to date, despite the fact that consumption was adversely affected in the autumn months by the steel and coal strikes accounted for the chief proportion of this joints, bolts, studs and other highly stressed in the United States.

"The fall in demand for various metals, including nickel, required a reduction of nickel production by International Nickel. bringing the rate of the last half of the year to approximately 15% below the previous level

"French production of nickel showed an increase over the preceding year although it was still relatively small as compared with Canadian. Most of this output comes from mines in New Caledonia. The Cuban mines remained closed and no production was reported from that country. Russia continued to produce nickel but, as has been the case for a medium-priced material suitable for for years, no information was made avail- use in the construction of oxygen plants and able on its output of the metal.

"The United States again was the largest consumer of Canadian nickel, with approximately 65% of the total being used in that country. Consumption in the United King-dom was about 20%. These two countries with Canada accounted for approximately 88% of consumption. The remainder went to other countries throughout the world. The United States price of nickel continued unchanged throughout the year. Other world prices were adjusted at the time of the currency devaluations in September to retain parity with United States prices.

"International Nickel continued this year its extensive plant program in Canada designed to improve production methods, to steels are an important segment of the alloy reduce costs, and to make use of the great market. The economies in weight available reserves of low grade ore which heretofore through design with these steels make them had been deemed unprofitable.

Nickel Alloy Steels

"As has been the case ever since the development of nickel alloy steels in the latter and wear is desirable. part of the Nincteenth Century, the use of



... 'You great big numb-dumb jughead' ... I was sayin' to him, when the machine stopped and he heard me.'

metal's consumption.

"While the total demand for nickel by the steel industry throughout the world decreased during the year by reason of reduced production of alloy steels, the relative percent-age employed for alloy engineering steels did not show any appreciable change. The 'Triple-alloy' steels, containing nickel, chromium and molybdenum, continued their popularity in numerous injustries for vital machine parts.

"Low carbon 9% nickel steel, one of the few new steels to appear in recent years, was developed primarily to meet the need containers for liquified gases. Several trial low temperature installations employing this alloy are being made. Principal uses, however, are in the field of petroleum production to meet corrosive conditions encountered in gas distillate wells. Substantial quantities of oil well tubing of 9% nickel steel have been produced, and the use of this alloy for sucker rods in corrosive wells is increasing. Another use of 9% nickel steel has been for solder rolls used in the production of tinned containers. In Europe interest has been shown in steels containing from 3 to 8% nickel for low temperature processing in the petro-chemical, plastics and allied industries.

"The high strength low alloy structural desirable for use in mobile equipment where weight is an important consideration and where improved resistance to mild corrosion

"The automobile industries in Great Brinickel as a major alloying element by the tain and United States continued to be large gutters, downspouts and window frames. A United States and Canadian steel industries users of nickel alloy steels for gears, universal

parts of automobiles and trucks. Large tonnages of these steels were also employed in the rapidly expanding tractor and agricultural implement fields in both countries. The machine tool industry in the United Kingdom, as in the United States, consumed substantial amounts of nickel alloy steels for components subjected to high stresses.

Stainless Steels

"Although final figures for production of stainless steels for 1949 are expected to be lower than those of the previous all-time peak year of 1948, these steels will again account for a large portion of the steel industry's nickel consumption. Approximately 60% of the total stainless steels produced this year were of the chromium-nickel types.

"Various industries with widely diversified corrosion, economic and other problems have utilized stainless steel construction profitably. The economies derived from the ease of maintenance, permanence and other attributes of these steels offset the original high costs of installation.

"The automotive industry continued as a large consumer of stainless steels. Railroad cars, trailers and other transportation equipment likewise employed substantial amounts.

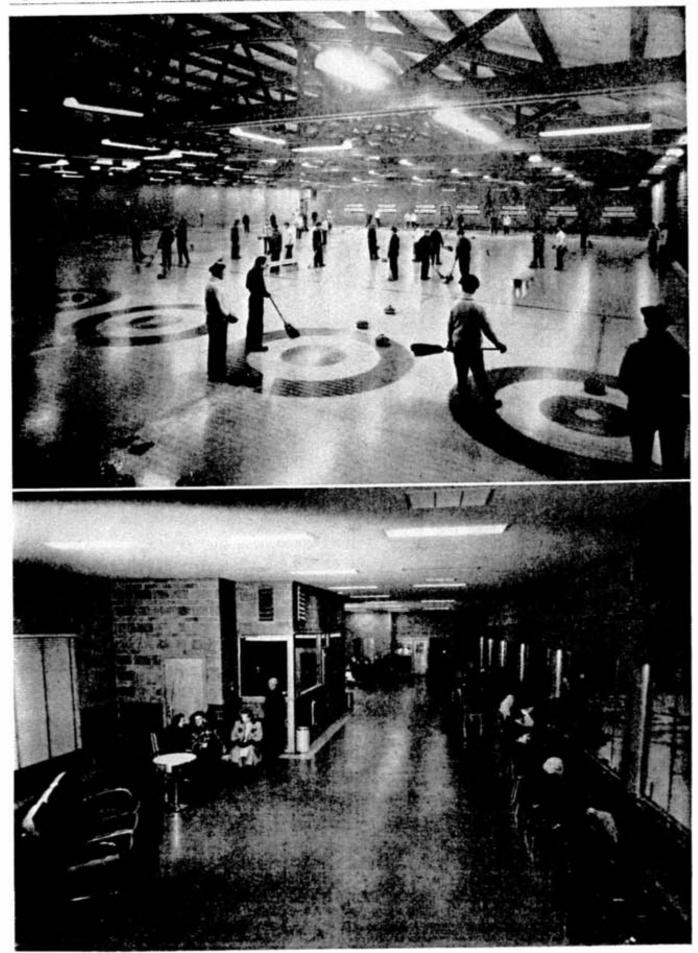
The building field has become an important user of chromium-nickel stainless steels for structural and architectural components which are exposed to the elements. Their high mechanical properties combined with ease of fabrication, good weldability and corrosion - resistance have placed them in markets formerly held by other metals or non-metallic building materials. This year progress has been made in the adoption of stainless steels as curtain wall construction for office and industrial buildings, roofing,

