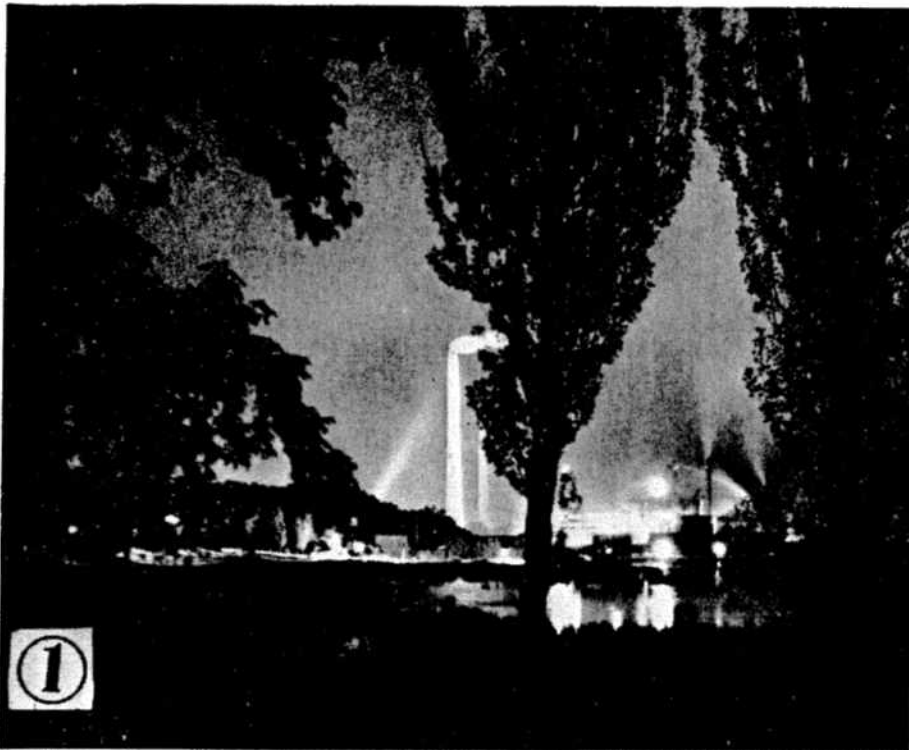


INCO TRIANGLE



1



2

Night Waterfront

1 The big stacks at INCO's Port Colborne refinery are flood-lighted at night as a protection for passing planes, but to the camera fan the reason might well have been to provide beautiful exposures such as this.

★ ★ ★

Prize Gardens

2 Mrs. E. McKerrow, residing at 13 Power St., this year won the \$20.00 prize for the best home surroundings in Copper Cliff, it is announced in the statement of awards in INCO's annual contests for lawns and gardens. The awards are released by C. D. Ferguson, of the Company's Agricultural Department. R. H. Boehmer, 10 Granite St., placed second, and the next eight in the list of 40 winners were: David Hutchison, 33 Power St.; A. E. Burford, 9 Power St.; W. W. Chapman, 6 Kent St.; W. T. Balmforth, 23 Cobalt St.; Gordon Keast, 7 Poplar St.; T. Montgomery, 35 Power St.; Chas. Lyons, 4 Kent St.; George Norman, 4 Balsam St. First prize for the best kept home surroundings in the Cliff went to Wm. Chisholm, 17 Rink St., with Harry Trotter, 1 Balsam St., second; John Thompson, 31 Power St., third; Robert Stevens, 36 Power St., fourth; and Wm. Bradley, 13 Cliff St., fifth. Wm. Acheson, 15 Power St., won the \$20.00 award for the most improvement to home surroundings in Copper Cliff. At Coniston, Harry Pigott's grounds took first place for best home surroundings, with John Angove second, Lawrence Jeffrey third, and Wm. Burns fourth. Ed. Myhill's home surroundings were judged the best at Creighton, with Alex McLean second, Maurice Johnson third, and Ross Clark fourth. Judging was done by J. M. MacIntosh, Sault Ste. Marie. Photo shows Mrs. McKerrow in her beautiful garden.

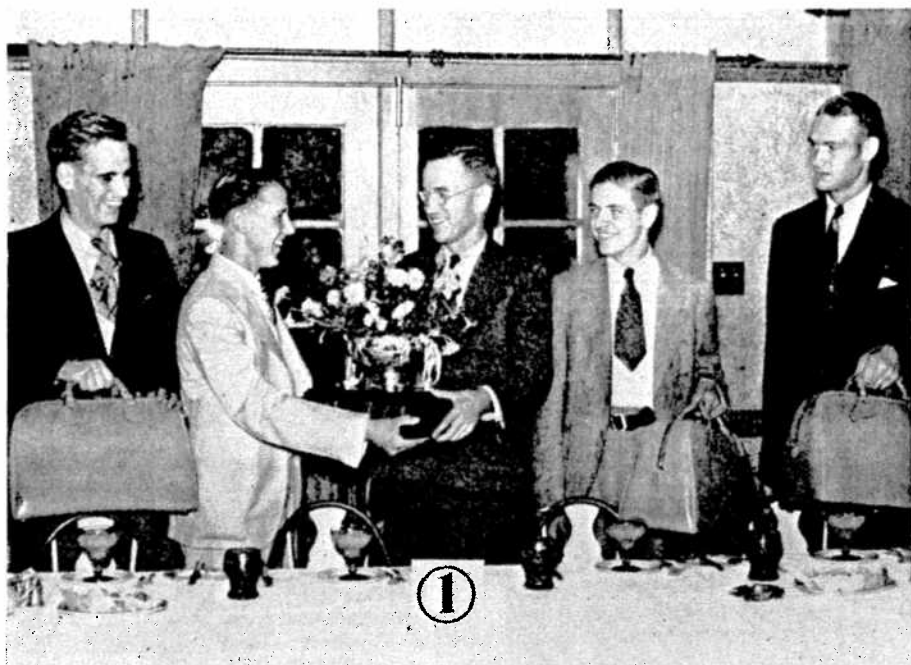
Inset: Luscious MacIntosh Red apples, grown right in Copper Cliff this summer by George Suckow, Finland St. (Okanagan papers please copy.)

BRING 'EM UP ALIVE

Catching them alive and keeping them alive is the business of a fishing boat which supplies the aquariums at Marineland, Florida, with rare salt water fish. Designed to chase the fish into shallow water and over shallow bars as well as into deep seas, the boat is equipped with monel propeller shafting which is said to resist bending and breaking when the boat touches bottom. In capturing some of the largest fish and sea mammals alive, a hypodermic bullet is used to drug the creatures. After the fish is captured, a tank is run out into the sea through a trap-door in the stern, the stunned fish is floated in and the tank hauled back into the boat.

STADIUM OPENS

Official opening of Stanley Stadium, Copper Cliff, is slated for Saturday, October 1st, with "Skate to Health" the slogan for the winter. Hockey, figure skating and regular skating hours promise to keep the big ice plant going at capacity again this year.



Inter-Plant Golf

1 Six four-man teams entered the first annual inter-plant golf tournament at Idylwyde in late August, to launch what promises to be an event of major importance on the INCO sport calendar. The ORCO entry played steady golf throughout the day, posting a total of 361, and were declared first winners of the handsome trophy donated by R. L. Beattie, and to be replaced if any team wins it three times. The score sheet pointed to Pete Nazar's 39-40-79 as the big factor in ORCO's win, but not to be overlooked was the splendid comeback made by his brother Phil on the 18th green when, forced to play from behind a bank of cars, he recovered to the green with a beautiful pitch. Had Phil fozzled the shot and left himself deeper in trouble, Frood might easily have won the day's laurels, for they were only three strokes behind in the aggregate tallies. Just six strokes behind the winners came Creighton, and Smelter, Office and Meds finished in the order named. Photo shows the ORCO team, with their individual prizes, receiving the championship trophy: Left to right, Jack Noble, Pete Nazar, R. L. Beattie, Phil Nazar, Jim Charlton.

★ ★ ★

Frood Runners-Up

2 Individual prizes at the inter-plant golf tourney were donated by INCO General Athletic Committee, and Chairman J. W. Gemmell is seen presenting the runners-up awards to Frood: Left to right, Jack Higgins, Bob Hall, Charlie Price, Bob McAndrew.

