

Within The

INCO TRIANGLE

VOLUME 2

JUNE, 1938

NUMBER 5

DATES FIXED FOR CONTESTS

With the co-operation of the Welfare Associations at the various plants, INCO Amateur Nights will once again "go on the air" this summer. Copper Cliff Athletic Association, sponsors of the event, have the assurance of the Welfare groups that there is a wealth of new talent available for a series of programs, and that interest is already keen in the contests.

Dates of the Amateur Nights will be Monday evenings, July 11, 18 and 25, and August 1, 8 and 15. On August 22, the final contest will be staged, in which the three winning numbers at each of the other Nights will compete for the grand prize of an all-expense trip to the Canadian National Exhibition, with special entertainment in Toronto by Canadian Nickel Sales, Limited. The nine best numbers will be awarded the grand prize trip.

FIFTY-FIFTY AWARDS

Awards at all the contests will be made on the basis of 50 per cent. talent and 50 per cent. popularity, the latter to be determined by the amount of applause each contestant receives from the audience.

All employees of the International Nickel Company, or members of their immediate families, are eligible to take part in the Amateur Nights, with the exception of those who have won out in the two previous final contests. There is no entry fee, and entries stating name, age, etc., should be made either to the Secretary of the Welfare Association at the plant where the entrant is employed, or direct to "INCO Amateur Nights, Copper Cliff."

The microphone and loud-speaker equipment will be set up in Stanley Stadium for the events as usual, and the Coniston Band has again been engaged to play for each concert of the series. Special guest artists will be featured.

WEEKLY PRIZES

At each of the weekly contests three prizes will be awarded: a \$5.00 credit coupon to the best adult; a \$3.00 credit coupon to the best girl or boy of from 10 to 16 years; a \$2.00 credit coupon to the best child under 10 years. In the event of there being no competitors in any one of these three classes on any program, the prize will be awarded to the second best performer in the class with the most entries. Copper Cliff merchants have generously donated the prizes for the elimination contests. Cochrane-Dunlop Hardware has given a \$70.00 RCA Victor radio as a door prize for the final contest on August 22 and there will be an admission charge of 25 cents that evening. No admission charge will be made for any of the other contests.

In sponsoring the Amateur Nights, Copper Cliff Athletic Association hopes that they will equal the success of the two previous contests in encouraging INCO talent and providing enjoyable summertime entertainment.



The shift was being changed when Dr. Allan Roy Dafee visited Frood mine one day recently, and he enjoyed the opportunity of chatting for a few minutes with some of the lads just up from underground. They want to have it clearly understood, however, that they were discussing with him only general topics like the weather and the price of oats, and were not negotiating with him to act in the same capacity as that which made him famous at Callander four years ago. Dr. Dafee and his party, which included several of the Hollywood movie executives now turning out another picture of the quint, also visited the smelter and the refinery, and were keenly interested in the processes.

High Time At Welfare Smoker

Creighton: Rising to new heights in the way of entertainment, the third Creighton Welfare Smoker was dished up to a capacity house at Lake St. Hall. Prefaced by a few remarks by President Tom Starkey, the big evening was on. A special welcome and permanent invitation to Welfare events was tendered to Joe and Angus McDonald, popular Creightonites of past years.

Maestro Johnny Davidson led in a hearty sing-song, to the delight of the house.

BRAIN-TWISTERS

After hoarse throats were soothed by cigarettes and cigars "on the house," events went intellectual. A "true-false" test seemed to tax many a mind, while Johnny Davidson was endeavoring to find a "hard one."

Fitting relief came to all with the announcement of the fight program. In the opener, Bill Anderson and Oliver Road tested each other in a three-rounder. Pete Cain and Gene Donnelly started out on a scheduled three-rounder, but the fireworks were spent at the end of the second. Bud

and Stan Delabbio tried to settle a family feud and gave a smart exhibition of the pugilistic art. Buddy Nelson and Kid Ferguson put on a pleasing display in the fourth bout. Jackie Harrison had to go all the way to cope with the rugged Panco Delabbio.

RED-HOT MAIN BOUT

The final boxing event on the card had action galore and kept the fans in a frenzy. Matt Brady's sweeping haymaker, failing to clip the protruding, inviting chin of Geo. Smith, left the colorful Irishman tangled up on more than one occasion.

The first bout of the wrestling card brought Marty Quinn and Nick Choma together in a masterful display of mat tactics. Quick to clamp on a hold, elusive in slipping to freedom, both contestants showed themselves the real champions they are. In the wind-up bout of the night, Al Griffin and big Mike Howard duplicated the main fight event. Al, the showman, rose to heights when he clamped a hold on Referee Art Huson. However, the irrepressible Arthur, a veteran of the mat game himself, was quick in gaining his freedom.

Fans left the hall praising the battlers, officials and everything about the program. Special credit should go to Archie Wilkie, the Joe Jacobs of the Gym Club. It was a swell evening all around.

When A. B. Yates and Dr. R. B. Robinson, of Copper Cliff, drew R. T. McAndrew and N. H. Wadge, of Frood, at the first table in the final night's play in the INCO Inter-Plant Bridge Tourney at Memorial Community Hall, every point was valuable.

Although they had no way of knowing it, these two couples were to be within a comparatively few points of each other in the race for Community Hall's special trophy to the pair rolling up the highest aggregate of the three-night series. McAndrew (second from the left) and Wadge (right) were the winners after an evening of nip-and-tuck play.



Smelter Team Wins Collins Cup

Copper Cliff: Staving off a strong challenge from the Copper Cliff ladies' team captained by Mrs. T. D. Price, the Smelter lineup trumped and finessed their way to triumph in the third semi-annual INCO inter-plant bridge tournament at Memorial Community Hall.

Mayor E. A. Collins presented his Rose Bowl trophy to R. C. M. Pelletier, captain of the victorious team, of which the members were: Bell and Beckett, Scammel and Burke, Borland and Sproule, McGill and Pelletier, Wulff and Ripley, Yates and Robinson.

AGGREGATED 87,550

An aggregate of 87,550 for the three nights of play gave Smelter the championship. Some 1800 points ahead as the last night's games commenced, the ultimate champions got away to a poor start and were quickly overhauled by both Copper Cliff ladies and Refinery No. 1. The ladies kept up a winning stride, but Refinery fell off the pace. Smelter, in the meantime, got bids and cross-ruffs clicking and finished with a margin of 1840 points over Mrs. Price's players.

Final standing: Smelter, 87,550; Copper Cliff Ladies, 85,710; Refinery No. 1, 78,700; Refinery No. 2, 74,260; Copper Cliff Office, 72,980; Ramblers, 70,110; Frood No. 2, 67,970; Creighton No. 1, 66,550; Outlaws, 65,260; Creighton No. 2, 60,510; Frood No. 1, 36,790.

NEW CUPS AWARDED

After heading the scoring on the first two evenings of play, Waterbury and Buck, of Copper Cliff Office, got the cold shoulder from Lady Luck in the race for Community Hall's special award to the couple marking up the highest aggregate in the series. This feature developed into a race between McAndrew and Wadge, of Frood No. 2, and Yates and Robinson, of Smelter. Trailing by only 750 points when they sat down to the final table, Yates and Robinson had a golden opportunity when McAndrew and Wadge could collect only a meagre 300 to add to their total. The Copper Cliff pair picked up equally indifferent cards, however, scored just 480, and conceded victory to the Frood experts. McAndrew and Wadge had an aggregate of 21,170 for the three evenings.