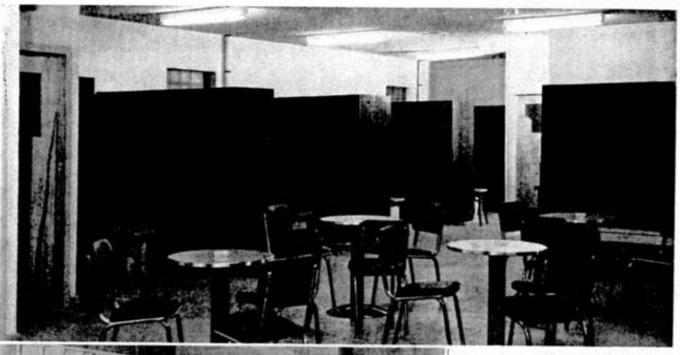
(Continued on Page 11)

FEBRUARY, 1950

INCO TRIANGLE













New Curling Rink Proves Very Popular

Inco's beautiful new curling rink which opened in Copper Cliff in December has scored a tremendous hit with members of Copper Cliff Curling Club, and its splendid facilities are in use every available minute of the day.

Confident as they were that it would be no half-measure to cope with the steadily increasing interest in their favorite winter sport, the Inco curlers nevertheless got a rousing surprise when they stepped into the new arena. The seven brilliantly-lighted sheets of artificial ice with their full complement of matched rocks, the unobstructed view from the comfy chairs in the rink-wide observation room, the completely equipped lunch counter and kitchen, the commodious locker rooms for both men and ladies, the cleverly arranged public address system, and the smart overall design add up to one of the finest curling plants in the country.

On the opposite page are views of the lce surface in play and of the long, comfortably appointed observation room in the new Cliff rink, with several "arm-chair skips" in action. Top picture on this page shows part of the men's locker room, with tables around which the inevitable curling post-mortems are held. Second photo shows a closeup of the lunch counter with Harry Ryder dispensing some of his special "house-weight brew" coffee to a group of customers. In the third photo Dave Aubin and Bill MacKay have a cribbage duel while waiting for the next draw, with Bill Nelan and Val McGauley doing some kibitzing. Fourth picture shows "Cam" Shortts, the new rink's steward and ice-maker, ge2.ing in some office work; assistant ice-maker is the veteran Bill Jessup, and caretaker is Alf Arsenault.

Membership Is Now 328

Copper Cliff Curling Club's membership has jumped this season to 328 from the 1949 total of 220, is the largest in the 10-club (Continued on Page 6)



Miss Marie Claire Fex, two weeks old, with her father and mother and the other members of the family she made famous: Lucilie, 13, Lionel, 12, Lillian, 11, Ronald, 10, Alexander, 8, Denise, 5, and Madeleine, 3,



Miss Sophia Barbara Lisowski, two weeks old, looks her dad in the eye and says, "Well, we certainly kicked up a little excitement, didn't we?"

Two Inco Homes Welcome Prize-Winning 1950 Babies

nounced a sensational success.

Sharp on the stroke of midnight he delivered a baby girl to 807 Ontario St., Sud- seconds of the New Year, qualified as prizebury, where Mr. and Mrs. Joseph Fex and winners in the annual First Baby contest does that mean?" family were eagerly awaiting his arrival staged by the Sudbury Daily Star. Sudbury "Only one thing, for sure," replied the And just 40 seconds later he glided to a merchants, who as usual had done them- other. "The window's open."

His Majesty the Stork demonstrated his smooth and noiseless landing at St. Joseph's modern new jet propulsion technique of Hcspital, clear across on the other side of the ilying on New Year's Eve, and it was pro- city, with a baby girl for Mr. and Mrs. Frank Lisowski.

Both infants, born within the first 60

selves proud by offering all sorts of awards for the first new citizen of 1950, promptly agreed to duplicate their prize list, and everybody was happy.

Inco Doctors on the Job

The 1950 Stork Derby turned out to be pretty much of an "Inco family" affair: Frank Lisowski is a miner at Frood-Stobie, and Joseph Fex is a former Copper Cliff Smelter employee who is retired on disability pension. And in each case an Inco doctor was in attendance, Dr. K. J. W. Bromley officiating at the Fex home and Dr. A. H. Duncan serving as chairman of the Welcome Committee for Miss Lisowski at St. Joseph's Hospital.

As is evident in the pictures alongside, both daughters and fathers are getting along splendidly, and the mothers are doing okay too.

Joseph Fex came to Sudbury from Blind River in 1929, and the following year started work at the smelter as a fitter in the furnace building. A heart condition forced his re-tirement on pension in 1937. Mrs. Fex was formerly Miss Annette Guimond of Blezard Valley.

Frank Lisowski, who was married at Sudbury on Jan. 16, 1949, to Wanda Skiewniewska, won the Polish Victoria Cross, the Virtuti Militari, for bravery at Falaise while serving as a corporal with the 1st Polish Armored Division which was under the command of General Crerar of the 1st Canadian Army. When a Tiger tank of the German 7th Army charged from a forest and bore down on him with its machine guns spraying death, he calmly held his ground beside the 17-pounder he was manning, took careful aim, and planted a shell squarely amidships in the tank, destroying it and killing its 5man crew.

He came to Canada in June of 1947, put in a year on a farm on Manitoulin Island, and started with Inco in October of 1948. He is working on construction on the 1,000level at Frood-Stobie.