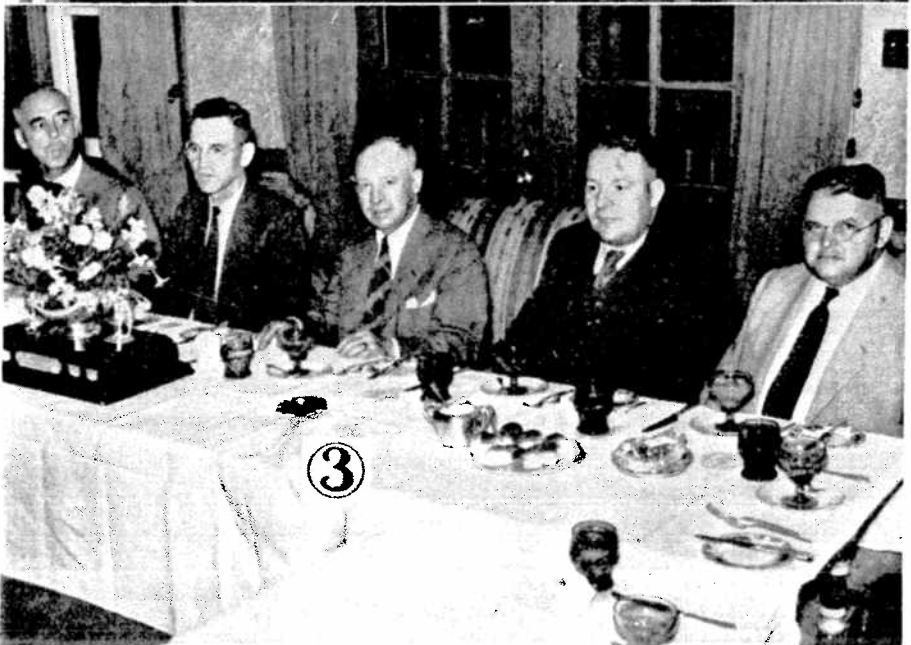
★ ★ ★

At Head Table

3 A storm which abated during the day just long enough for the golf matches to be played, broke with renewed intensity as the banquet commenced, and the clubhouse lights went out, necessitating use of candles. It was suggested that the apparent failure of the Mazdas was actually a ruse on the part of the medical fraternity to cover their blushes at finishing last on the day's play. Seated at the head table for the banquet: Left to right, J. W. Gemmell, R. L. Beattie, E. A. Collins, H. A. McDougall, G. A. McFarlane. Messrs. McDougall and McFarlane were in charge of scoring for the tourney. During his remarks as chairman, E. A. Collins explained that his absence on the General Office lineup that day was by no means due to any lack of ability, but rather to the fact that he was really a professional, having taught Phil Nazar the game when that young player was still in the caddie ranks. It was regretted that Port Colborne were unable to send a team for this year's tourney, on account of another match the same day at Lockout Point, in which W. Wallis, G. Winger, E. C. Lambert, F. H. Lymburner and W. J. Freeman shot the very creditable five-man aggregate of 383. Scoring a Copper Cliff suggestion that they spend the winter in Florida to train for next year's inter-plant matches, the Port Colborne divoters threaten to invade Idylwyde in 1939 and lift the Beattie trophy by a wide margin. Messrs. Nazar, McAndrew, Regan, Nute, Robinson, Mutz, et al, please note.

LIVE WELFARE GROUP

Reviewing a summer of successful activity on all fronts, Garson Welfare Association pauses on the threshold of its winter program to express its appreciation to Supt. J. B. Fyfe and INCO for co-operation and support. Membership at about 95% of plant enrolment, Garson Welfare this summer succeeded among other things in providing a beach and dressing rooms for its members, sponsored a school children's treat day in Sudbury, ran a series of very popular dances, staged a bang-up picnic, and generally was on its toes.





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

EDITORIAL OFFICE COPPER CLIFF, ONT.
Don M. Dunbar, Editor

VOL. 2, No. 7

OCTOBER, 1938

Congratulations

At the risk of what to some may seem like unnecessary repetition, Triangle once more directs the attention of its readers to the Safety chart on page 6, and more particularly to the seven-year averages for the months of July and August. As has been pointed out, midsummer laxity has always bred a heavy accident toll in these two months.

This year INCO's Safety department launched an extra drive to defeat the midsummer accident bogey, and glowing triumph crowned the effort. The 1938 accidents-per-1000-shifts rating for July was actually the lowest of any month in the Company's history!

To everyone who had a part in this singular achievement, and especially to the employees whose enthusiasm and receptiveness made possible the success of the Safety department's campaign, go our very sincere congratulations.

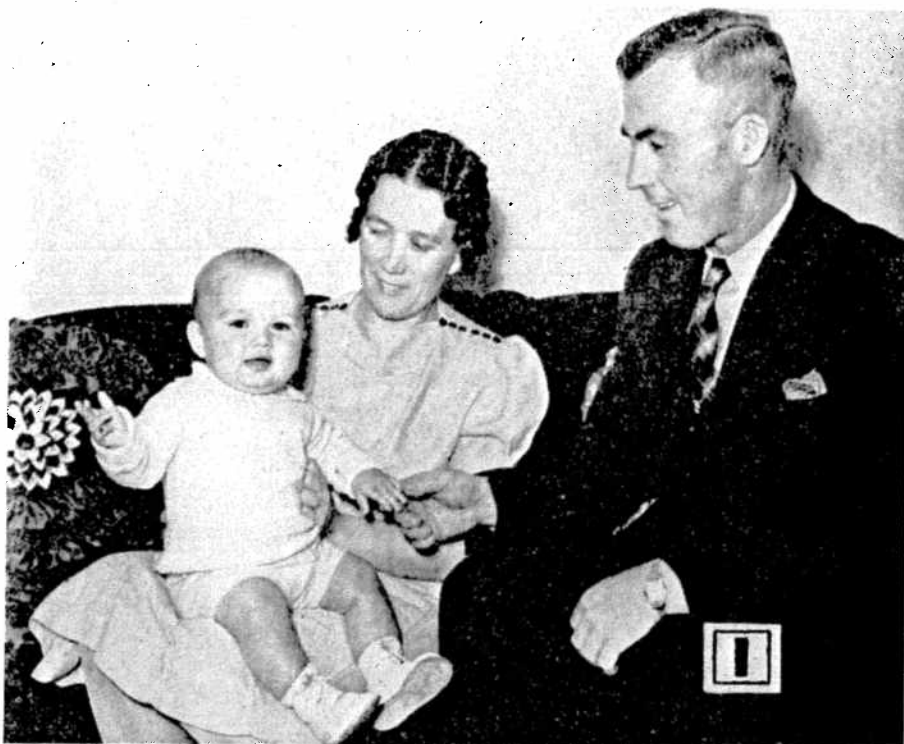
From this inspiring example may there be born in the mind of every INCO worker a new conception of what hand-in-glove Safety co-operation can do.

He's a Champ

1 Bobbie Dougan, as healthy a young rascal as ever faced the camera, won second prize in the Lions Club baby contest in Sudbury this year. Later in the season, visiting friends in Ottawa with his mother, he marched into another baby contest there and lifted first prize in the 6-12 months' class right from under the noses of the proud lads and lassies of Parliament Hill. Bobbie was judged a perfect baby, and was awarded 995 points out of a possible 1,000. The perfect six-months' baby, said the judges, must follow a bright object with his eyes, and at 12 months he must be able to recognize his mother and cling to her. Robert, however, is apparently so well advanced that he recognizes and reaches for championship ribbons. Until the Hollywood scouts make him the offer he wants, he's living with his mother and dad at 428 Antwerp Ave. His proud pappy is a tool-fitter on 2800 level at the Froid.

★ ★ ★

Backed by enthusiastic committees, Garson's leaders of young people have produced excellent results, and the youth of the camp is well organized. Photos 2 and 3 show the Guides, Brownies and Boy Scouts. Guide leaders in the picture are Mrs. L. J. Atkinson and Miss Bernadine Fyfe, and the Scoutmaster is B. Spencer. The girls giggled before the camera because the boys stood by and made wisecracks. Most of the boys were able to stand steady when the tables were reversed, but two or three of them cracked under the pressure.





Big Program at Employees Club

Nearly 400 couples attended the big opening dance of the season at INCO Employees Club and launched a program of fall and winter activities designed to hold the interest of every member.

A wide range of sports selections is offered Club participants, and organization is underway on all fronts with bowling in the lead. Bigger and keener than last spring will be the inter-department leagues which are being set up, with 40 teams from Frood, 24 from Copper Cliff, and 10 from ORCO. Once these schedules are completed, in about six weeks, all-star teams from each league will bowl a series to determine the winner of the Club's Inter-Plant trophy, now held by Hurd's lineup from Frood. A ladies' bowling loop is also being lined up, and a larger entry is certain in this section, too.

BADMINTON COMMITTEE

For the beginner as well as for the experienced player, the Employees Club four fine badminton courts will offer plenty of attraction this season. A committee was named at a meeting of the members to superintend activity, as follows: Chairman, Jack Gordon, ORCO; secretary, Mrs. D. Forster, ORCO; Miss Noreen Regan, Copper Cliff; Mrs. D. Goodale, Frood; D. Nickerson, Copper Cliff; R. McAndrew, Frood. Since many of the badminton enthusiasts will be playing their first season at the game, the committee named September 27 and 29, and October 4 and 6, as evenings on which courts one and two will be reserved for beginners, with instructors on hand to explain the fine points. A "badminton bridge," in which players progress from court to court and keep a point tally as in bridge, is slated for October 13 at 7.30 p.m., and all members are expected to attend.