J. C. Bischoff Heads New ORCO A.A. Slate

ORCO: Athletic Association elections for 1938, recently held, returned the following slate of officers for the year:

Hon. chairman, F. Benard, R. H. Waddington; chairman, J. C. Bischoff; vice-chairman, A. Welblund; secretary-treasurer, D. Wilson; representative: Staff, R. H. Waddington, A. Welblund, J. C. Bischoff, F. Sheridan; office, J. Crawford; laboratory, G. Furchner; mechanical, H. Kurtz; casting, G. Penner; yard, H. Shoveller; silver refinery, C. Marshall; tank house, D. Wilson; power, H. Read; ORCO Security Association, E. Fosten, J. Harrison, H. Nelson.

LEVACK WELFARE OFFICERS

Levack: With a large attendance that promised bigger and better activities throughout 1938, Levack Welfare Association elected its officers for the year as follows:

President, Frank Johnstone; vice-president, Elmer Werry; secretary, Hugh Kante; treasurer, Duke Wilkinson; directors, Frank Hurst, Roy Anderson, Guy Armstrong, Pete Mallette, Bob Locke.



Inter-department horseshoe competitions hold the spotlight many months of the year at ORCO, and the noon interval always finds a big audience on hand at the courts to watch games in progress. Top photo shows a typical noonday scene, with "Punch" McDougall about to pitch a ringer. In the lower picture the Triangle camera caught some of the ORCO Athletic Association committee chairmen chatting over summer sports activities and checking up on their silverware stock. Left to right, seated, J. Crawford, Nickel Belt softball, and Al Welblund, outside activities; standing, G. Penner, golf; H. Nelson, horseshoes; Charlie Marshall, plant softball.



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

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

VOL. 2, No. 5

JUNE, 1938

DANGER TIME

Like the bridge player who has scored the first game on rubber, employees of INCO's Mining and Smelting Division are now "vulnerable." They have scored notable improvements so far this year in the prevention of accidents, but with the approach of the midsummer season their real testing time is at hand.

Every employee with his own welfare and that of his fellow worker at heart, should study the chart on Page 16 of this issue of Triangle. In the top half of the layout is a most interesting and informative picture of the trend of accidents month by month and season by season for the past seven years. It is readily seen how the average number of accidents for each 1,000 shifts worked seems to jump out of all proportion in July.

It seems that the unusual heat of the summer months breeds a laxity among workers, and leaves them much more vulnerable to accident hazards than they are at any other time of the year.

In four of the five months recorded to date in 1938, the Mining and Smelting Division has bettered the accident-frequency mark for the corresponding period of 1937. When it is recalled that 1937 was the best Safety year in INCO history, despite the large increase in the number of men employed, the significance of these improvements is really appreciated.

All employees, those in supervisory capacity, and members of the Safety force are to be warmly congratulated on this excellent showing, and the co-operation which has made it possible. But is it to be marred by the midsummer doldrums?

It is INCO policy that every man's job be as safe as ingenuity and regulations can make it. But no company policy can control the human factor. Only the employee can do that.

Let every man, this July, increase his vigilance, instead of falling prey to the seasonal laxity which has taken such an increased accident toll in other years, and he will be amply repaid in the health and happiness of himself and those who work beside him.



Frood tug-o-war team successfully defended its championship against Garson and Copper Cliff on Victoria Day, with huskies like Leo Gore heaving on the hemp. Leo's facial expression may have been due purely to the strain of the moment, although it is possible that, as the contest was nearing an end and he had burned up plenty of carbohydrates yanking away at the stubborn and hefty opposition, his agonized look may have been prompted by a longing for something along the line that Miss Isabel McKay is dishing up at the popular new employees' cafeteria at Copper Cliff smelter.

the CANDID CAMERA



E. A. Collins

The sun was dropping behind Beaver Meadow, and the crows, after a stopover at Tyner's, were cawing their way towards Crichton. Evening was descending over Copper Cliff, and Fred Collins sighed with satisfaction at the peace and quiet of the scene he surveyed from his chair on an old Main Street verandah. When Police Chief Arthur Storie came by and guilelessly suggested they take a little walk, even the intuition with which Fred was forced to guard himself day and night against the deep-laid designs of that artful village prankster had been lulled to rest, and innocently he fell into step beside the limb of the law.

Before they had gone two blocks, he realized he was in for a good deal more



than a peaceful stroll. Down the street a crowd had gathered around two celebrating citizens who, having come to disagreement on a major issue, were wildly brandishing knives at each other. The chief had received a riot call, but had neglected to mention it to his friend.

"I'll need help," said the chief.

"I'll be getting back to the verandah," said his companion, with elaborate nonchalance.

SURPRISE! SURPRISE!

The chief clapped a heavy hand on Fred Collins' shoulder. "In the name of the law," quoth he, "take charge of these men while I go to get the Black Maria." Whereupon he waded into the fight, separated the combatants, placed one on either side of his freshly conscripted deputy, and departed thence.

Big fellows they were, and they seemed to be growing bigger every minute as Fred Collins summoned his fiercest look and glared up at one and then the other. Still brandishing the cutlery with which they had been trying to manœuvre each other, they muttered and growled like two giant

maastiffs. The crowd retreated to a respectful distance and awaited results. It looked as if the carnage might burst forth anew any second, with a triple slaughter in prospect instead of just a dual affair.

Despite a frantic quavering which began in his heart and spread slowly to his knees, and a fervent wish that he had never abandoned his gentle verandah siesta, Fred Collins stood his ground. At least they couldn't stab him in the back. When the chief returned half an hour later with the two-seater and team of bronchos which served the town as a police patrol wagon, his deputy was still on duty, holding his prisoners in subjection with a hypnotic glare that in no way revealed the tumult of emotion still raging in the breast of their captor.

IT WAS GOOD TRAINING

Such was the school from which E. A. Collins graduated in Copper Cliff's early days. At any hour, unless his wits were about him, a man might be plunged into a situation from which he was lucky to escape with his scalp, never mind his dignity. Practical joking was one of the fine arts, and a sense of humour was a vigorous and often fearful thing. Perhaps that is why today he is regarded as a master of situations, quick and subtle in his way of bridging unexpected moments or embarrassing turns of events.

E. A. Collins was born on a farm near Smithfield, in Northumberland County, on January 19, 1879. His father came from Ireland; his mother was of United Empire Loyalist stock; there were 12 in the family, and of the nine sons all but three took up railroading at some time or other in their lives.

He attended public school at Smithfield, and high school at Brighton, and he picked apples on his father's farm for 75 cents a day plus all he could eat, which some days was a lot of apples. After graduating from Model School at Madoc, he taught school for a year in Hastings County, but his \$350 annual stipend didn't measure up so well with what the railways were paying, so he laid down the rod and took up the rule, joining a survey party on the Grand Trunk.

KNEW S. J. RITCHIE

S. J. Ritchie, legendary figure in nickel industry history, was at that time attempting to exploit the Hastings County iron ore deposits, and the young Fred Collins came in contact with A. P. Turner, who was to become general manager of the Canadian Copper Company which Ritchie launched at Copper Cliff after his iron ore venture had gone agley. Through A. P. Turner the young surveyor got a job at Copper Cliff, and arrived in 1900. He worked as a clerk until October of 1901, at the Copper Cliff Mine and then at the old East Smelter, after which he enrolled in Queen's University.

Each summer during his university training he returned to Copper Cliff to take whatever job was available, and he picked up a wide range of experience. The summer of 1902 he recalls particularly, because he worked a 13-hour night shift at the West Smelter throughout the season. There were 13 small blast furnaces and 200 men to run them, and all he had to do was act as time-keeper, collect the samples, supervise the loading of the matte into the cars, check the cars out, and tear around town rousing the

repair crew when one of the furnaces sprang a leak. Tom Kilpatrick was Smelter superintendent then, James McArthur was general manager, and John Gribble (still going strong) was paymaster.