New Curling Rink

(Continued from Page 5)

N.O.C.A., and includes curlers from Frood-Stobie, Creighton and the Copper Refinery as well as the Copper Cliff plants. The membership in the Ladies' Curling Club has increased to 64, and there are 60 High School boys taking part in their own schedule and receiving special instruction from senior players.

Officers of the club in this memorable year of its long history are: president, Earl "Stoney" Stoneman; past president, Jack Duncan; vice-president, Herman J. Mutz; secretary-treasurer, Clarence Beach; execu-tive committee, J. C. Parlee, R. Saddington, J. Jones, Mac Canapini, Dr. C. R. Ferguson, F. Matte, G. Adams, A. D. Harrison, and B. M. Forsythe.

Winners of the first event to be played in the new arena, the annual inter-rink contest, were Jesse Morrison and his men, C. Bronson, D. Gathercole, and C. Rivers; the runners-up were Clarence Beach, R. Gray, S. Kuzmaski, and W. D. Stephenson.

During the week of Feb. 6-11, along with Sudbury Granite and Sudbury Curling Clubs, he Copper Cliff Curling Club will be hosts to more than 400 curlers taking part in the **J3rd** annual bouspiel of the Northern Ontario Curling Association.

MEN ARE AWFUL

Two traffic patrolmen, following a woman driver:

"She's got her hand out the window," remarked one of the men with irony. "What



Sudbury Band Inco Inaugurates Chest X-Ray Service For Protection of All Employees Picnic in 1890

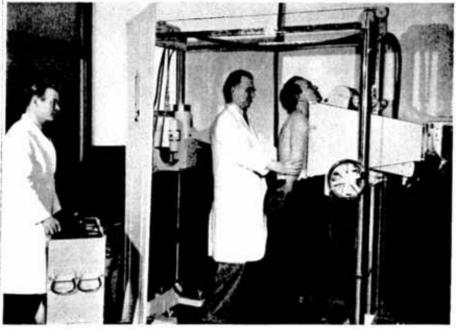
Another souvenir of early days in Sudbury is this picture of its first band picnic day in 1890. The historic event is well remembered by Camille Gravelle, the sprightly 73-yearold bailiff at the courthouse, for he was then commencing his musical career by playing the cymbals in the St. Jean Baptiste band, which appears in the photograph, and his wife, the former Annie Gallagher, was probably one of the little girls standing entranced in the right foreground.

Leader of the band was John Vincent, and others Mr. Gravelle spots in the picture are Charlie LaBelle, Alfred Rioux, Alec Groulx, and Frank and Felix Ricard. This band later merged with Hugh Baird's Sudbury Brass Band to form a Citizens' Band in which John Gribble, "Cap" Hambley, Tom Stoddart and other Copper Cliff musicians often played.

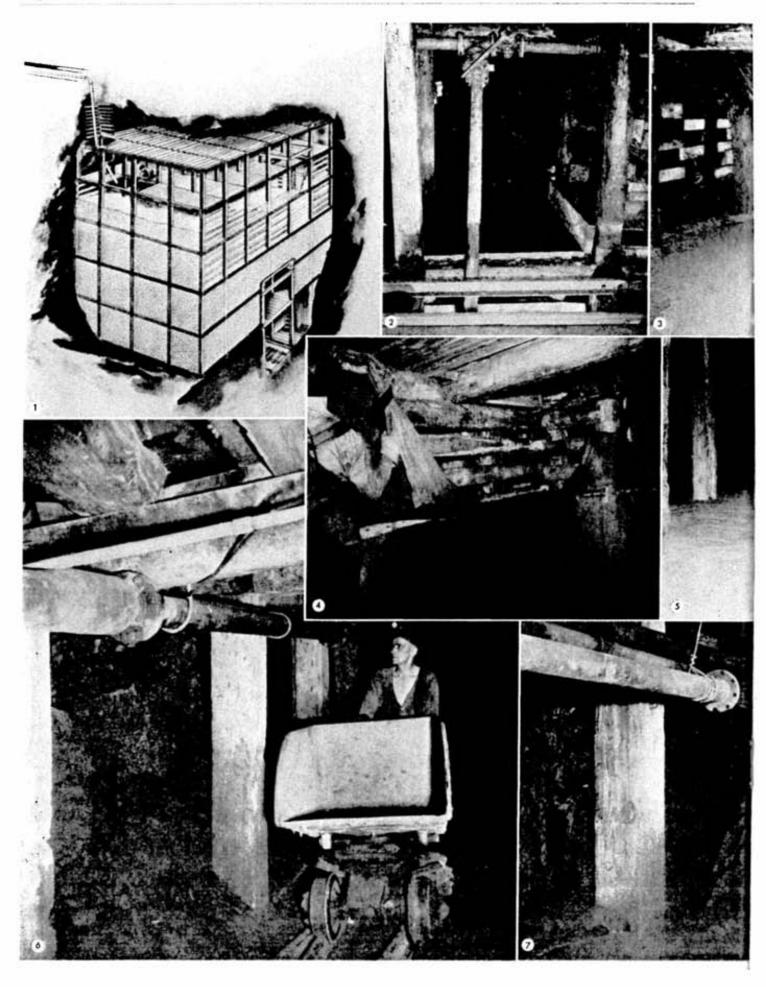
Elm St. Was Picnic Ground

The big "picnic" was staged right on Elm St., Mr. Gravelle says. Building with the sign on it is the old Balmoral Hotel, which was the hub of a program including tug-o-war and track and field events. The "100vard-dash" started at the Balmoral and finished at the next corner where Abraham's store now stands. The course for the "marathon" started at the Abraham corner, The course for the and the first leg was to the Revere House (now the Coulson), the second leg to the Russell House (now the King Edward) and the home stretch back to the verdant arch-way at the Balmoral. It is reasonable to suggest, Mr. Gravelle admits, that some of the "marathoners" paused at each of the corners for refreshment.