The Club's big auditorium provides room for two practice basketball courts and one regulation court, and these have been laid out. A meeting of those interested in basketball produced a large and enthusiastic turnout, and it was obvious that there will be a high-class brand of play in the Club schedules. Here, too, the beginner is being given special consideration, with volunteer coaches promised to give instruction. Plant representatives on the Club's basketball committee were named as follows: Copper Cliff, Ivan Fraser; Frood, Lloyd Edwards; ORCO, Lionel Roy; Creighton, Jack Rountree; Coniston, A. Eastwood. Teams from ORCO and Copper Cliff will form one group in the season's first league, and teams from the other three plants will tie up in another section. After a six-week schedule, players will be graded according to ability and divided into divisions.

ATHLETIC CLASSES

The regular weekly Club schedules, which are to be posted at all plants for the convenience of members, will include also boxing and wrestling classes for men and boys, and gymnastic classes for boys and girls. Fully qualified instructors will be in charge of all classes.

Interest in table tennis is cropping up, and tournaments will be arranged for devotees of this fast game. The Club directors have also decided to instal a handball court in the gymnasium, after receiving a large number of requests for this accommodation. Snooker and billiard tournaments, regular bi-weekly bridge parties, and the highly-popular Club dances, are other features of the program.

It appears that Club members will be concerned not so much with finding things to do, but rather finding time to do them in.

THE PICTURES: Happy groups caught by the camera at the Employees Club dance September 23.

A Camera Eye

1 Terry Bradbury is pictured here on the job at the Zeiss Neophot Metallograph in Copper Cliff research laboratory. This highly complex precision instrument is a combination microscope-camera used in the examination of polished sections of metals and ore specimens. It is capable of producing a photomicrograph of a specimen magnified 4,000 times.

★ ★ ★

Babbitt's Secrets

2 And this is a photomicrograph, picturing the structure of a piece of metal after it has been magnified 100 times. Here's why and what: Mr. Babbitt is a useful old gent who does a variety of jobs, one of which is in the bearings of the cranes in the smelter. The mechanical department wonders if Mr. Babbitt is in proper health to do this job at the height of efficiency. So Mr. Babbitt sits for his portrait. This is it. At the risk of embarrassing the kindly old gent, we reveal that the square white bones in his body are hard, and made of tin and antimony. The long needles and stars are also hard, but they are made of tin and copper. The grey flesh is soft and mainly tin, and the black liver is likewise soft but rich in lead. Each of these constituents of Mr. Babbitt serves a very definite purpose, and the metallurgical doctor can tell at a glance the state of his health. The bone structure must be of sufficient quantity and of the proper type to give the crane bearing strength and wear resistance. Yet he must not be too skinny, because a certain pudginess is essential so that he can adjust himself to his load and thus evenly distribute it over his whole body. Unless Mr. Babbitt's health is up to scratch, he cannot qualify for work in the smelter. As it turned out, after the metallurgical doctors had looked him over very carefully, this Mr. Babbitt was pronounced sound and suitable for his job.

★ ★ ★

Turn On a Dime

3 An easy assignment for the Zeiss Neophot was this four-time magnification of a novelty produced by Police Constable A. Watson of Copper Cliff. Constable Watson can sit down with his summons pencil and write the Lord's Prayer on a circle of paper the size of a dime. Just to be sure he didn't run over the edges or leave out any words, we called in Mr. Bradbury and his metallurgical eye to check up for us.

★ ★ ★

Miniature Fan

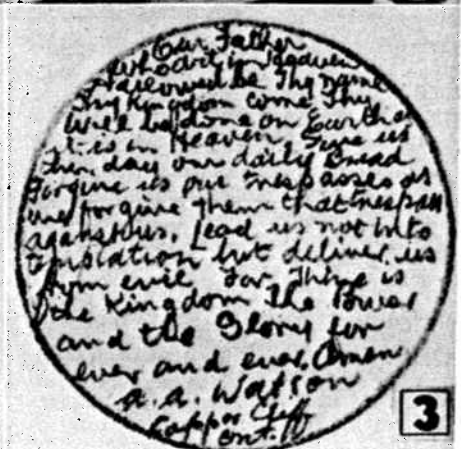
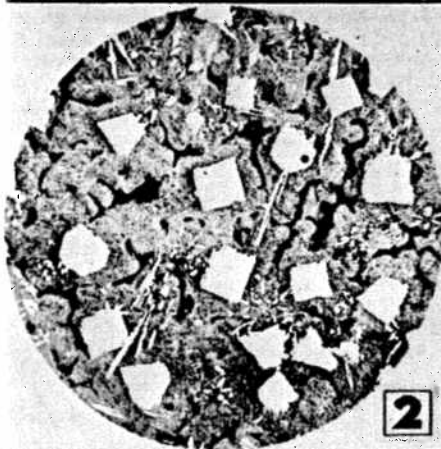
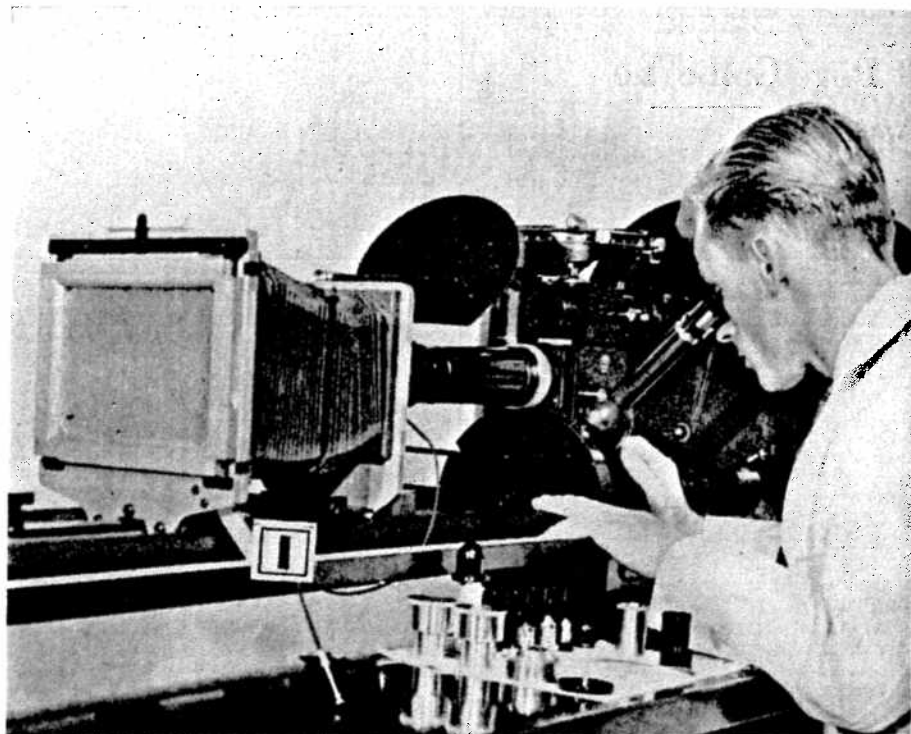
4 Constable Watson doing his stuff. His knack with miniatures of this nature he acquired when he was a lad in the Old Country. Then his hobby was building models of sailing ships and other intricate pieces of construction.

MR. MONEL, THE TAILOR

One of the largest manufacturers of men's suits uses 60-mesh Monel wire cloth for the upper pads of pressing machines. Monel gives a more even distribution of steam than cloth, resists the constant flexing at the edge of the pad better than the metal screen it replaced and gives two or three times the life.

SIX-TON CYLINDER

A high pressure marine cylinder weighing six tons was cast recently by the Houston Foundry and Machine Company, Houston, Texas. Overall height was 73 feet and width 8 feet. Cylinder bore was 25 inches. Made of alloy iron containing upwards 1 per cent. nickel, it showed a tensile strength of 40,000 psi.



Big Day Staged At Port Colborne

With several thousand interested spectators lining the walls of Port Colborne's inner harbor during the morning to watch the aquatic events, and another two thousand or so packing Elgin athletic field for the track and field events during the afternoon, the big sports and entertainment day of the INCO Athletic and Welfare Associations at Port Colborne, September 5, was a decided success.

CONCESSI IS CHAMP

Louis "Jiggs" Concessi is the track and field champion of the INCO A.A. as a result of some fine performances in the field events. Concessi, one of the outstanding discus throwers in Canada, won the discus throw with ease for one of his major triumphs of the day, throwing the discus 125 feet, six inches, some 10 feet less than his record made in Ontario championship competition this summer. He added the shot put and 56-pound weight throw titles to his credit, and picked up a third place in the pole vault to complete a total of 16 points and win the championship.

In second place, runner-up to Concessi, was Glen Roach, with nine points scored in both track and field events, including seconds in the 100 yards and running broad jump.

NO. 4 BLDG. WINS

Number Four building's tug-of-war team out-pulled the Shop in the final of the tug-of-war event in two straight pulls to win the prize in this interesting feature of the program.

An excellent vaudeville program and concert at the INCO Recreation Club in the evening completed a crowded day, and the large auditorium was filled for the show presented by Durbin Nixon and Joe Sheddon, with Nixon as master-of-ceremonies.

SCIENCE OF ALLOYS

While some metallurgists are busily engaged in achieving the maximum purity of metals for certain industrial applications, other metallurgists are just as busy in developing combinations, or alloys, of metals to meet special requirements as to strength, hardness or resistance to fatigue or corrosion. Production of alloys has thus become a special science in which nickel, alone or in combination with such other alloying elements as chromium, molybdenum and copper, is frequently used to give to iron or steel the special mechanical properties demanded of many modern industrial materials.