GOT PROSPECTING BUG

When he graduated from Queen's as a Mining Engineer in 1905, he went to High Falls as clerk on the Canadian Copper Company's hydro-electric development. A prospecting fever swept the North in 1906 and Fred Collins, succumbing, left on a trip to the Cobalt region with some of his pals. The big expedition ended up on the financial rocks, however, and his next post was in a laboratory at Hamilton, testing samples of cobalt-silver ores for a smelter later built at Thorold by the Coniagas people. In January of 1907, he accepted a position as superintendent of mines for the Osceola Lead and Zinc Mining Company, at Joplin, Missouri, and he was there three years.

When he returned to Canada he spent a short time investigating non-metallic deposits in Eastern Ontario for a financial group, and then was appointed an Inspector of Mines for the province, at which post he remained for five years. Very conscientious in the execution of his duties, he let nothing interfere with his inspections, and it was probably only the bonds of a warm friendship that averted a heavy fine when he went his rounds at the smelter in Thorold, of which R. L. Peck was in charge. Noting some defective switches in the plant, Inspector Collins returned at once to Mr. Peck's office. "I'll be back after lunch to inspect your switches," he said. Needless to say, a rush job was put through and the offending switches were in proper condition when the inspector officially saw them.

ZEALOUS PUBLIC SERVANT

Careful of the public purse, he watched his expense accounts closely, and some of his negotiations with the livery stable keepers of Frontenac and Hastings counties were classics in bartering. If transportation arrangements could not economically be made, he would walk. On one occasion he ran a mile along the railroad tracks to catch a handcar, in order that he might keep an appointment at Moose Mountain. Zealous in his work, he was equally attentive to his

active at the dock. Pte. Phillips was only on short leave and has left to rejoin his unit.

An Appreciation

Timmins Advance: Mr. E. A. Collins, who has been Mining Inspector in the North Land since January, 1913, has resigned to take the position of Safety Engineer for the International Nickel Company. He expects to take up his new duties about the fifteenth of this month. Mr. Collins has won a reputation in the North as an efficient, fair and honorable official. Though handicapped by the extent of the territory he had to cover, he gave as general satisfaction as could be hoped for under the circumstances. His interest and effort in the matter of safety work is credited with keeping the number of accidents in mines down to a very low record. In fact, the North Land mines are said to be about as free from accidents as any mines on the continent. Mr. Collins always took great interest in his work and worked for the benefit of the mines and mine-workers of Ontario. The Government as yet has made no announcement as to his successor.

LOAN TOTAL NOW OVER \$600,000

Nl. Nickel Co. District In a Class By Itself—First Per Cent

Clipping from The Sudbury Star files of November 12, 1918.

lative been ing th muss' Dixo pulle. All e act' Dix. tum a see It is of has natu. Some accid claim. Rom him c and to t amb offset Coppe Sudbu exami Th last Sudbu statu direct it has instat



A favorite spare-time haunt of E. A. Collins for many years has been the curling rink, and here he is listening politely, but perhaps with some mental reservations, while vice-skip Jack Garrow explains that the Mechanical Department would have sailed through to victory in the Collins Trophy competition this year even if medics hadn't downed Alex McIntyre for a six-week-end. Skip Jack Thompson, it would appear, quite approves of his Vice's logic.

social contacts, and his prowess with a fork and a heaping plate of spaghetti commanded deep respect.

On November 11, 1918, he returned to Copper Cliff, this time as Safety Engineer for INCO. He had been living in Halleybury prior to that. After a conspicuously successful career as Safety Engineer he was appointed Assistant to the General Manager in 1920.

Distinctions have come often to him. He was President of the Engineering Society in his final year at Queen's, and today he is member of the Board of Trustees and of the Council of his alma mater, as well as Vice-President of the Queen's Alumni Association. He is President of Idylwyde Golf and Country Club and of the Copper Cliff Club. He was elected in March, 1937, a Fellow of the Royal Society of Arts of London, England. He is a member of the Board of Stewards of Copper Cliff United Church. He has been Mayor of Copper Cliff since 1929, and a wise and careful burgomaster he has proven. Canada's mining and metallurgical fraternity this year paid him the highest honor within its gift when he was elected President of their Institute. Donor of the Medal for Bravery awarded annually by the Institute, he has made of the presentation of this "Industrial Victoria Cross" a moment rich in solemnity and respect for the heroism it recognizes.

He was married in November, 1909, at Kingston, to Margaret Maude Walsh, whose death in October of 1935 removed a much beloved character. He has one son, George.

Well known to individuals, organizations and institutions is his ready generosity, which is exceeded only by the modest manner in which he likes to make his gifts.

THE NOISELESS HUNTER

And legion, of course, are the stories of him. About the day, for instance, on which

he and Pete McDonald went hunting partridge up toward Charlie Travers' place near Fairbanks Lake, and they got separated in the bush, Fred Collins taking along a Finn guide and Pete travelling it alone. When they finally met at the camp, Pete had no partridge and Fred had 18 or 19, but Pete swears to this day he never heard a gunshot fired all afternoon! Perhaps Fred used the same hypnotic glare on the partridge that he summoned to subdue the two culprits Chief Storie entrusted to him that peaceful evening.

Or, for another reminiscence, the annual golf struggle between Bill Plaunt and George Miller on one team and Joe Racicot and Fred Collins on the other. For three years this titanic tussle has been waged over Idylwyde's fairways and bunkers. Two years in a row Racicot and Collins were on the winning end and duly collected the wager, a bottle of the best, which Miller and Plaunt bravely produced in the 40-ounce size. Last year the result was reversed. Racicot and Collins paid up with equal fortitude but not in equal volume. They delivered a six-ounce parcel.

To write completely of Fred Collins would fill a book, because into his life is woven a saga of the North, and a fruitful career devoted to helping employer-employee relations keep pace with the march of big industry. A master of the human touch, he has been a very valuable servant of his Company. INCOites, old and young, are proud of their associations with him.

A PACT OF SILENCE

It is doubtful, however, if such a book could be written, because an author would be faced with at least two very formidable obstacles. One of these is the great modesty of the gentleman himself. The other is the co-operation he gets from his cronies of the early days, of which here is a typical example: Seeking material for this article, Triangle wired George R. Craig, at Port Colborne, for reminiscences of E. A. Collins; back promptly came the telegraphed answer.

"I have learned through experience to let sleeping dogs keep on sleeping."

You can't beat a combine like that.

★ ★ ★

Charles Neff

A just explosion wrecked the progress which had been made on the new government elevator at Port Colborne back in 1920 or '21, and reconstruction was under way. One of the gang, despite the advice of his father, who was a steelworker and had urged his son not to follow in the paternal footsteps, was young Charlie Neff.

A 105-FOOT DROP

This day Charlie, with his father and Ned Stephenson, was up on a scaffold high above



a wheat bin. Charlie was helping to move the scaffold forward when the wind caught the plank he was carrying and swung him off into space. As he fell he was lucky enough to hook his arm around a loose projecting plank and quick-thinking Ned Stephenson promptly jumped on the opposite end of it. The concrete hopper bottom of the steel wheat bin yawned 105 feet below Charlie as he crawled back to the scaffold. His father, only a few feet away, breathed again.

That's the closest shave Charles Franklin Neff has had in his life. He does not yearn for a closer one. The incident did not shake his nerve, however, and he continued at steel work as long as the elevator job held out. Ned Stephenson, whose presence of mind saved Charlie from certain death, drifted on to other parts and has not been heard of in years.