Ah, we had a lot of fun in those days," says Mr. Gravelle, and the light of reminiscence glows with a gentle warmth in his eyes. We didn't have much else, but we had a lot of fun.



An innovation of far-reaching importance is the Chest X-Ray service which Inco has stablished for the protection of all employees in the Mining & Smelting and Copper Photo shows Radiographer Herb Kruger of Copper Cliff Hospital Refining Divisions. placing Johnny Luptak in position to have his chest photographed by the modern new mobile X-Ray unit the Company has purchased. At the controls is Bob Kring, X-Ray technician. All employees will henceforth be photographed annually at their plants, and the equipment will also be used to check the chest health of applicants for Inco employment. As they are taken the photographs are being interpreted by Dr. Charles Crang, the well-known Sudbury radiologist, after which they will be kept on file. The new service, developed by Inco's chief surgeon, Dr. H. F. Mowat, will be a powerful weapon in the war against T.B.











4500 Tons of Sand Fill to Pour Into Frood Section Every Day

They've got the sand-filling system work-Stoble mine now, after a year of organization sand-fill procedure underground: and experiment during which many a troublesome kink had to be ironed out before the mine's operations. And it's certainly a slick setup.

As described in the Triangle of Sept. 1948. tailings from the Concentrator at Copper Cliff are dewatered and shipped in 78-ton cars to the mine where they are dumped into bins and then mixed with water to a consistency of about 60% solid. By gravity flow through three 6-in, pipes in a special sand raise it goes underground to be used as fill instead of rock. In full operation the new system pours about 4,500 tons of sand-fill into the mine every day.

In sections of the mine where operations have arrived at the normal transition from the stoping period of square-set mining to vertical and level pillar recovery, the sand is used to stabilize the rock-filled areas and solidify them so that they are not only selfsupporting but also will take the increased weight as the pillars are removed. It acts like cement as a binder. About 3's million tons of sand will be required to pack all the rock-filled areas of the mine; some 750,000 tons have already been poured into place.

fill during regular stoping operations.

From the accompanying picture layout our ing smoothly in the Prood section of Frood- readers will get an understanding of the

1. This artist's drawing shows sand-filling in progress in a regulation square-set stope, the new practice was completely adapted to At upper left a miner is directing the flow of sand-fill through a hose into the stope, with the assistance of his partner. All the area below them, from which the ore has been removed, has already been filled with sand. Brattleing and gob-fence planking, to prevent the sand pulp from flowing into the regular mine openings, are seen in place at the right. Filling will be continued until it reaches the top of the cap and girts here on the fourth floor above the sill, after which the next floor above will be mined in the Then it too will be packed usual course. with fill.

2. In this picture sand-fill is seen pouring from a 4-in. pipeline into a stope. Rail flooring over which the scraper will travel during ore-slushing operations is shown in the foreground. Throughout the stope the sand will be brought up to the hottom of these rails.

Lagging and Bratticing

3. Here sand-fill is pouring onto the mucking floor of a stope. Gob fence lagging is seen on the left- it will hold the sand back during subsequent pillar mining; the lagging is placed some distance apart in order to Sand is also being used instead of rock as (Continued on Page 10)

Copper Refinery Mechanical Dept. Scores 100,000



The Mechanical Dept. at the Copper Re- casting and transportation, were among Charlie Miller, ex-Refinery employee, finary achieved a coveted goal on Dec. 31 speakers who lauded the co-operation and when they completed 100,210 shifts without service of Copper Refinery's Mechanical Scott, Alex Watts, L. Bergeron, J. Dupont,

Twice previously the Mechanical Dept. There were 94 present at the enjoyable booki, were within hailing distance of the 100,000- party, at which entertainment of one kind Mahon, safe-shifts-mark, once scoring 80,000 and and another was supplied by Jim Dennis, 3. (Le another time getting up to 97,000, when acci- Johnny and Cliff Mahon, and Dr. Bowen. Howie F dents intervened to wipe out their fine work. But the boys kept plugging away, and success time at this time - honored annual get finally crowned their efforts. Hearty congrats to Mechanical Supt. Al Welblund and all his men, and to Safety Engineer Lionel Clemens, Russ Hewg'll, Al Welblund, Art

In the group pictures above, having a good Leo Beaudry. tcgether, are:

1. (On the left) Warren Koth, Harry Roy! Let's see you do it again, boys! Wilcox (chairman), Ralph Waddington, Bob Refineries Supt. Ralph Waddington, Supt. Russ Hewgill, Warren Koth, supt. of the Luck, Joe Bischoff, and Len Kitchener; on tankhouse depts., and Ross Rabeau, supt. of the right are Matt Bell, pensioner, and Rodger.

a lost-time accident. The record run com-menced in Feb. of 1948. Dept. at its annual banquet at the Ryan L. Paquette, L. Levesque, N. Losier; (on the right) Art Hunter, G. Thomson, L. Kasaright) Art Hunter, G. Thompson, L. Kasa-There were 94 present at the enjoyable boski, Johnny Mahon, Cliff Mahon, Jerry

> 3. (Left to right) Wes Hart, Joe Luptak, Howie Ringer, Charlie O'Reilly, Len Andrews,

> 4. (Left to right) John Sorgini, Skippy Rebelatto, A. Garicani, George Deschamps, Ernie Lemon, Grant Polmateer, Emil Jolley. Appreciation of the Mechanical Dept. for

4500 Tons of Sand Fill to Pour Into Frood Section Every Day

(Conlinued from Page 9)

In the tackground can be seen the ore. brattlicing used to cover the gangway. One of the decanting openings may be observed in the bratticing; considerable of the water from the sand pulp is decanted through these holes, but as the sand rises in the stope they are closed off one by one to prevent it escaping. In this way excess water is continuously decanted from the top until the stope is completely filled.