PREVENTS SHRINKAGE

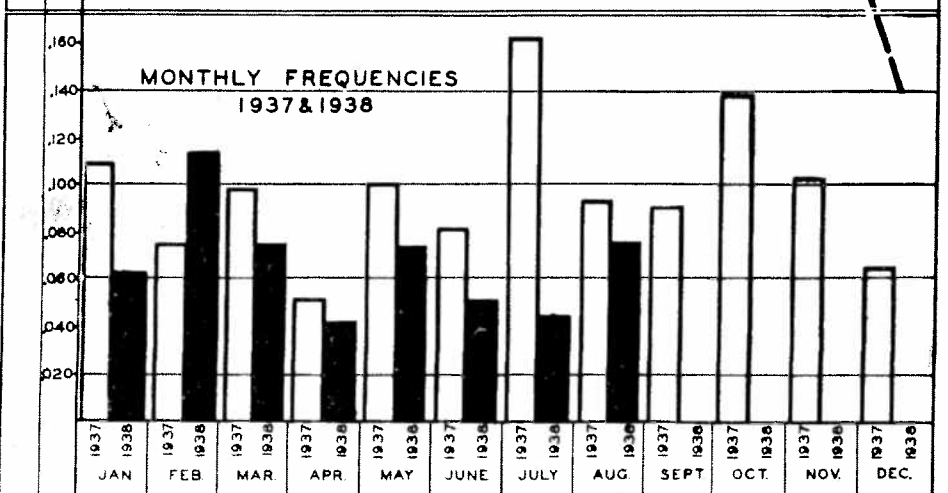
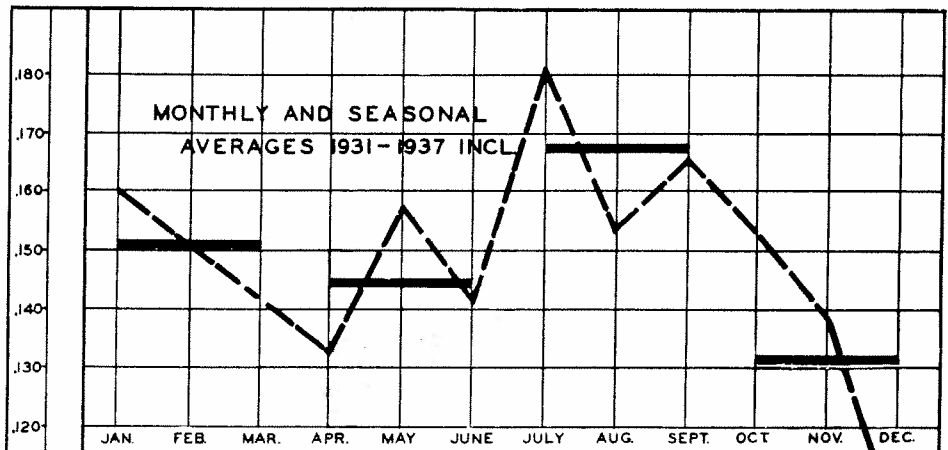
The Arizona climate, with its extremes of temperature, subjects bridge structures to considerable expansion and contraction. Bearing qualities of friction plates on which a bridge rests are therefore of great importance. The state highway department has adopted bronze for this purpose. Excessive casting shrinkage encountered at the junction of web and surface plate has been completely overcome by alloying the bronze with 2½ per cent. nickel.

SWEET JOB FOR MONEL

Canada taps approximately 25,000,000 maple sugar trees every year, most of them located in the Province of Quebec. In order to encourage production under sanitary conditions, the provincial government sends collectors who gather the fresh sap in large monel tanks, transport it by horse and sled to the government's model syrup-making plant for refining.



In 1926 Garson Gunners licked the platter clean of all soccer trophies in the Nickel Belt. Greatest Garson edition since that time, this year's lineup didn't quite duplicate the feat, but won three of the four cups available. The team and committee: left to right, back row: Chris Sathrang (coach), Arthur Lye, Lou Hughes, Dave Fitzpatrick, Malcolm Brown, R. McCauley (manager), Sid Gemmill, A. McAllister; second row: Dave Green, Red Neal, Geo. Harrison, Art Thorburn, Bill Muir, Hughie Rolison, Murray McMaster; front row: Taffy Davis, Olavi Matson, Pete Drogoski, Fred Armstrong; Joe Fyfe (mascot).



On receptive ears fell the Safety department's plea for special precautions against accidents on the part of all employees during the midsummer months. And results were striking. In every other year the accident toll per 1000shifts-worked has leaped alarmingly. But in 1938, with co-operation clicking splendidly at all plants, July produced the best monthly Safety figure in the Company's history, .045 accidents-per-1000-shifts worked. August showed gratifying improvement also.

Lacrosse Revival

1 For the first time in five years a lacrosse match was played in the Nickel Belt, when two Creighton teams staged an exhibition as a feature of their Welfare Association's very successful field day. Barked shins and bruised cocos were numerous following the match, but the lads all thoroughly enjoyed the local revival of a famous Canadian game. Many a neat play was in evidence, too, indicating real prowess in yesteryears. In the group, left to right: Back row, Jim Devonshire and Alf Devonshire; second row, Bert McCormick, Dolph Teahen, Jack Behenna, Tom Booth, Walter Nicholson, George Read, Roy Leck, Norman McDonald, Dick Perry; third row, Orville Simpson, Bob Mosher, Leon Breen, Leslie Leck, Dick Brooks, Bob Pascoe, Sandy McLean; front, John McDonald and Charlie McCarthy (can you find him?).

★ ★ ★

"This Way, Gents!"

2 Doing a rushing business at his concession on the Creighton field day midway was Vic Tremblay, who raked in a neat pile of coppers for the Welfare exchequer.

★ ★ ★

Hockey Huddle

3 While the boys were getting squared away for the big lacrosse match, these three Creighton ladies went into a huddle on the sidelines to discuss their plant's chances for hockey supremacy this winter. Left to right, Mrs. Bert Beer, Mrs. Jack Behenna, Mrs. Jim Devonshire.

★ ★ ★

Joe and Jimmy

4 Joe Nicholls may be a veteran of many years in INCO's employ, but his son, Jimmy, apparently thought that was no reason why his dad shouldn't look as young and frisky as anybody at the Creighton field day. The Triangle camera caught him straightening up the paternal cravat. Old-timers being old-timers, however, it didn't stay straight very long.

★ ★ ★

Looking It Over

5 Flanked by two equally interested members of Creighton's younger set, Margaret McLaughlin, daughter of Leo McLaughlin, watches the turn of the wheel at one of the midway concessions.