ENROLLED AT BLISS

Charlie Neff was born in Port Colborne, June 25, 1899, son of Elery Neff, of Pennsylvania Dutch extraction and United Empire Loyalist stock. He got his schooling in Port Colborne, and after trying his hand at several jobs in the district, went to work in the INCO Refinery electrical department. W. E. Gillespie, now Electrical Superintendent at Copper Cliff, and at that time in a similar capacity at Port Colborne, persuaded Charlie and three other young electricians of his department to enroll in Bliss Electrical School at Tacoma Park, Washington, D.C., from which he himself had graduated. So Neff, Urban Teal, Jimmy Green and Hughie McDonald went to Washington and took the course, a step they've never regretted. All are now members of the Port Colborne electrical staff. Triangle's camera caught Charlie fussing with a switch box in the Electro building, where he handles the electrical maintenance work. It has plenty of variety, calls for study and ingenuity, and keeps him keenly interested all the time.

He was married June 7, 1922, to Helen Berry, of North Pelham. He has been a Welfare representative from his department. His favorite radio performers (please try to understand, Mrs. Neff) are Mae West and Nelson Eddy.

Bowling Winners Decided at "Port"

Port Colborne: The maple-spilling tournament's have all been completed and winners declared.

In the 5 pin Inter-Department tournament, Nipper Wilson's trundlers proved to be the best of them all, winning the new trophy provided by the entry fees of the bowlers and the Recreation Club.

The Stores team won the 5 pin Elimination Tournament and the trophy presented by Harry Ellsworth for the 5 pin championship of the plant without handicap. High team score of 3206 was rolled by Gamey Thompson's Keglers in the Elimination Tournament but they couldn't keep up the pace and lost their second match.

The 10 pin Inter-Department tournament and trophy was won by the Stores team and the Elimination Tournament was won by Ivor Jenkins' Pachuca team. The high team score, 2128, was rolled by Electros.

The mixed 5 pin tournament was won by Mr. and Mrs. Alf. Habel and Mr. and Mrs. Art Gibbs who defeated Mr. and Mrs. J. Emburg and Mr. and Mrs. S. Hardy in the play-off.

High individual games rolled this season were:

Ladies 5 Pins—Mrs. J. Emburg, 272; Mrs. A. Habel, 272.

Men's 5 Pins—J. Fahl, 385.

Men's 10 Pins—H. Patterson, 269.

NICKEL ...AND ITS USES

Nickel Returns to Help The Men Who Mine It

The way in which modern research has made the nickel, which we mine and refine, useful to us in our own work is strikingly demonstrated by one of the uses to which pure nickel and also "Monel" are put "within the INCO triangle." These applications are in the portable batteries and electric cap lamps which were originally installed in Frood four years ago and of which there now are more than 3,300 underground at Frood and Creighton. To those who remember the open gas flames which these lamps have replaced, the change scores a real victory to the credit of nickel.

USE NICKEL FLAKE

Nickel-iron alkaline storage batteries were invented by the late Thomas A. Edison, who spent years before he perfected this method of storing electrical energy for use as power or lighting reserve. The most important component of these batteries is pure nickel flake which is made by plating copper thinly with nickel and then dissolving out the copper. The resultant flake, as light and as sparkling as snow, is tamped in alternate layers with nickel hydrate into perforated steel tubes heavily nickel plated.

These tubes are grouped to form the positive element of the cell, iron forming the negative. The efficiency is such that a battery of three F-2 cells, such as is used for our miners' lamps, stores enough electrical energy to light the lamp for from 10 to 12 hours before recharging. It provides from five to 20 foot-candles of illumination at the centre of the miner's field of vision on his work. Thus these are the first lamps to give the miner as high a standard of illumination on his work as that customarily provided for similar work on surface.

40-DAY SUPPLY

Wherever electrical current is wanted either for lighting purposes or as a prime mover, the Edison nickel-iron storage battery has its important applications, and various groupings of cells are made up to provide batteries with suitable capacity for the job in hand. In contrast to the F-2 cell is the A24H cell, three of which have sufficient capacity to light a miner's lamp for 40 days. As for nickel consumption in the manufacture of these Edison batteries, an F-2 cell contains 0.15 lbs. of the metal, an A24H requires 124 lbs.

Applications are divided between those where portability is the controlling factor, as in the gathering locomotives which we use underground as well as in the industrial trucks used in plants, warehouses and railway and steamship terminals; and those where standby power is the requirement. Illustrative of this latter use, railroads equip their signals with these batteries so they will operate unfailingly during interruptions in the regular current supply; subway trains use them to operate doors, traction motors and emergency lights, and the latest electro-hydraulic steering system for ships employs them for standby power.

IN AIR-CONDITIONING

Another application of growing importance, and therefore of increasing significance as a market for nickel, is in the air-conditioning equipment of railroad coaches which must depend on reserve power when the cars are standing in the stations. The Edison storage battery installation on the Southern Pacific's streamlined train "Day-

light" operates all lights, fans and radio besides the air-conditioning equipment and has a capacity of 400 kilowatt hours.

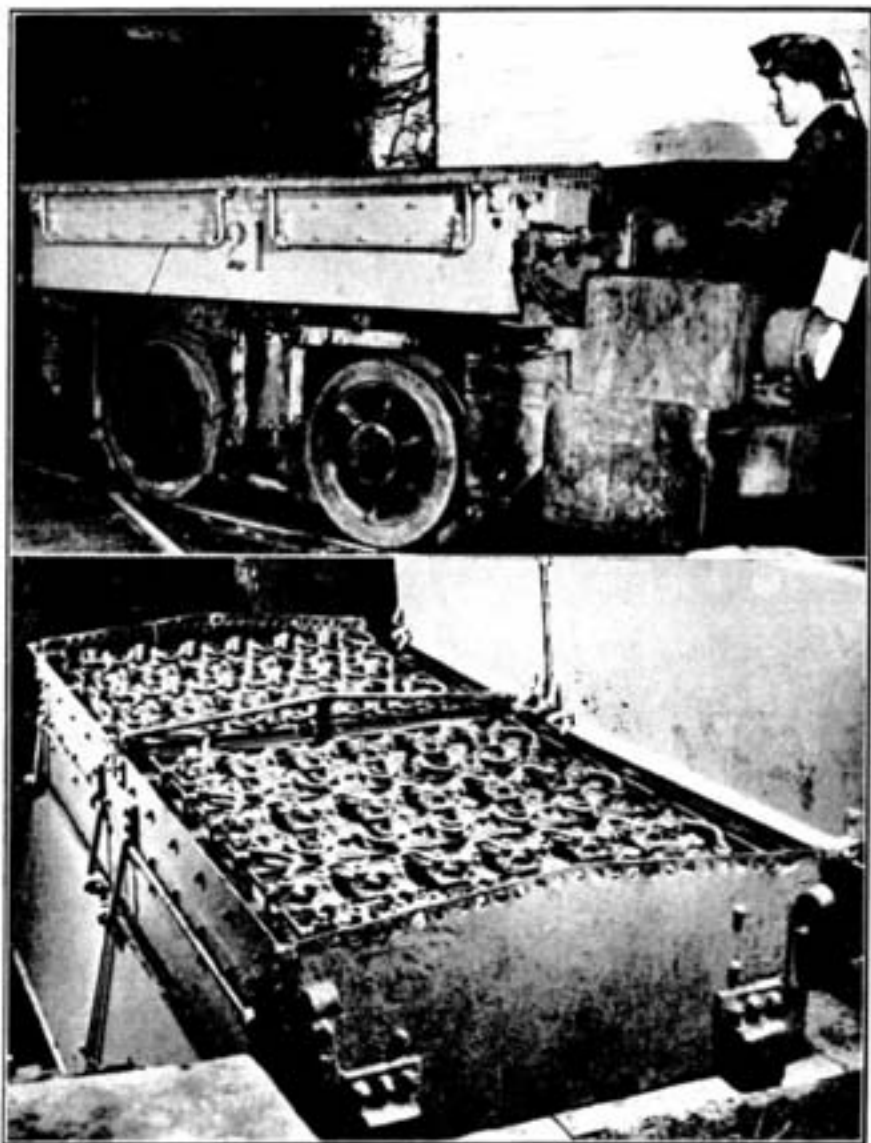
But the development of the miner's portable battery and lamp comes closest home to the INCO organization, because we use it in our daily work. And it is here that "Monel" comes into the picture, too, for the good reason that experience has demonstrated that the only satisfactory container for the portable battery is a case of solid "Monel." Due to the conditions of both corrosion and abrasion encountered in mine work, other materials did not stand up satisfactorily. Thus the mining of the ore in Frood and our other mines has come to depend in part upon the use of two of the most important products of that ore—nickel and "Monel."