4. Bratticing cloth, which permits water to seep out but retains the sand, is being attached to the stope side of gangway timber in this photo.

5. Here's a completed filling job on one floor of a stope, the sand having been brought drains off and is pumped back to surface. above the cap and girts so they are completely buried. The remarkably level surface of the fill, which is now ready for stope flooring and the next round of ore recovery, is the result of the natural settling of the this type of breakage, so that further gangsand, no hand-levelling having been neces- way repairs are not expected where areas The fill is compact enough to be are sand-packed SHEV. walked on within a short time after pouring. 8. This is a view of a gangway barricade. for this month's Triangle was made.

The Old and The New

6. Pushing a standard rock-fill car along the rails, a miner pauses to gaze with affection on the pipeline which will carry sand into his section of the mine and eliminate the old-time filling method. Within a year fill cars, which hold about a ton of rock, will belong to the past at Frood. The new practice will no doubt be extended to other Inco mines.

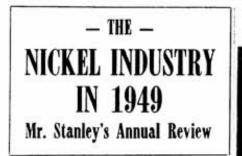
7. Here sand is discharging from a 4-in. pipe into a gangway in a rock-filled area of the mine which is being packed for pillar recovery. The water-borne sand plugs the small voids and tightens the rock-fill into a solid mass to provide the safest of working conditions during pillar removal. The water In the background can be seen a broken timber at the top of the gangway, cracked by heavy ground conditions; the sand packing right through the house. And in the backwill act to support the weight that causes

These barricades are placed at regular intervals under the area that is being sand-packed so that the sand which filters through to the level is retained. The muddy water is decanted through holes in the barricade. As the coarser material rises in the drift and starts to flow through these openings, they are closed in turn until finally the drift fills and packs tightly with sand. After the water has been drained from the area the sand which has deposited in the gangway is cleaned out by means of a sand-cleaning machine. This unique equipment, developed and built by Inco men at Frood, will be described in a later issue of the Triangle along with the pumping system which removes sand-fill water from the mine.

THE FRONT COVER

"Take her right in, boys! This one's for Hollywood!" roared Skip "Holly" Hyland, practically chasing his rock into the house. Bill Livingstone and Bill Allen swept furiously, and Frank Matte, the third man who had called for the shot, dusted off the spot he wanted it to fill. Basil O'Brien, the rival skip, warmed up the ice back of the tee with a forlorn hope that he might coax the stone ground Mac Canapini and Bill Darrach, iwo of O'Brien's men, leered at the frantic efforts of their opponents. The tlash builds popped and the camera clicked, and the cover picture

FEBRUARY, 1950



(Continued from Page 2)

revolutionary use of this material during the year was in the construction of several stainless steel buildings in the United States. These developments indicate that the architectural and construction industries offer one of the largest single potential markets for stainless steels.

"In the manufacture, transportation and handling of chemicals, drugs, food products and beverages, large quantities of these steels continued to be employed in various equipment, including the many types of coinoperated food and beverage dispensing machines now becoming so popular. Household appliances, restaurant equipment, shipping containers, sanitary equipment and a multitude of various items are manufactured of stainless steels.

"An interesting development which has accounted for considerable consumption of stainless steels has been their wider employment for lining pulp digesters in paper manufacture. The new processes for treat-ing fats and oils for the soap and detergent industries also are requiring extensive quantities of these steels for processing equipment operating at high temperatures and pressures. The ability of chromium-nickel stainless steels to maintain their strength and toughness at sub-zero and liquid air temperatures has prompted their use in many other varied fields.

"The aircraft industry in the United States continued to be an important consumer of stainless steels. Certain types of these steels, containing substantial amounts of nickel, are used primarily for heat-resisting purposes and find numerous applications in jet and gas turbine engines.

"In the United Kingdom and on the Continent, consumption of stainless steels has been held back by insufficient production facilities. However, further increases in the applications of these steels are expected when additional fabricating equipment, primarily rolling mills, is available. The major demand for stainless steels was from the oil and chemical industries which, particularly in the United Kingdom and France, are being greatly expanded. Fruit and processing fields, including milk handling, consumed large quantities of these steels in the United Kingdom, and experiments are now under way for their use in the construction of barges used to transport coal. The ceramic industry in France is employing stainless steel vats for handling special grades of clay which require treatment under difficult conditions

Mill and Foundry Products-

alloys, including Monel and Inconel, were widely employed in various applications throughout most branches of industry where resistance to corrosion, heat, wear, and other destructive conditions is required. As far as tanks, and in automatic gas and electric volume was concerned, Monel continued to lead malleable nickel and the other high





Dinner dances at the Copper Cliff Club, with Roy Bain's orchestra dispensing smooth melody, continue to be a popular attraction. Buffet service was a successful innovation the evening of Jan. 21, when the above pictures were made at two of the tables where everybody was having a good time: TOP: (clockwise) Mr. and Mrs. Don Fraser, Aubrey Mills of Fraser-Brace, Miss May Feeley, Mr. and Mrs. George Syer, Mr. and Mrs. Len Turner, Mr. and Mrs. Allistair Finlayson; BELOW: (clockwise) Mrs. Jack McConnell, "Mac" Miller of C.I.L., Mrs. Grant Benjafield, Jack McConnell, Mrs. Miller, Grant Benjafield, Mrs. Alvin Nickle, and Alvin Nickle, who was celebrating his retirement from the leadership of the Club orchestra after several years of solid musicianship.

of Monel and other high nickel alloys. In- plant equipment, Monel and 'K' Monel in sion of existing applications of these alloys as well as for their employment in new equipment.