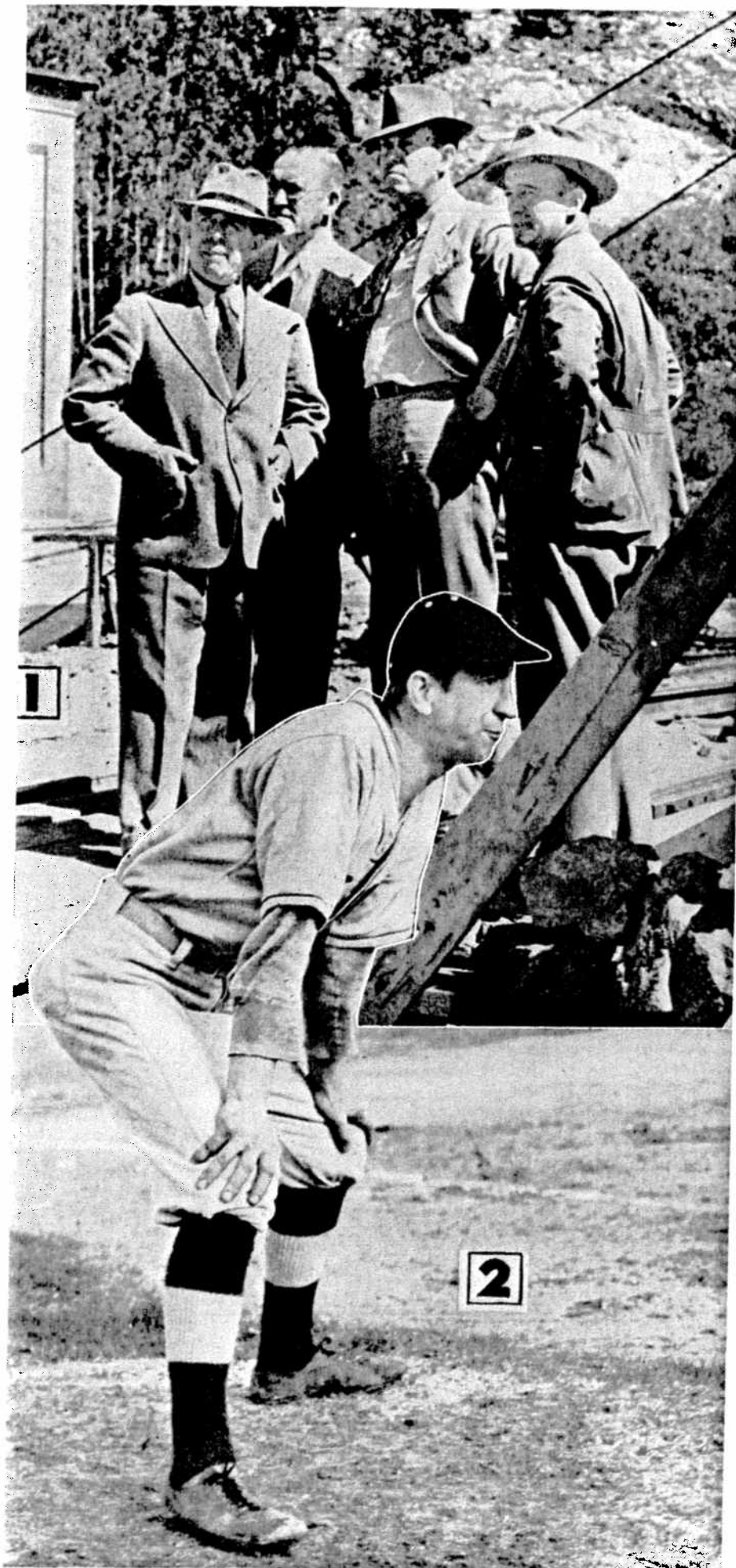
CURLERS ORGANIZE

All indications pointed to a big season when the annual meeting of Copper Cliff Curling Club was held in the town hall. Innovations in the winter's program will probably attract new members, and all the old guard will again be on deck. Officers were elected as follows: Honorary president, Donald MacAskill; honorary vice-presidents, R. D. Parker, E. A. Collins, R. L. Peek, F. Benard and P. F. McDonald; president, D. Finlayson; vice-president, W. W. Henderson; secretary-treasurer, T. H. Rowe; assistant secretary-treasurer, J. Hazelden. Working in conjunction with these, J. Hudson and K. Madill will form the executive.

NICKEL AMBASSADORS

When the international convention of Y's Men's Clubs was held in Toronto this year, the president received as a souvenir from the Sudbury club a chunk of copper-nickel ore, polished and mounted on a wooden base. Each delegate was presented with a five-cent piece as a memento of the nickel district, and the Sudbury delegation, attired in full miners' regalia, sang a clever parody of greetings from the Nickel Belt, written by Doug Mackie, of The Sudbury Star. "Duke" Jarrett, Harry Meades and Bruce Seli were INCOites among the delegates.





All Okay Here . . .

1 Progress on INCO's construction projects was checked by President Robert C. Stanley during his recent inspection trip to the Company's Northern Ontario plants. Here he is seen at Levack, looking over the new surface plant at No. 2 Shaft. In the group, left to right: President Stanley, Vice-President Donald MacAskill, General Superintendent R. D. Parker, Mines Superintendent H. J. Mutz.

★ ★ ★

But Not So Hot Here

2 Less satisfying a picture spread before the eyes of "Fitz" FitzJohn, Frood baseball coach, when at Athletic Park he watched his men mowed down 1-2-3 in the last innings of the deciding Nickel Belt League game against the victorious Creighton Cubs. If Fitz's physog looked a trifle disillusioned in that final innings, he was to be pardoned. The three batters he saw sent hitless to the cleaners made a total of just 17 strikeouts in the game for "Babe" Marchildon, the Creighton hurler, who has literally been burning up the loop this year, and is slated for a tryout with Dan Howley's Toronto Maple Leafs. "Can Creighton Keep the Monel Cup?" asked a headline in Triangle at the start of the ball season. They not only could. They did. Frood put up a great argument, winning the first game of the finals 3-0, and dropping the second encounter 6-1, but Marchildon was matchless when the chips were down for the last time, and led his hard-hitting mates to a 5-3 victory. The tussle sparkled with sensational catches, hefty larruping of the old apple, deadlocked scores, and everything that goes to make a red-hot wind-up for a hard-fought league.

WIN SOFTBALL TITLE

Inter-level softball laurels at Frood this summer went to Tom Peacock's lineup, which coasted through the 26-game schedule with only two losses. The champs nevertheless got plenty of opposition in the final with Archie Massey's aggregation. Tempers flared at one stage of the game, and it took some high-class diplomacy to keep the boys playing baseball instead of Cowboys and Indians. Peacock's crew jumped into a 15-3 lead early in the battle, and it looked like a walkaway for them, but before the last innings were over the Massey men had made the tally much more respectable at 17-11. Lineup of the victors: Chicken, Guian, Betteridge, Webster, Morrow, J. Dunn, E. Dunn, Laundry, Cunningham, McLeod, Moore; "Brownie" Brown, manager.

JACK HAD CLOSE CALL

A heroic and successful effort to protect his wife almost resulted in Jack Rountree, Creighton ball player, bleeding to death. Rountree, capable third baseman, lost almost two pints of blood from severe lacerations he received about his face after he threw himself in front of his wife, to save her from injury, when the car in which they were riding collided with a Sudbury taxi. Rountree was injured when the car rolled over. Riding in the rear seat with his wife, he received a long laceration to the right of his nose, which required 12 stitches to close, and a deep cut over his right eye, which needed two more stitches.

WRONG LAVIGNE

Frood friends of a certain well-known little hockey player took a quick second look when they saw this headline on the front page of The Sudbury Star: "Win Love With Kindness Is Lavigne Man's Secret." Once they got into the news story, however, they found the "Lavigne" mentioned was a town, and not a man. But at first glance it looked as if Frankie had decided to break down and tell all.

Mrs. Camilucci Makes Macaroni

Now gather 'round, all you fair young brides, while Triangle's Domestic Science Department gives you the inside dope on how to keep the matrimonial seas as calm as the proverbial mill-pond.

Learn how to make your man reach for his slippers instead of his hat. Learn how to feed the handsome brute until he hollers for mercy, but begs for more punishment. Take a tip from Mrs. Camilucci, of Copper Cliff "Hill," who keeps five big fellows hanging around her kitchen like bees around honey.

Mrs. Camilucci makes the real Italian macaroni. And this is how she does it:

1 Into a small crater of flour on her baking board she breaks the good fresh eggs.

The production basis is one egg and two cups of flour per person, normal working-man's appetite.

2 This accomplished, Mrs. Camilucci proceeds to mix the eggs and the flour very, very thoroughly. That puts her in the dough, so to speak. When she has kneaded the dough (don't we all?), she rolls it up and drops it in a pan for a few moments, and for company she also puts into the pan a few drops of olive oil.

3 Now it's time to roll out the dough, which Mrs. Camilucci does with a longer and thinner rolling pin that most husbands' heads are used to. Time and again she rolls and unrolls the dough on the rolling pin, taking great care not to break the surface which gradually spreads out before her.

4 Eventually, Mrs. Camilucci has literally a whole sheet of dough, which she now holds up for your inspection, half unrolled. It is almost as thin as a piece of paper, and it is now ready for cutting.

5 So she rolls it up this time without the rolling pin, because who in heck wants to eat sliced rolling pin? Laying the long strip on her cutting board, Mrs. Camilucci slices it about every quarter of an inch, and her deft fingers do this so quickly that you have to watch very closely or you get the idea maybe it has been sliced all the time and is just falling apart.

6 When the macaroni is all sliced, Mrs. Camilucci picks up the slices, shakes them out, and presto!—there's the good old macaroni, just like you and I used to cut away at a piece of folded paper on a rainy afternoon, and all of a sudden we'd have a great big pretty snowflake. Into a pot of boiling water now goes the macaroni, for only five minutes or so. And out it comes again, to be spread on a platter and garnished with a sauce of your own liking. Personally, Mrs. Camilucci likes a giblet sauce, into which she sometimes is wont to drop a bit of pork fat. And who are we to argue with her!

7 After she has applied the jolly old giblet sauce with the odd touch of pork fat, Mrs. Camilucci shakes on a sprinkling of grated cheese, muddles them all up together a bit so you don't get just sauce and I don't get just cheese, and into the dining room she parades with a dish like we show you here.

8 Whereupon the Camiluccis, who have been lurking eagerly in the *offing*, descend in a body and go to town. From the left they are: Primo, of the nickel reverbs; Delia, who goes to school; Mrs. Camilucci herself; Ernesto, her husband, who has been in the converter building for 22 years; Johnny, who works with the yard gang; Johnny's wife; and Romolo, who is with Dan Kelly's crew.

Mrs. Camilucci, who is 62 and merry as Santa Claus, has often made macaroni for as many as 35 men in one batch. She likes doing it, and you can bet your bottom dollar they liked eating it.

Well, that ends the first lesson, girls. Now you try it.



The Anode Department

... continuing Triangle's series on INCO's Port Colborne Refinery.

By Lee Cupp

The anode department at INCO's Port Colborne Refinery serves two purposes: primarily, to make anodes from sinter (NiO) for consumption by the electrolytic refinery, and secondly, to make various nickel products such as shot, ingots and alloys for the market, and castings for plant use.