PHILLIPS WINS TOURNEY

Port Colborne: Vic. Phillips is the English Billiards Champion of Recreation Club, defeating Geo. Scott in a very close match to wind up the Billiard season.

A Snooker tournament with some 30 entries is under way, the first round having just been completed, and some real sharks have been uncovered and the Billiard room is a beehive of activity these days with the boys all practicing hard for their big match.

A permanent magnet material of nickel-copper-iron has recently been developed, which has all the properties of a permanent magnet combined with machining and fabricating characteristics not hitherto obtained in magnet materials.



As an important feature of Edison storage batteries, nickel returns to its lair to assist in the production of still more nickel for hundreds of uses in the world's commercial and industrial life. In the top photo is seen a typical storage battery locomotive, underground at Frood, used for gathering cars of ore from the drifts and crosscuts in the orebody and hauling them to the tipples or out to the main crosscuts. The battery on the top of the locomotive is an Edison nickel-iron storage battery, as also is the battery in the Monel container which the motorman wears at his side to light his cap lamp. Monel was finally selected for the container after other metals failed to withstand the abrasion and corrosion to which this equipment is subjected. In the lower photo is an Edison nickel-iron storage battery of the A10 type, with covers removed, on a charging rack underground at Frood. This powerful 66-cell battery, which, because of its nickel content, has a life more than twice that of those previously used, is capable of hauling 400 tons of ore in an eight-hour shift. The company has two of these batteries for each of its 41 battery locomotives in daily use.

RAIN FAILS TO MAR 24th

Despite overcast skies, chilly winds, and occasional squalls of rain, Copper Cliff Athletic Association's annual 24th of May celebration went off on schedule and was thoroughly enjoyed by a big crowd.

Floata entered in the parade which got away from the public school shortly after 10.00 p.m., reflected a great deal of credit on the genius and artistry of those responsible for their design and construction. Not to be envied was the task of Mayor John Rudd and E. B. Reid, Sudbury Star executive editor, who made the awards. Among the Welfare Association entries that of Ontario Refining Company was judged best with its clever symbolizing of happy employer-employee relations. The ORCO float got plenty of competition from Frood, Creighton, and Copper Cliff Welfare groups, and the enthusiastic manner in which these four associations entered the contest not only made a success of the parade but also obviously made a splendid impression on the general public.

SPECTACULAR FLOAT

When the Italian Society decides to build a float, parade watchers confidently await something beautiful and spectacular, and this year's creation was certainly no disappointment. A 50-foot zeppelin, propellers whirling and orchestra music emanating from the cozy-looking gondola, brought gasps of admiration from the crowds lining the streets. The stately ship, representing days of hard work and much creative talent, easily won first prize in the general entry class. Second money went to the clever joint effort of Copper Cliff Rangers, Girl Guides, Brownies, Scouts and Cubs, which was also the object of much admiration.

A special prize for the best-conducted school class went to Grades 10 and 11, of whom Miss Speedie and Miss Vary are the teachers.

Races for the school children were run off as usual, with a record entry and plenty of spills as the eager youngsters galloped toward the finish line. Every competitor received a prize.

FROOD RETAIN SHIELD

In the heavy card of field events, which the crowd followed with keen interest, Frood's repeat victory in the tug-o-war was a standout. Surprisingly strong competition from both Garson and Copper Cliff made the Frood huskies pull their best to retain their championship shield. Dan Close was again coach of the victors, and the Frood team, with weights, was as follows:

Leo Gore, 195; George Westley, 206; Leo Horvat, 212; Mike Howard, 220; A. Bervu, 234; C. Prela, 229; S. Krulikositi, 237; E. Sakkonen, 257, and T. Shea, 201.

George Walls, well-known Frood athlete, distinguished himself by taking first prize in three events, javelin, shot put and discus. Copper Cliff's horseshoe tossers staved off several determined challenges, chiefly those from ORCO, and won their event. Best doubles team was G. M. Patterson and G. Shieman, with Ken Caldwell and William Morrison second. Winner of the singles was G. Shieman, who is on the staff of the Research Lab. Sudbury High School's fleet-footed sprinters teamed up to cop both the open and the high school relays.

The unfavorable weather failed to dampen the spirits of Creighton and Copper Cliff ball clubs, who put up a thrilling display for the season's opener. The Cliff club took the 5-4 decision. In the softball match, Copper Cliff rushed home seven runs during a fifth-inning lapse on the part of Falconbridge's twirler, Red McCauley, and won the verdict 15-6.



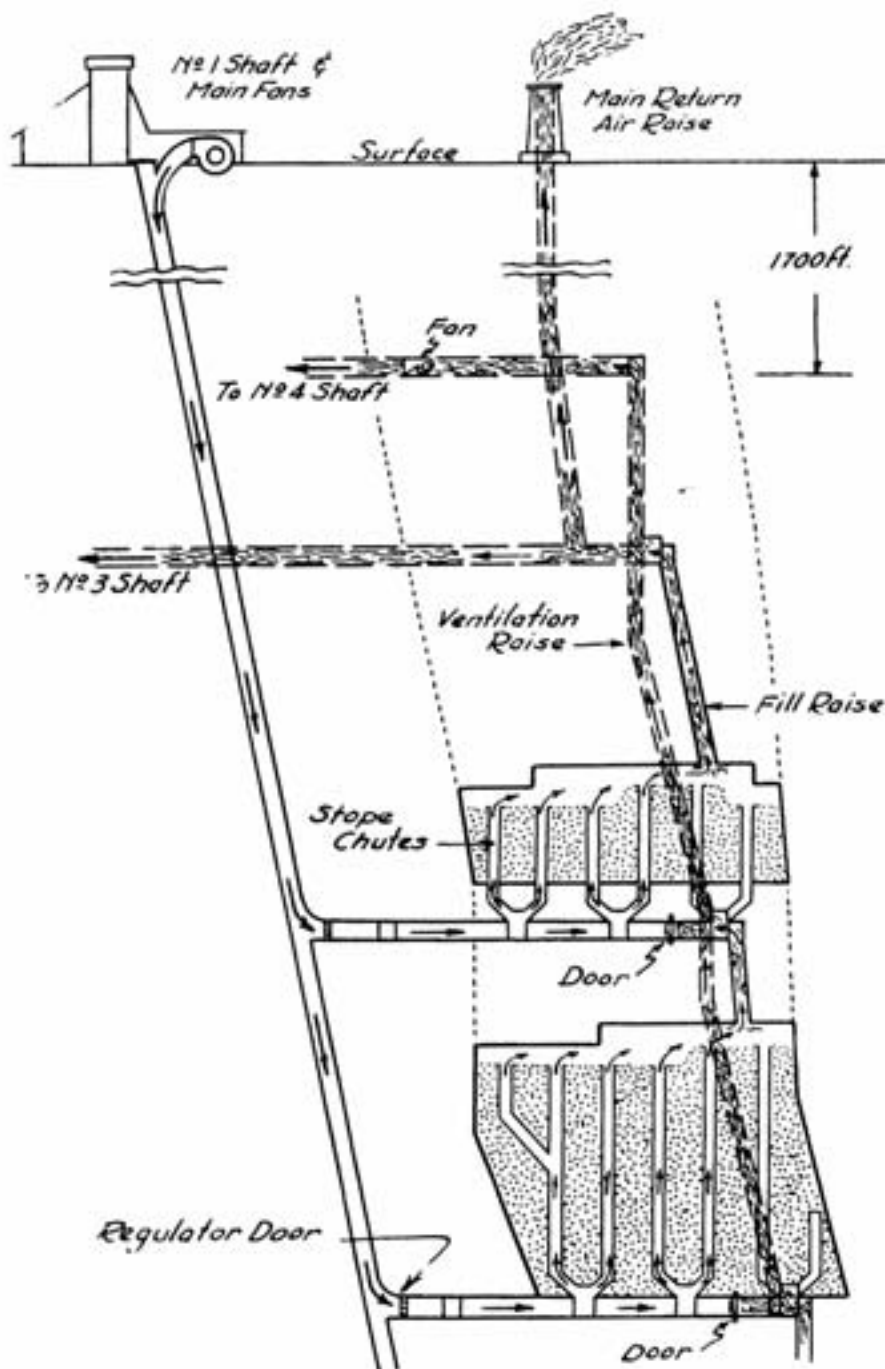
At C.C.A.A.'s annual 24th of May celebration, the prize-winning general entry float in the parade was the Italian Society's 50-foot zeppelin (top) which was being carefully inspected by a group of admirers when the photo was taken. Centre is the beautiful ORCO Employees Security Association float, which won the Welfare Association group. In the lower picture Hal Dewey, Creighton newcomer, is taking the cut at the apple which broke up the baseball game between Creighton and Copper Cliff. The Cliff was leading 5-4, but Creighton had the sacks loaded, there were two out, and there were two strikes on the batter. Pitcher Bruno Taus uncorked his fast one, and the caniers clicked as Dewey went down swinging. The catcher is Herb Dupuis.