"During the year the American Society of Mechanical Engineers Boiler Construction Code approved the fusion welding of Monel, "As in previous years, malleable nickel and International Nickel's various high nickel not only in the power and escentrational second to the but in other industries, including chemical. The building of new homes and the modernization of old ones continued to result in a wider use of Monel for hot water storage water heaters.

"Applications of high nickel alloys in such

troduction by those industries of new and improved products was responsible for exten- Monel, cast 'S' Monel and Inconel also in demand. Uses ranged from valve trim, espe-cially in handling high pressure steam, to tubing for both high and low pressure preheaters.

"The railroad field turned to the use of Monel, especially for fresh water storage

in the notable Gold Cup race during the year in the United States, and the Harmsworth Trophy race, were equipped with Monel propeller shafts.

(To be Concluded Next Issue)

To give praise should be one of the major nickel alloys in cast as well as wrought forms. "The chemical, processing and allied in-boat, were equal in importance with those at all hours and in all incidences. Watch dustries again were among the larger users prevailing in the chemical groups. In power for the chance-and then throw it in thick,





Scouts Enjoy Annual Party At Christmas

A bang-up feed to which 118 vigorous young appetites did full justice was the special Christmas treat for Copper Cliff Boy Scouts and Wolf Cubs. The big party was held in Memorial Community Hall.

In the picture of the head table guests seen above are: left to right, Frank Fielding, First Aid instructor; Martin Lemke, assistant Cubmaster; P. I. Ward, District Commissioner; I. J. Simcox, general assistant to the vice-president of Inco; W. J. Ripley, 1st vicepresident of the Sudbury District Boy Scout Association and a tireless worker for 15 years in the interests of Scouting; Bill Watt, assistant District Commissioner for Wolf Cubs; James Savage, Copper Cliff's Scoutmaster and Cubmaster, and assistant District Commissioner for Boy Scouts; Ed. Sutherland, First Aid instructor; Tom Wheatley, assistant Cubmaster.

In the distinguished group of Scouts seen in the second photograph above are, left to right, Wesley Graham, Ross McGauley, Don Saville, Melbourne Fielding, Billy Sheridan, Buddy Meaden. All are King's Scouts except the younger Billy Sheridan, who is Senlor Sixer for Wolf Cubs. Other King's Scouts of the Copper Cliff Troop are Albert Dunn and Tommy Mossey.

At the left is part of the enthusiastic crowd of Scouts who enjoyed the annual Yuletide Peace-makers and referees were party. posted strategically through the crowd; seen here are Fred Lumley and Walter Morden. which also belong Jack McBriar, Tommy Simmons, Clarence Meaden, Gordon Keast.

W. J. Ripley briefly addressed the gathering, extending his thanks and congratulations to the men who assist in guiding the destinies of the local Boy Scout movement. Martin Lemke expressed appreciation to the mothers of Scouts and Cubs who provided the tasty food and waited on the tables.

Copper Cliff now has 72 registered Wolf Cubs, sufficient for two full packs, and would have more if leaders would volunteer. It has a full troop of 32 Boy Scouts, and here again could enrol many more if leaders were to be had.

Scoutmaster Savage, turning a deaf ear to doctor's orders for him to slow down, is plunging with characteristic vigor into still another Scouting activity. With his impres-sive band of King's Scouts as a nucleus he is organizing a crew of Rover Scouts, senior branch of the movement which carries Scouting into the realm of a young men's club.



SILVER CROSS WINNER

This is Joanne Hamilton, 14-year-old daughter of Mr. and Mrs. John M. Hamilton of Gatchell, wearing the life-saving medal awarded her by the Canadian Council of the Girl Guides' Association. Joanne won the highest honor of its kind within the gift of the Girl Guides for her act of heroism in rescuing Wayne Cowdery, infant son of Mr. and Mrs. Bernard Cowdery, from their burning home. She dashed through a flaming rear shed and a smokefilled kitchen to bring the baby to safety from a bedroom. Her proud dad is employed in the Separation Bldg. at Copper Cliff.

DISCOVERY

My goal, they said, could not be won Except through patience, toil, and time. But I. untaught, resolved to shun So long a read, so slow a climb. A better way, it seemed would be To wait for luck, invoke its force: Perhaps my goal would come to me If luck would plan and shape my course. But putting this to test I found, As such a testing can't conceal, That patience, toil and time compound The only kind of luck that's real. -Florence Jansson.

Frood-Stobie Friends Give Party here are Fred Lumley and Walter Morden. For Sam Rose and Fred Young



Members of the Mechanical Department at who died in 1913. Two daughters and a son friends in the Inco service, gathered at the Sampo Hall, Sudbury, the night of January 20 to give a rousing sendoff to two popular veterans, Sam Rose and Fred Young, who had retired on pension.

Warm praise of their steady and con-scientious attention to their assignments during their long years of association with the Company was expressed by A. E. O'Brien, former supt. of Frood-Stoble and now safety supt. for the M. & S. Division, who made the presentation to Mr. Rose, and by Bert Smiley, asst. master mechanic of mines, who made the presentation to Mr. Young.

Sam Rose's gift from the boys was a beautiful engraved Longines pocket watch; Fred Young received an air-foam easy chair which makes him feel as if he's sitting on a cloud.

Ted Dash was master of ceremonies for the enjoyable stage program which was a feature of the smoker.

Samuel John Rose (on the left in the above photograph) was born at Smithdale, in Simcoe County, on Sept. 23, 1883, and in his early manhood farmed during the summer and worked in the lumber camps in the winter months. Then he embarked on a three-year junket through the western United States, taking a job here and there while he saw the country. He came to Sudbury in 1910 and started work as a hoistman with Mond Nickel Co. He became a drill fitter at Frood in 1923, and during the last 16 years has been on the salvage shop staff.