The department is housed in a building 560 ft. long and 100 ft. wide, located approximately 200 yards northwest of the sinter plant, and directly east of the electrolytic refinery. A depressed standard gauge track runs halfway the length of the building outside the west wall for shipment of nickel products, and anode furnace slag to Copper Cliff.

TWO MAIN AISLES

The building is divided into two main aisles. One aisle contains the furnaces, charging, skimming, casting and tapping equipment, slag crusher, casting wheel, waste heat boilers and two 20-ton overhead cranes. The floor aisle is planned to handle production and has a narrow gauge track, two platform scales, slag hopper, brick mill, clay bins, and water tank for cooling anodes by quenching. This aisle also provides a storage space for the cast iron anode mould buggies.

There are eight furnaces of the following capacities, one 100-ton, four 85-ton, two 50-ton and one 5-ton oil fired, open hearth, reverberatory type; each is equipped with a waste heat boiler with the exception of the 5-ton furnace. The furnaces are located in line down the length of the building on the east side.

IN A HOT SPOT

A furnace is about the size of a five-room bungalow and with a hearth area of 450-500 sq. ft. It is supported by brick piers to give good bottom cooling. The brick hearth, 20 inches thick, is carried on cast iron floor plates placed on I beams mounted on the piers. The roof is made of brick capable of withstanding a temperature of about 3000° F. This roof is carried by side walls twice as thick as any ordinary house wall, the former in the shape of an arch held by cast iron skewbacks resting on the sidewalls. The

thrust of the arch is taken up by vertical beams called buckstays, and tie-rods suspended across the width of the furnace above the roof.

Bricks for the construction of the furnace are of various types, each selected to give

the best service under the extreme high temperature, and slag and metal attack.

FED FROM HOPPERS

Steel hoppers are mounted on the top of each furnace to hold the charge before it is dropped into the furnace through openings in the furnace roof. The openings are water-cooled cast iron blocks set into the roof and secured to the hopper platform by tie-rods.

Heat is supplied by the burning of oil atomized under pressure from five Maxon burners placed at the front end of the furnace. Each furnace consumes enough oil in one day to heat a twelve-room house for the winter.

ANODE PRODUCTION

The operation is a "batch" one. The cycle consists of charging, reducing and melting periods, after which the metal is completely



Fuelling Furnaces

1 Oil atomized under pressure from five Maxon burners is the feed to the anode furnaces at INCO's Port Colborne Refinery, and the front or fuelling end of a furnace is seen in this photograph. A furnace consumes enough oil in one day to heat a 12-room house for the winter.

★ ★ ★

Wrote Article

2 Lee Cupp, author of this second article in the series on operations at INCO's Port Colborne Refinery.

★ ★ ★

Shooting Nickel

3 A spectacular sight to the visitor is the production of F Nickel Shot at Port Colborne. This nickel-silicon alloy is used by the trade to alloy nickel with cast iron. Four streams of the molten alloy are released on a continuous jet of water, and the quickly crystallized pellets drop into the bath from which they are taken to be packed for shipment.

tapped out. This cycle takes from 36 to 40 hours and is divided into the following periods: Charging, 22-24 hours; melting and skimming, 10-12 hours; casting, 4-5 hours. Furnace charges normally consist of sinter, coal and anode scrap.

Crushed sinter, 1/4 inch or less in size, contains approximately 76 per cent. nickel, is delivered in dump cars running on a narrow gauge track from the sinter plant, and is stored in large steel bins at the south end of the building. Crushed coal, which is 20 per cent. of the sinter charge, is also stored here in separate bins.

CHARGE WELL MIXED

Sinter and coal are fed from these bins by rotating disk feeders to a belt conveyor which takes the charge to a rotary mixer, inside of which are revolving paddles or ploughs that thoroughly mix the sinter and coal together. From the mixer the sinter-coal charge discharges into 3-ton buckets and is emptied into the furnace hoppers by overhead cranes.

The furnaces are "center-charged" at intervals of 7-8 hours by opening the bottom slides of the furnace hoppers.

The remainder of the charge is the scrap anodes from the electrolytic refinery. This scrap is the remaining portion of the anode after spending its normal life of 40 days in the electrolytic tanks. The scrap is charged through a narrow rectangular water-cooled cast iron block in the roof, near the back of the furnace.

The coal is added to remove the oxygen from the nickel oxide. During this period there is considerable boiling of the molten metal in the furnace as the gases escape from the bath. As the charge melts down, the slag rises to the top and floats on the surface. This is skimmed off through a door on the side of the furnace into large cast iron slag pots.

When the charge has completely melted, the "pitch" is determined by taking a small spoon sample and quenching it in water. The appearance of this sample indicates whether the metal is ready for casting; that is, a flat set surface, and with a low carbon content.

CASTING OPERATION

Anodes are cast either by pouring the molten metal into copper moulds set on a casting wheel or into cast iron anode moulds mounted on wheels.

A casting wheel contains 28 copper moulds placed on a circular steel plate table, mechanically rotated.

When anodes are being cast, the nickel runs continuously into the pouring drum or ladle which holds about 1,000 pounds of metal. The metal is then poured from the drum into the mould.

When the metal has solidified, the anode is removed from the mould and placed in a rack, which is then taken to the electrolytic refinery where the nickel finally reaches the pure state. The anode weighs 490 lbs. and is 44 inches long 27 1/2 inches wide and 1 1/2 inches thick, containing approximately 96 per cent. nickel.

The anode furnace process has increased the nickel content from 76 per cent. nickel in sinter to 96 per cent. nickel in anodes.

The production of anodes for a month, if laid end to end, would reach from Port Colborne to Buffalo, a distance of 18 3/4 miles.

FINISHED PRODUCTS

Included in this department is the nickel refinery. This department produces the following nickel products and alloys: XX Nickel, A Nickel, F Nickel, Ni-Hard, N.C.C., and Everbrite.

The most important of these is the F metal, which is a nickel-silicon alloy produced in the form of shot or ingot used by the trade to alloy nickel with cast iron.

All of these nickel products and alloys are shipped in 25, 50 and 100 lb. wirebound boxes or in kegs to consumers throughout the world, for the production of stainless steels, corrosion-resistant alloys, heat resistant alloys and other uses too numerous to mention in this short summary.

ORCO Softballers

1 Although the final game had not been played as Triangle went to press, even staunch supporters of the ORCO Office-Lab team conceded their hopeful little hope against Chester Bell's crack Shops aggregation. After coasting into the finals of their inter-department loop, Shops took a fall out of Specs Telford's Smelter squad, Royal Trading League champs, in the knockout contest for the J. W. Gemmell INCO inter-plant softball trophy. Members of the team, left to right, back row: Desilets, 2b; Tupling, 3b; Shoveller, coach; Carter, f; Sadick, 1b; Price, f; Hornby, f; Dickson, f; Ramsay, ss; front row: Currie, c; Boluk, p; McDougall, 3b; Mahon, f. Absent when the photo was taken were Manager Chester Bell and Baird, field.

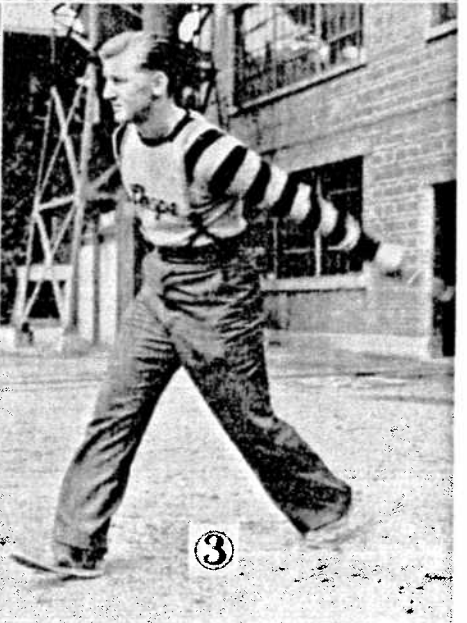
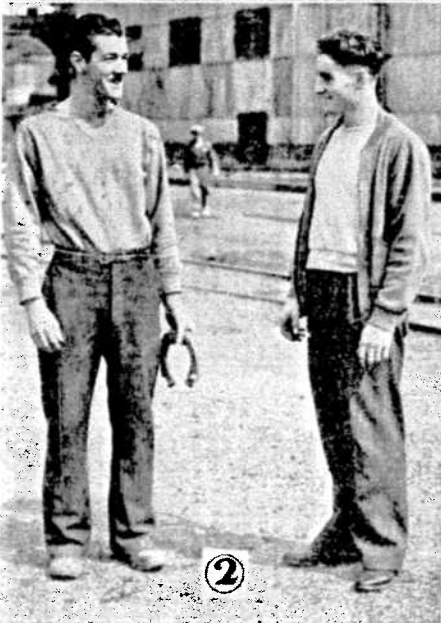
Champ Tossers

2 Hotbed of horseshoe competition in Sudbury district is ORCO, where this time-honored pastime has developed on a basis of well-organized competition into a major

sport. A crowd of 200 watching a noon-hour tussle with the shoes is no unusual sight, as a previous Triangle photo showed. This year the coveted doubles championship was decided only after a long and hard-fought elimination schedule. Messrs. McFarlane, Koth, Hugill and Welblund donated shields for their respective departments, and then the department winners met in the finals at the ORCO picnic on August 7. Finally declared champions and winners of the R. H. Waddington trophy, after some nifty tossing of ringers, were C. Hindson and E. Leclair.