Frood Mine Ventilation

By E. P. REED
Ventilation Engineer

Path of Mine Air Currents



Of the utmost importance in modern mining practice is an efficient system of mine ventilation, and this detail is, of course, given careful attention at INCO mines. A description of the ventilation arrangements and equipment at the Frood might be of general interest to Triangle readers.

The Frood system of ventilation was laid out as part of the first mining development program. Since then it has been constantly improved and enlarged to meet the demands of higher tonnages mined from a greatly increased number of working places.

The first concern in opening a new level or section is making connections that will allow for air circulation, to insure against concentrations of smoke, gas or dust.

Any number of men now with the Company recall the time prior to 1931, when the mine was adequately ventilated by two small fans, one on 2400 level and the other on 2800 level, in the main crosscuts. These two fans pulled air down No. 3 Shaft and blew it to the stopes, which in turn exhausted to surface via two main fill passes and No. 4 Shaft.

NO. 1 SHAFT OPENED

As mining operations enlarged, greater ventilation facilities were demanded, and December, 1931, brought into use the present No. 1 Main Ventilation Shaft, complete with two large blowing fans, to furnish an increased quantity of air to all levels to the bottom on 3100 level. The main return air raise was completed from 2000 level to surface in January, 1934, furnishing a large opening to surface for carrying off all air that had been passed through the stopes. No. 3 Shaft was opened to foul air on 2000 level in June, 1935, to increase the total air to the mine by having two foul air exits instead of one. In August, 1936, another fan was installed on 1700 level, which "boosts" the amount of air circulating to the farthest north stopes and blows it to surface through No. 4 Shaft. A "booster" fan was installed in No. 6 Crosscut on 2800 level at about the same time to furnish air to the levels opening only on No. 6 and No. 4 Shafts.

This short history serves as a background for presenting the ventilation system as it operates today. The accompanying sketch is a cross-sectional diagram of part of the mine and the path of the ventilating air is indicated by arrows. Shaded currents denote upcast return air. Open areas are fresh or intake air.

SUPPLYING FRESH AIR

Air is blown down No. 1 Shaft by two large centrifugal fans located on surface. Each has a capacity of 234,000 cubic feet of air per minute (c.f.m.), making a total of 468,000 c.f.m. Regulator doors at every level make it possible to divide the air in proportion to tonnage mined, between the different levels, as well as split it to the south and north mine. The main footwall drift is the main airway on each level and carries the air to the crosscuts and first parallel longi-

Cross-section of a part of Frood Mine, with arrows indicating the path of the ventilating air and shaded areas denoting upcast return air. Open areas are fresh or intake air.



Major features of Frood's ventilation setup, described in the accompanying article, are pictured here. Top photo shows the headframe, hoisthouse, and fanhouse at No. 1 shaft. In the fanhouse (foreground) are the two huge fans driven by 450-h.p. motors, which send 468,000 cu. ft. of air per minute to the underground workings. Pictured below is a shaft station at No. 1 shaft (this one is on the 2800 level) which receives the fresh air from the shaft for the level. In the immediate foreground are the butterfly doors which can be adjusted to regulate the amount of air to the level, and at the shaft opening inside the station can be seen the louvre doors, also adjustable and used to regulate the supply of air.

tudinal drift where the chutes and manways are located and through which the air enters the stope.

STOPE VENTILATION

There are at least two manways in every stope and as many or more fresh air chutes, depending on location and layout. The air goes up the manways and empty chutes, traverses the stope to the hanging-wall side where the full raise is located, and exhausts through it to the level above.

Fresh air to each stope varies, but a constant check is being kept on this in all areas.

Recent volume surveys showed that throughout the mine, stopes averaged 2,800 c.f.m., while pillars each received 1,600 c.f.m. Now that the capacity of the No. 1 Shaft fans has been increased to 468,000 c.f.m., the fresh air being circulated to each stope and pillar has increased by 30%. Gaseous coal mines usually require 200 c.f.m. per man to keep all workings safe and healthful, while common practice in metal mines usually calls for volumes of air approximating 100 c.f.m. per man. Assum-

ing the usual stope crew, consisting of seven men, the volume of fresh air to each stope allows 400 c.f.m. per man. The excess in the case of Frood is furnished to insure perfect visibility, rapid clearing of smoke and dust and make for more comfortable working conditions in general.

RETURN AIR

Return air, as the air exhausting from the stopes is commonly called, is confined to an almost isolated circuit. The hanging-wall drift on each level is the one into which the stope fill raises discharge. Chutes leading from this drift to the stopes above are "bratticed" or covered tightly with a special fireproof cloth, whenever they are empty, to keep the "spent" air from getting to the stopes above. Hanging-wall drifts on the different levels are connected at about 10-stope intervals by return air by-pass raises, usually called ventilation raises underground and recognized by the screened front. The ventilation raises carry the exhaust air from level to level until it reaches the upper level being developed, which serves as a return air collecting level, from which it is coursed to

THE WEIGHT OF AIR

For those who are curious, 468,000 cubic feet of air weighs 18 tons, and 18 tons per minute is more than twice, by weight, the amount of ore being hoisted in the same period of time at the Frood.

surface through either the main return air raise, No. 3 or No. 4 Shaft.

CONFUSING TERM

Return air is sometimes called "foul" air at the mine to differentiate between it and fresh air. The term is a misnomer to the extent that it gives the impression that the air is putrid and has been sapped of its beneficial contents. This is in no manner true as is shown by the results of a number of tests made by a Canadian Explosives Technician a year ago. Fresh air, direct from surface, was tested, as well as the return air in a number of hanging-wall drifts. The summary of all analyses gave the following:

	Carbon dioxide	Oxygen	Nitrogen
Fresh Air ----	0.10%	20.79%	79.11%
Return Air ---	0.13%	20.77%	79.10%

The reasons for isolating the return air as much as possible are that: (1) at blasting time it is carrying blasting smoke and dust, (2) it is warm air and no longer capable of cooling, and (3) it is laden with moisture. Varying with the season, the ventilating air removes from the mine 25,000 to 50,000 gallons of water every 24 hours.