He was married in 1908 at Glen Huron to Mary Jane McAllister, and freely admits this was the smartest thing he ever did in his life. They have one daughter, Pearl (Mrs. George Field) whose husband works at Prood-Stoble, and four sons: Alec, of Copper Cliff Dairy, J. C., of Gatchell Motors, Orland, of the Open Pit, and Vern, of Copper Cliff Control Lab. They have 14 grandchildren.

Fred Young (pictured above at the right) was born in the village of Quyon, P.Q., in 1884. After lengthy experience which included 15 years as a millwright and later a shift boss with Algoma Steel at the Sault, he signed on with Mond Nickel Co. at Garson Mine in 1927 as a blacksmith. He transferred to Frood Steel shop in 1932 and was employed there until his retirement.

He was married in 1905 to Bella Kennedy,

Prood-Stoble Mine, along with many other were born to them: Meryl (Mrs. Sherwood Horne) of Gatchell, whose husband works at Stobie; Douglas, of Port Arthur, Isabel (Mrs. Chuck Ellis) of Toronto.

In 1916, on her parents' farm in the township of Thorne, P.Q., he was married to Mary Smith, and they have the following family: Wilfred, of Open Pit; Mel, safety engineer of Frood-Stoble (who gave a witty reply on behalf of his father at the presentation ceremony); Iva (Mrs. Omar Brideau), whose husband is employed at Copper Cliff Smelter; Opal (Mrs. John Dusick), whose husband is with Fielding Bros.; Clarence, attending Sudbury Mining and Technical School. There are 17 grandchildren.

A long and happy retirement to both these fine veterans of the nickel industry!



MISS SCHOFIELD HONORED

A smartly arranged dinner party at which the presentation took the guest of honor completely by surprise was given at the Copper Cliff Club by the gals of the Inco general office staff for Miss Louise Schofield in celebration of her 25 years of service with the Company. The popular secretary received a handsome gold watch from Miss Mary Ovens with the congratulations and best wishes of the gathering. They are seen above, Miss Schofield on the left.

FEBRUARY, 1950















Lots of Zip in Shift League Hockey Setup

Hockey-hungry fans of the Nickel Belt, eking out a meagre existence on the short rations which circumstances have forced on them this winter, should take a gander at some of the games being dished up in Copper Cliff Athletic Association's shift league at Stanley Stadium.

For sheer knock-'em-down and drag-'emout action, punctuated now and then by flashes of brilliant stick-handling and goaltending, the shift league is in a class by itself. The boys are out there primarily for the fun of it, but there's plenty of rivalry between teams to keep them on their toes, and they throw every ounce they have into the fray.

The loop is divided into two sections: in the evening division Concentrator, Machine Shop, and Blacksmiths go at one another on Tuesdays and Thursdays from 6.00 to 8.00; in the morning division the schedule includes McNeil's Shift, McNelce's Shift, Roasters, Sinter Plant, and Somers Shift. They play Wednesdays, Thursdays and Fridays from 10.00 to 12.00. Johnny Svec is secretary of the evening league and "Chick" Forrest handles the details for the morning section. Playoffs between the winners of the two divisions will decide the championship. At time of writing Concentrator and Roasters are top dogs, and "Biggy" O'Reilly of Concentrator is leading the scoring parade.

Good Staff of Referees

Referees who are doing a fine job of preventing mayhem without killing competition are Don McNabb, "Cappy" Capstick, Dick Dopson, Gino Zuliani, Fred Scanlon, Jack Gladstone, Guy Hashey, and Jack Newell. The Triangle camera caught the accompanying group of pictures during recent shift league sessions:

1. "Just before the battle, mother." In this dressing room shot are seen Prentice, Sou-





liere, Hepting and Gibson, stalwarts of McNeil's Shift.

2. Three Concentrator stars in one of the Stadium's cesy robing rooms: Holly Duncan, Billy Shewchuk, and Louis Fior, goalkeeper. 3. Raymond Taylor and Bud Robertson of

Machine Shop gird themselves for the fray, as do Joffre Perras and Toby Armitage of Blacksmiths in No. 4. Returning to the hockey wars after a four-year layoff, Toby soon hit his old stride, scored three goals in his first game.

5. Referee Dick Dopson struggles to break up a little tiff between Jack Gibbons and Moose Zanatta. Both were banished to the sin-tin to ccol off

6. The newly organized intermediate league has lured away a lot of players from the shift loop, which accounts for the plight of Jack O'Hara, Concentrator's master mind, in this picture. "All alone, I'm so alone," hummed Jack, who had only six players on hand to start the game. But the men from the mill won anyhow.

Killah Secres on Solo Rush

7. Definceman Bill Hodgins of Blacksmiths swoops in too late to block Johnny Killah, fast-travelling Frood import playing for Concentrator. Goalie George Constable hadn't a chance on Johnny's beautiful solo spree.

8. Some hectic action around the goal is seen in the game between McNeil's Shift and Roasters; the player who is lying down on the job is "Chink" Rouselle. 9. Goalie Gordon Hobbs of Machine shop

watches for the pass-out in a game against Blacksmiths. Art Claus and Bud Robertson are keeping close check on Kallio and Harper.

O'Brien Becomes Supt. of Safety Of M. & S. Division

A. E. O'Brien, superintendent at Frood-Stobie Mine, has been appointed to the new post of superintendent of safety for Inco's Mining and Smelting Division, it was an-nounced at Copper Cliff by R. L. Beattie, vice-president and general manager. The importance with which Inco regards its constantly expanding safety program is underlined by the appointment of a senior mine superintendent to the new position. headquarters have been established at Copper Cliff.