Won Singles

3 About to flip the iron necklace around a peg is Pete Boluk, 17-year-old shark of the horseshoe courts at ORCO, who this year won the J. C. Bischoff trophy for the plant singles championship. At another type of tossing Pete also distinguishes himself. Ace hurler of the Shops softball team, he whiffed no less than 14 batters when his team eliminated Smelters, Royal Trading League champions, in the knockout schedule for the J. W. Gemmell inter-plant trophy.





Ken Demonstrates

1 Grand prize in Copper Cliff Athletic Association's Amateur Contests at Stanley Stadium this summer was an all-expense trip to the Canadian National Exhibition at Toronto, with special entertainment features generously supplied by INCO's Toronto office. One of the most interesting visits the party paid was to the Company's exhibit at the Exhibition, and there they found Ken Clarke, formerly of ORCO, and now a member of the Toronto office staff. Members of the amateur group lined up for the camera as Ken showed them a monel-covered roll used extensively in the pulp paper and textile industries. Left to right there were: Tony Rossi, Copper Cliff; Johnny Davidson, Creighton; "Fonce" McCue, Phyllis Duberry and Adeline Martel, Copper Cliff; Marjorie and Marion Laycock, Frood; Fred Cundari, Copper Cliff.

★ ★ ★

Coniston Reunion

2 Other members of the amateur party at the INCO exhibit staged a Coniston reunion when they met W. A. MacDonell, former superintendent at Coniston and now residing in Toronto, a Company pensioner. Seated beside Mr. MacDonell as he recalled old Coniston days were Margaret Bryce, the little acrobatic dancer, and her mother, and standing behind them were Carmen Bray, Joe Meslinski and Roger Martin. The amateur party whooped it up at luncheons, night clubs and Exhibition sight-seeing, and kept up one continual singsong in the bus to Toronto and back.

★ ★ ★

ORCO Picnic

3 The new INCO picnic grounds at Morrison's farm were the scene of several very successful plant get-togethers this summer, outstanding among which was that staged by ORCO. A full program of field and aquatic events, topped off with plenty of tempting food, made the day a memorable one.

RADIUM DETECTIVE

Hunting a needle in a haystack is child's play compared with finding a radium needle which has been thrown away with a discarded bandage and probably is in the hospital incinerator. But the haystack needle is just a figure of speech, whereas the radium needle is a matter of a great many dollars. Hence it is that a special radium detector has been devised to aid in searching for the tiny platinum needles which contain minute quantities of radium used in modern therapy. This detector works on the same principle as the "hot and cold" parlor game, for it is a portable machine so sensitive that it sets up a ticking sound when in the vicinity of the lost substance, ticking louder and faster the closer the radium is approached. Even if it ticks its way to the incinerator's ashes, the radium will be found to be unimpaired, as platinum needles come through the normal incinerator fire without melting.

IN SEAGRAM GOLF

High class golf featured the annual Seagram invitation tournament at Sudbury Golf Club this summer, and INCO men did well in competition with the cream of the North's crop. Bud LaBranche, of Frood, who was runner-up to Roy Herne in the Sudbury Golf Club championship, placed fifth in the Seagram championship flight, nine strokes behind the winner, and Pete Nazar, of ORCO, was 11th in the same flight. Bob McAndrew, of Frood, was fifth in the first flight, seven strokes behind the winner; Art Silver, of Creighton, was second in the second flight. Others entered were: P. Pidutti, Creighton; Charlie Price, Frood; Cooney Wood, ORCO; Eddie LeBlanc, Copper Cliff; Bill Regar; Creighton.



Young Canada

1 The kids had a great time of it at Frood Welfare Association's annual field day at Athletic Park. Jim Kilby, on the left, and Ted Dandy and Paul Koster, on the right, are shown mustering the youthful legion for their program of races.

★ ★ ★

Bingo Shark

2 Dave Hamilton, well-known Frood centre half, may be a crowd-pleaser on the football field, but he's a wife-pleaser on the bingo board. Mrs. Hamilton is obviously not one bit disappointed with the nifty reading lamp Dave picked off at the Frood field day, and the brawny Scot is not exactly crying himself.

★ ★ ★

"Under the B!"

3 Two more interested bingo-ists were Mr. and Mrs. Foster Todd, who got tipped off to the presence of the camera and weren't caught in a candid shot. Foster recently transferred from his post as Frood safety engineer, and is now captain on 3100 level.

★ ★ ★

Javelin Expert

4 Big winner in the field events at the Frood meet was the veteran George Walla, who refuses to let a few little things like years keep him from a spot in the spotlight. Always in the pink of condition, he is usually regarded as a cinch for first place in the contests he enters.

★ ★ ★

"Step Right Up!"

5 "Hit the nigger in the eye and you get a nice big fat ceegar!" yelled the concession operator, and this Creighton miner apparently was making up his mind it was time for a stogey. The big crowd gave the Frood field meet's midway a strong play, and the event went down in the Welfare's books well on the right side of the ledger.

DAN MISSES ONE

For the first time in 40 years, Dan Close had to acknowledge defeat this fall. When the famed Frood tug-o-war coach took his band of huskies to the Exhibition of Toronto, the Dearborn Police team won two out of three pulls in the final match against Frood, and took the championship despite Dan's frantic exhortations to his men. Vowing that the style of footwear worn by the Dearborn men was the deciding factor, Dan promises it will be a different story next year. Frood Welfare sent the team to Toronto, with E. Dickie as chaperon. This was the lineup: Louis Gorc, S. Krullkositi, E. Sakkonen, L. Hovat, A. Beres, M. Howard, T. Marshall, Charlie Much, T. Shea.

DIDONE A DISCOVERY

Copper Cliff's senior ball club may not have been a standout in its class this summer, but in other baseball age groups the smelter town has rung the bell loudly and long.

At this writing the Cliff junior team is one game ahead in a series with North Bay for the Northern Ontario championship, after taking Kirkland Lake two straight without any difficulty. Didone to Paquette is the number one battery of the lineup, and senior team scouts are giving plenty of attention to this boy Didone. Only 17 years old, he has pitched 15 games this season to date without a loss, three in junior and 12 in juvenile company. Moreover, his record includes one no-hit no-run game, one in which he allowed only one hit, one in which he gave but two hits, and one with just three hits.



Nickel...and Its Uses

FISH—CAUGHT OR BOUGHT

Nickel proves itself seaworthy and modernizes the world's fishing industry

Fish for dinner? Caught or bought, it may well be that nickel has played a part in getting the tasty fellow out of the sea or stream and onto your platter.

There are several ways in which nickel and the nickel alloys are being used in commercial, as well as in sports fishing, for modern methods are being rapidly adopted by the industry. Within the last two years, fleets of streamlined trawlers have been built and put into service along the North Atlantic seaboard. So revolutionary in design are the vessels that they are setting new standards for the entire industry. One of the most important of their many new features is the pure nickel-clad steel holds in which the fish are stored and brought to shore. The nickel lining in these holds provides a smooth, unbroken inner shell of corrosion-resistant, rust-proof metal, easily cleaned against harboring bacteria so damaging to fish. Equipped with modern methods of refrigeration and faster and more efficient than their predecessors, the new trawlers are bringing fresher fish to market and eliminating the high percentage of inferior grades caused by spoilage during the hot summer months.

BIG FORWARD STEP

Fishing authorities consider the nickel holds "the longest step forward in the world's fishing industry for more than a quarter of a century." The new holds come as a supplemental development to monel-lined wooden holds which have been in use in the old-type trawlers for several years on the East and West coasts as well as abroad. The nickel-clad steel used in their construction consists of a layer of solid nickel rolled on a heavier layer of carbon steel in such a fashion as to form a permanent bond that can be destroyed only by grinding.

This is not nickel's only use in the modern trawlers, however. The Diesel engines which supply the power for many of the new vessels use from 1 per cent. to 5 per cent. nickel for the important parts of the main and auxiliary units, so it can be truly said that, in the modern trawlers, nickel not only keeps the catch fresh, but also helps in bringing it to port.

Another branch of the fishing industry into which nickel has been called is oyster packing. An important step in this process is the oyster bath, the "bath tubs" being monel pots in which, after having been shucked, the shell fish are thoroughly washed by agitating the water. Monel is used for the pots as well as for the skimming and sorting apparatus because, being corrosion-resistant and immune to chemical action, the metal is a safeguard against contamination of the oysters by rust and other impurities.

Far from our shores in the tiny Norwegian village of Balstead we find monel being used again—this time by cod fishermen. It is the fish oil, not the actual fish, that brings monel here; for the village is one of Europe's most important sources for cod liver oil. Situated in the Lofoten Islands, 100 miles north of the Arctic Circle, the fishing season is of only three months' duration, so the fishermen use monel for their equipment which must remain idle for the other nine months of the year in that highly corrosive atmosphere.