VENTILATION DOORS

Mine ventilation doors and their proper operation are essential to the effective ventilation of every section in the mine. Fresh air and return air drifts are all connected at intervals by crosscuts for tramping purposes. Doors then must be placed, as shown by the sketch, in each crosscut, to prevent fresh air from going into the hanging-wall drifts and into the return air circuit without doing any good. Air cannot be allowed to go through the mine in a haphazard sort of way. It naturally would pick the shortest and easiest route back to surface, with the result that the mine extremities would receive no air. Doors afford a means of coursing the air to the sections where it is required.

All ventilation doors are 6' x 7', painted black, and are hung on a white frame. A "closed" sign is placed on each with the number of the door. Standard practice requires that all "marked closed" doors be kept closed except for the period of time required for a man or train to pass through them. Doors to shafts are called fire doors and as such are painted red. The ones in No. 3 Main Crosscut are opened and closed mechanically by means of air cylinders.

Ventilation changes and improvements are constantly being made as mining necessities. They are for the most part, however, of secondary nature and do not affect to any extent the system in general which has been briefly described.

Inter-Level Loop Gives Sport to Many

Frood: Inter-level football is away to a flying start with five strong entries, one from surface and four from underground. George Lench has donated a trophy which will be presented to the winning club. Jack Jardine is handling the 2200 team, R. Anderson is manager of the 2950 lineup, and there are two entries from 2400 level. The surface team is managed by J. Whelan.

Matches are being played at the new Frood Athletic Park which the Welfare Association has secured and improved for mine sports activities.

Action Shots at Port Colborne Club



Triangle's camera covered the sports front at Port Colborne Recreation Club recently, and caught these well-known performers in the thick of action: (1) J. C. S. Wilson taking out a head pin on the bowling alleys, with the well-known Scottish determination written all over his face; (2) His daddy was upstairs risking life and limb by refereeing a volley ball match, so this coming crochinese champ got in a few

practice licks; (3) lower left, Umbo Concesal whipping an ace over the table tennis net, or perhaps just scoring another point on Nipper Wilson, the ping pong king; (4) The office volley ball team in action the night of their elimination from the tournament, and Stu Augustine has just hoisted the ball, although Wilfred Noble is taking no chances on its clearing the net, while, left to right in the background, Albert Hicks, Roy Howard, and Wallace Main are satisfied onlookers; (5) The battle is on; "Judge Landis" Christie, document in hand, says firmly "Rules are rules and we are going to stick to them," while Bill Roach, Roy Howard, and Orr Gonyou more or less listen; (6) Canby Minor, whose only complaint regarding the billiard room is that the pockets on the tables are too something-something small; his expression clearly indicates a deliberate attempt to leave his opponent snookered.

Creighton Softball Loop Proves Success

Creighton: Following in the wake of an active and entertaining spring program, the new officers of the Creighton Welfare Association came bounding back with a red-hot Shift Softball League. Perhaps not top-notch exponents of the game, but with a firm will

and determination to win, the lads put on a real show and heaps of entertainment is the result. There's nothing to equal some of the tussles which develop in the "blood and thunder league."

E. B. Nelson has been chosen to direct the affairs of the league, while R. Hawkins handles the secretarial end.

Eight teams comprise the league: No. 3 Shaft Surface, No. 3 Shaft Miners, No. 4 Shaft Miners, No. 5 Shaft Surface, No. 3 Shaft Rockhouse, Electricians, Engineers

and Mechanics.

The schedule works as follows: Afternoon Shifters play at 1:30 p.m. Engineers' games are run at 5:00 p.m. The Day Shifters are carded for 6:30 p.m.

Sid Wells, hustling mentor of No. 3 Shaft Surface, expects top honors for his squad. Dolf Teehan, of No. 4 Shaft, has it figured out another way. Whichever way it goes, both players and fans will have their money's worth many times over. It's another feather in the Welfare's cap.

Club Bowling Popular Sport

With the Frood and ORCO leagues wound up, and the Copper Cliff loop likely to see a winner within three or four days, the spring bowling schedule at INCO Employees Club is making excellent progress. The winning teams from the three leagues are booked to play a series in Pete Bertrand's trundling palace for a brand new trophy which the Club directorate has put up for competition.

LAST-MINUTE TIE

Frood's big 26-team set-up, which proved much less unwieldy than the size of the entry at first indicated, was first under the wire, after an exciting playoff for first place between the Hurd and Bromley lineups. Each of these teams had 21 wins and only three losses when the regular schedule was completed, and a sudden death fixture was run off to decide the laurels. Hurd's men coming through on top. Following was the final standing of all teams:

	Won	Lost
Hurd	21	3
Bromley	21	3
McCarthy	18	6
Maitland	18	6
Gilchrist	17	7
Daoust	17	7
Morrison	16	8
Beaver	14	10
Stelmack	14	10
Dinnes	14	10
Van Kamme	12	12
Boyce	12	12
Labrick	11	13
Kufske	11	13
Gaylor	11	13
Soucie	10	14
Jones	10	14
Cadieux	9	15
Bolton	7	17
Moore	7	17
Cummings	7	17
Clarke	7	17
St. Marselles	6	18
Taylor	6	18
Martell	6	18
Mason	5	19

Hurd's men had to roll a recorded average of 187 pins per game each to top the list, with Lou Midgley proving the most effective man on the team. In the two complete three-game strings recorded for him, he had an average of 216 pins per game. The high three-game score of the entire league, however, was rolled by Ned Leore, of Frood Tiger hockey fame. The Tiger trainer, who was a member of the Fred Maitland entry, demonstrated that his good right arm is handy for other things besides taking the crimp out of protesting muscles, when he smacked the maples for a three-game aggregate of 856 and took the special \$10.00 award which Frood Welfare offered for this distinction.

The handsome new Frood Welfare Association trophy donated for Employees Club competition, with miniatures for the permanent possession of the winners, was presented to the Hurd team at an enjoyable banquet following the playoff with the Bromley club. Both teams, with their wives, were the guests. The presentation was made by President McDonald of the Frood Welfare.

LAB-OFFICE VICTORS

Jack Crawford's Lab-Office combine proved too strong for the rest of the competition in the ORCO loop. Topping the standing with 15 wins and five losses, they were victors over Tankhouse No. 1 with 13 wins and seven losses, Shops No. 1 with 13 wins and seven losses, Yard and Casting with 10 wins and six losses, Tankhouse No.



Despite the fact that its opening at the middle of March left only a short season before summer outdoors sports got under way, all facilities at INCO Employees Club were put into full use by the members and are still going strong. Most popular feature of the Club, of course, are the six bowling alleys, which run continuously. A ladies' bowling league was recently organized and is proving a popular activity. Top photo shows a group of the fair bowlers at the opening game of the league schedule, with ORCO, Copper Cliff, and Frood all represented in the three ladies about to take their turns at the maples. In the lower photo are the members of W. I. Hurd's championship team, which copped the new trophy and miniatures offered by Frood Welfare Association to the winners of the Frood league at the Club. They are, from left to right, Lou Midgley, D. Edes, H. Fridmore, L. Stewart, W. I. Hurd, A. Saumure, J. Yuratovich.

2 with four wins and 12 losses, and Shops No. 2 with one win and 15 losses. The winning team received the special kitty which had been held out of the entry money as announced. Another hockey luminary, Cliff Atkinson, showed that his Nickel Belt sharp-shooting record was no flash in the pan by trundling a three-game tally of 889, best of the league. Of the Lab-Office players, W. Wright's average of 199 per game for four recorded three-game strings was outstanding, although three other members of the squad, A. Crossgrove, D. McArthur and W. Toleck, had averages of 224, 211 and 232 for the single complete string each rolled. Pete Nazar had an average of 184 for three strings, Jack Crawford had 177 for two strings, and Fred Faught had 191 for two strings. Others on the squad were J. I. Auk, I. Keegan and J. C. Bischoff.