C. H. Stewart, superintendent of Frood-Stobie open pits, succeeds Mr. O'Brien as

son Quarry to the superintendent's post at the Open Pits, and he is succeeded as superintendent at Lawson Quarry by R. G. Dow of Open Pits.

H. W. Smith, assistant superintendent at Prood - Stobie, becomes superintendent of Murray Mine, N. H. Wadge of Prood-Stobie has been promoted to assistant superintendent of Garson Mine to succeed J. A. Massey, who becomes assistant superintendent at Creighton Mine

F. M. McAteer is transferred from Creighton to become assistant superintendent at Frood-Stoble, in charge of the Frood section; A. P. Olive moves from Murray to be assistant superintendent at Frood-Stoble, in charge of the Stoble section.

T. W. Kierans, assistant general safety engineer, becomes a senior foreman at Creighton Mine

E. O. Tigert has been promoted to assistant chief engineer of the Mines Department at and is trying to convince a somewhat reluc-Copper Cliff.





Christmas Tree Draw at Levack Club

excitement one small girl can stand to Eda Liveley, who assisted in distribution of 7-year-old Bonnie Bragg, daughter of Mr. lovely gifts to all the kiddles. and Mrs. Wesley Bragg of Levack Mine. In A children's choir. skilfully the big draw at the annual Christmas Tree conducted by Mrs. Don Dixon of Sudbury, in the Employees' Club Bonnie won the fur- was a feature of the fine program. nished playhouse in front of which she is seen standing in the top picture.

When Lloyd Davis, master of ceremonies, announced the result of the draw there was an enormous chorus of greans from the packed hall, followed by hearty applause for young Bonnie as she stepped up to claim her prize. Michael Dixon, 4-year-old son of Mr. and Mrs. Joe Dixon, won the draw for junior boys, his prize being a big teddy bear.

tant little miss that he's really not a bad amazed."

Christmas 1949 brought just about all the sort of a guy to know. On the left is Miss

A children's choir, skilfully trained and

NO ALTERNATIVE

Student: "I don't believe I deserved an absolute zero on the test, sir." Professor: "I don't either, but it's the

lowest mark I'm allowed to give.'

TOO GOOD TO BE TRUE

Speed Fiend: "It's great speeding along In the second picture Santa has arrived like this. Don't you feel glad your alwey" nd is trying to convince a somewhat reluc- Passenger: "Glad isn't the word, I'm



Major Robin Swain, new commanding of-Getting Acquainted ficer of Copper Cliff Highland Cadet Corps, is seen (second from the right) chatting with a group of his officers: Sgt. John Kennedy, Staff Sgt. Alvin Langstaff, Cadet Lieut, "Red" Butler, and Cadet Capt. Royston Morgan. Picture was taken at a reorganization meeting of the Corps to which the public was invited. Mayor W. T. Waterbury presided, and Major Swain outlined his program of activities.

Trades Training and Sports Feature New Deal for Cadets

A "new deal" which includes a broad pro- Robin Swain, of Copper Cliff, who served grain of trades and physical training under four years in the Second World War and tendance is on the upswing and interest is ber keen.

Robin Swain, of Copper Cliff, who served expert instructors is part of the recent re- emerged with the rank of major, is the new organization of Copper Cliff Cadet Corps, and commanding officer of the corps. He suc-the boys are going for it in a big way. At-

Both in Altamont, Man., in 1912, Major

Swain came to Copper Cliff in 1935. He is employed as a statistician at the Inco concentrator. He was married in 1936 to Bonnie Death and they have two children.

Assisting him in directing the activities of the corps is the advisory board consisting of the vice-president and general manager of Inco. R. L. Beattie; the mayor of Copper Cliff, W. T. Waterbury, and the president of the Copper Cliff branch of the Canadian Legion, B. M. Forsythe.

The new commanding officer of the cadets has retired from active participation in the affairs of the 58th Sudbury Light A.A. Regt. and will devote his full spare time to boys' training.

Two Sessions Each Week

Meeting twice weekly at Memorial Community Hall, the cadets devote Wednesday evenings to trades training and signals, in which instruction is given by Lieut. Wayne West of Murray Mine, and also to learning the fine points of driving and maintenance of vehicles, which is taught by Major Swain and Sgt. Maj. "Hap" Clark. Friday evenings are given over to drill and physical training. the program for the latter including gymnastics, boxing, wrestling, indoor softball, and other organized sport. The professional physical instructor is Cpl. John McOrmand of Sudbury.

Major Swain has issued a challenge to the Air Cadets and the Sea Cadets for a sports meet in the spring, and the dare has been enthusiastically taken. A full program of track and field events will be run off. New uniforms and sports equipment will

be secured for the corps as soon as they are available. A pipe band is to be organized.

LIGHTS AND SHADES

The gloomiest day hath gleams of light, The darkest wave hath bright foam near it, And twinkles through the cloudiest night Some solitary star to cheer it. The gloomiest soul is not all gloom; The saddest heart is not all sadness; And sweetly o'er the darkest gloom There shines some lingering beam of gladness. Despair is never quite despair; Nor life, nor death, the future closes; And round the shadowy brow of care Will hope and fancy twine their roses.

-Felicia Hemans.



Money Well Spent Supporters of the special projects sponsored by Copper Cliff Branch of the Canadian Legion will learn with keen satisfaction that the branch recently, at the suggestion of Comrade "Specs" Telford, approved a donation of \$275.00 to the Hospital for Sick Children at Toronto. The cheque, bearing the signatures of President B. M. Forsythe and Treasurer Tom Smith, is reproduced above.

Cowboy: "Getting your saddle on backward, aren't you?" Dude Rancher: "That's all you know about

it, smarty. You don't even know which way