Back on this side of the Atlantic again we take a look at the crabbing industry. Here we find crab traps being built of monel wire in order to safeguard them against rusting in salt water. And so it goes in commercial fishing, nickel proving itself to be

one of the most sea-going of all metals.

EXIT OLD ALIBI

But let's go fishing for fun. It's no fun to get a big one on the hook only to lose him because of a broken line. Monel trolling wire has become a standard item of fishing tackle, threatening to make the broken line a thing of the past, even as an alibi. It has been said that monel fishing wire will revolutionize summer salmon trout fishing, heretofore unpopular, since the fish lie deep down in the water at this time and ordinary wire is not strong enough to stand the strain of the heavy tackle and weights which must be used. Monel line is difficult to kink; if it does kink, it will not break as other wires do. It is flexible, strong as steel, ageless, rustless, cannot rot and needs no care in either fresh or salt water. These same characteristics also prove valuable in making leaders and snelled hooks of monel for sports fishing.

There's still another kind of fishing besides fishing for fun and fishing for a living. This is fishing to study fish. About twelve years ago under a treaty between the United States and Canada an International Fisheries Commission was formed. The purpose of the commission has been to determine the migrations of fish, their rates of growth and other facts of importance to the regulation and reconstruction of national fisheries. A vast amount of research has been carried on by scientific angling parties each year in order to make the study.

Part of the work of the survey fishermen

is to catch and tag various species with monel identification discs, each one keyed to show where and when the catch was made. Monel is used in this work since the identification discs must remain unmarred by corrosion or other effects of long submersion in the salt water and also because the metal has no toxic effect on the fish.

In the study of halibut off the Pacific Coast, a fish was recently caught which carried a monel disc dated 3,582 days, or more than 10 years previously. In another case a halibut was known to have traveled 2,284 miles since it was first captured. In all cases where tagged halibut have been brought to the surface, their monel identification discs with numbers, letters and other marks have been perfectly legible.

And so ends a fish story that is really only the beginning of a fish story—and one that becomes more and more true all the time. Just as modern freezing methods are putting an "R" into the summer months for oysters, nickel and monel are helping establish the entire industry on a scientific, sanitary basis whereby "Winter Fish" are becoming available the whole year round.

PROUD RECORD

Leaving to enrol at Queen's University, Lieutenant Richard L. Coleman looks back on a proud record with Copper Cliff Highland Cadet Corps. Starting in the ranks when he was 12, he was promoted steadily until he reached the rank of second-in-command of the Corps. He handled the unit for part of the Highlanders' 20th annual inspection last June.

LADIES' TOURNEY

Final tournament of the season for lady members of Idylwyld Golf and Country Club was a 54-hole event, in which the first flight was won by Mrs. J. W. Gemmell with a net of 258. Mrs. J. S. Pass captured second-flight honors with a net of 279.



You'd think the last thing a fish would need would be a bath, but before oysters are packed they have to undergo a real "Saturday Night-er." These big Monel bath-tubs are used because the Monel is immune to chemical action and corrosion, and safeguards the oysters from contamination by rust and other impurities.

Hit Tough Luck

1 Winners of Nickel Belt senior softball honors this season after a tough schedule in which they had to go their best to trim Builders, who came from behind in a blazing winning streak which they threatened to continue right through to the loop championship, Copper Cliff have run into very tough luck on the eve of their bid for provincial laurels. A classy, well-balanced lineup, they looked like a real bet for the Ontario title until three of their four hurlers in the past few days became casualties. The boys are hoping hard that Lady Luck will give them a break in time for their big campaign. Here's the group: left to right, back row, Jim Davidson, Nels Devana, Don Hanning, Lefty Beckett, Bill Dopson, manager; second row, Bill Johnson, Mel Edwards, Percy Switch, Jimmy Jones, Bill Thornton, C. Buck; front row, Weery, Borden Henry, Red Duberry, Stroud.

★ ★ ★

Gashouse Gang

2 Nate Crawford's "Gashouse Gang" from Copper Cliff, under the able coaching of "Specs" Telford, won the Royal Trading League softball championship this summer, thus picking off for their smelter mates honors similar to those acquired last winter by the J.M.C. "Combines," who copped C.C. Shift Hockey League laurels. Besides their league schedule and a couple of successful excursions to North Bay, the Gashouse Gang are at writing putting up a strong bid for the Fowler Trophy, in a series with the Copper Cliff senior team, Nickel Belt champs. Photo shows them with a group of their admirers.

★ ★ ★

Midgets Go Big

3 Copper Cliff Athletic Association scored a home run with the bases loaded this summer when it commissioned Gordon Alcott (nickel reverbs) to organize midget baseball among the town's future diamond stars. Gordon lined up 40 boys in three teams, Americans, Nationals and Internationals. They soon sported uniforms, each lad adopting the name of a big league player, and the brand of ball they dished up in their league schedule soon acquired zip and polish which surprised everybody except the boys themselves. Big event of the season was a trip to Georgetown, Gordon's home bailiwick, where the Cliff midgets covered themselves with glory by overcoming an eight-run deficit and forging ahead to win 14-13 in 10 innings. An all-star team of 14 made the trip, was royally entertained in Georgetown, and did the rounds of the Exhibition at Toronto. When Mayor Collins, of Copper Cliff, wrote Mayor Gibbons, of Georgetown, to thank him for the hospitality he and his good burgesses accorded their visitors, Mayor Gibbons replied: "It is my desire to congratulate you and the citizens of Copper Cliff for the interest you are taking in the athletic youth of your community. It is pleasing to know that in the section of Northern Ontario where the development of the natural resources is so essential, you do not forget the importance of the development of the minds and bodies of the youth of this great province in the interest of good clean sport and good sportsmanship. The members of your midget ball team, I assure you, while visiting here, were a credit to the town in which they live, a credit to their manager, Mr. Gordon Alcott, a credit to their parents and to themselves. All the citizens of Georgetown join with me in asking you to please accept our best wishes for the future happiness and prosperity for the people of the town of Copper Cliff." Pardonably proud of his achievement, Organizer Alcott is now working on a "little Stanley Cup" hockey series for Ontario.



Tennis Aces

1 About to crash his cannonball service into a Creighton opponent's court is Bert Simms, a tower of strength on the Copper Cliff lineup in this year's Nickel Belt tennis loop. As formidable at tennis as he is at badminton, Simms has been a prominent racqueteer for the Cliff.

2 Taking care not to get his neck in the way of Simms' service, but nonetheless more than ready to handle the opposition's return of service is George Collins, flashy Cliff tennis ace, who this summer put in one of his best seasons on the courts.

3 When his partner, Vern Tupling, sprained an ankle in the final matches of the league, Gar Green, of Creighton, former Queen's University champion, played inspired tennis and was a big factor in his team's triumph. He mixes plenty of canny court strategy with his powerful stroking.

4 Acknowledged tennis peer of the Nickel Belt is Creighton's Vern Tupling, whose coolness under fire is as conspicuous on the courts as it is in the hockey arena when a dangerous passing play closes in on him at defence.

★ ★ ★

Creighton Wins

5 By a score of three matches to two, Creighton tennis team defeated Copper Cliff in the Nickel Belt League finals this year to lift the new Hiram Walker trophy. Last and deciding event of the afternoon was the men's doubles tussle between Simms and Collins of the Cliff, and Tupling and Green of Creighton, the latter finishing strong to triumph 4-6, 6-1, 6-2. Interest was keen in the matches, and a large gallery turned out. The two teams: Back row, left to right, Green, C; Collins, CC; Simms, CC; Cerre, C; Tupling, C; centre row, Pascoe, C; Flynn, CC; Young, CC; front row; Margaret Gareau (now Mrs. Norma Gegear) CC; Reta Price, CC; Mrs. Mel Davies, C.; Jean Dingwall, C.

★ ★ ★

Click in Draw

6 Two men from 2600 level and one from 2800 clicked in the July Divisional Safety draw at Frood, in which all the men working on the division which turns in the month's best accident record get a chance in a \$50.00 pool. First prize winner was Melville DeConkey, right, timberman on 2800, who received \$25.00; the \$15.00 second award went to Clarence Jamieson, level timberman on 2600, and the camera found them together after the draw, plotting what might be done with those crispy greenbacks. J. Veegrnicek, 2600 driller, who won the third prize, was absent when the draw was made.

HARROWING EXPERIENCE

Her husband working afternoon shift at the Frood, Mrs. H. Burmaster, of Sudbury, had a harrowing experience when she was awakened shortly after 1.00 a.m. as a prowler who had broken into her home shook her by the shoulder and threatened her with the words, "Lie still—if you value your life." Screaming to arouse her neighbors, Mrs. Burmaster fled from the house. The prowler disappeared, and the meagre description available of him made his detection impossible.

INCOITES ON THE AIR

A Sudbury "street scene," broadcast over the Dominion-wide hookup of the Canadian Broadcasting Corporation, put two INCOites in the national limelight. Picking bystanders at random from the crowd for spot interviews before the microphone, the announcer drew Ted Foster, of ORCO, and Jimmy Duncan, of Copper Cliff. Each described briefly but interestingly the operation at the plant in which he works.