A BLANKET FINISH

No less than seven teams were bunched in a blanket finish for the three top spots in the Copper Cliff loop as Triangle went to press. Coleman was out in front with 19 wins and five losses, but a two-way tie had developed for second place between Weston and LaFleche with 16 wins and eight losses each, and there was a four-way tie for third place between Dice, Lawson, Crowther and Vanexan, each with 15 wins and nine losses. When the league officials succeeded in getting this scramble untangled, it is the intention to play the first four lineups of the league in a series of matches for the championship and the right to enter the

Employees Club inter-plant series.

Other teams in the Copper Cliff set-up and their standing to date: Llewellyn, won 14, lost 10; Green, won 14, lost 10; Grannary, won 13, lost 11; Owens, won 13, lost 11; Shore, won 11, lost 13; Scott, won 11, lost 13; Fraser, won 9, lost 15; Free, won 7, lost 13; Thompson, won 6, lost 10; McGowan, won 5, lost 11; Armitage, won 4, lost 16; McFeeters, won 3, lost 13; Lee, won 0, lost 12.

START LADIES' LEAGUE

With Pete Bertrand as supervisor and ambassador of peace, a successful Employees Club Ladies' League is under way with a 10-team entry as follows: Mrs. Williams, Mrs. Labrick, Mrs. Armitage, Mrs. Gordon, Mrs. Woods, Mrs. Carleton, Mrs. Tilt, Mrs. Fitzjohn, Mrs. Sifton and Mrs. Clarke.

Best five-pin score yet to be rolled in a single game on the Club alleys stands to the credit of F. Parquharson, of Frood, a neat 401. Mrs. M. Clarke, also a Frood representative, has the best single-game score among the ladies to date, a 292.

OIL AT 15,000 FEET

Within the next five or ten years, it is said, oil wells will be drilled to a depth greater than 15,000 feet, or about four times that of the average well today. Since the depth depends upon the strength of the drilling equipment, the lengthening of the deeper wells will depend in turn upon continuing progress in the development of high strength nickel alloys for this equipment.

Engineers Stage Annual Frolic

When the mining engineers get together at Memorial Community Hall for their annual frolic, the austere dignity which usually characterizes these serious-minded gentlemen is given the gentle go-by for the night, and fun takes full control. Triangle's camera went to the party and, in (1), caught the German Band in a little jam session just before they astounded their audience with their own original rendition of George Holmes' delightful musical fantasy, "Oscar and the Gazelle." Left to right, the musicians were: "Tasch" Morissette, Bert Souch, Don Jarrett, Grant Boland, and Jerry Smith. In (4), Master of Ceremonies Ed. Gurney, who could impersonate the famous W. C. Fields and make an excellent job of it, poses with one of his Dames de Danse, the dainty and alluring Tom Pachung. Photos (2) and (3) seemed to weld into a composite when they got into the engraver's hands, and "Lem" Lemon, the Tattooed Lady, is apparently posing with soulful pride for the benefit of the guests during the supper hour. An unexpected pleasure at the party was the announcement by Miss Helen Sauriol and Bert King that they were to be wed on the morrow, and they were the recipients of heartiest congratulations. Dancing and lunch topped the program.



Lucky Winners In May 24th Draw

Copper Cliff: Prize winners in the draw in connection with C.C.A.A.'s Victoria Day celebration were as follows:

1st, ticket 8859, R. Hesse, Garson Mine; 2nd, ticket 137, Jack Chapman, Copper Cliff; 3rd, ticket 487, J. Kangas, 427 Beale St., Sudbury; 4th, ticket 8170, E. Knight, Copper Cliff; 5th, ticket 11047, Stewart Crouse, Copper Cliff; 6th, ticket 5880, Percy Martin, 47 Morrison St., Gatchell; 7th, ticket 5225, D. McDonald, 11 Grey St., Sudbury; 8th, ticket 4561, D. Griffin, 275 Bloor St., Sudbury; 9th, ticket 3678, W. D. McKenzie, 239 Pine St., Sudbury.

The draw was made during the boxing and wrestling matches at Stanley Stadium in the evening.

Juvenile Baseball For Youth Program

Another step in the Youth Program which has been receiving strong support from Frood and Creighton Welfare Associations and from Copper Cliff Athletic Association is the formation of a Juvenile Baseball League which the Nickel Belt League has taken under its wing.

Four entries have been made for this

season's schedule, from Frood, Creighton, Copper Cliff and Sudbury, and the youngsters will receive coaching from senior players.

SZABO ENTERS FINALS

Port Colborne: Boxing and wrestling classes have been called off after a very successful season and the boys are all keyed up over the prospect of an inter-plant meet with Copper Cliff in the fall, and are planning an early resumption of training for this important meet.

Alex Szabo, one of our wrestlers, won the South-Western Ontario Championship in the 191 lb. class and qualified for the Dominion finals in Winnipeg. Alex presented his championship trophy to the Recreation Club to be displayed with the other club trophies. Alex is a real sportsman and a gentleman, and all INCOS will be pulling for him in the finals.

Frood: With a total entry of 15 teams, the Welfare Association's inter-level softball schedule promises to be a hotly contested affair.

From Cullen's shift the following lineups have been entered: 2200 (Archie Murray); 2600 South (A. Maitland and P. Steimack); 2600 North; 2800 (L. Banks); 3100 (R. Anderson). From Horne shift are: 2000 (A. Cummings); 2200, 2400, 2600, 2800, 3100. Graveyard shift is represented by 2200-2400 (Peacock) and 2600-2800 (Brydges). Hurd and Kilby are managing the two surface teams entered.

Snappy Program at Big Annual Stag Night

Port Colborne: Approximately 800 members of the INCO Athletic Association were present at the Annual Stag Nite held in Recreation Club.

President W. J. Freeman gave a brief address on the Association activities for the past year, and the financial report was read by Secretary Vic. Lynden.

Chas. Neff voiced the appreciation of the employees to the Company for the wonderful facilities provided for their use in the Recreation Club. Mr. Walter replied on behalf of the Company.

Officers elected for the ensuing year were as follows: President, J. H. Walter; Vice-President, C. R. Howard; Secretary-Treasurer, V. A. Lynden; Chairman Entertainment Committee, P. Robinson; Auditors, J. F. Ross and R. Thompson.

A variety entertainment provided by Buffalo and Toronto talent brought a very enjoyable evening to a close.

Frood Welfare Assn. Elects New Executive

Frood: Five candidates sought the office of president of Frood Welfare Association in the spring elections, following the resignation of Ed Baker, after a fruitful term. The contest finally narrowed down to a close race between H. Clark and D. McDonald, the latter winning out. Five also contested the vice-presidency, which developed into touch-and-go between J. Riley and E. Dandy, with Dandy on top at the final count. Secretarial duties were again conferred by acclamation on E. Dickie, and G. Fleming was also returned by acclamation as treasurer.

Following are the members of the executive committee:

President, D. McDonald; vice-president, E. Dandy; secretary, E. Dickie; treasurer, G. Fleming; surface, E. Riley, H. Clarke, E. Evans; 12 to 8 shift, H. Labrick; 1600 to 1800, J. Voss; 2000, A. Adshad; 2200, H. Gordon; 2400, W. Young; 2600, P. Koster; T. Chenier; 2800, L. Bawks, G. Wilson; 3100, J. Thompson.

Frood Glee Club Makes Popular Debut

Frood: At Welfare Association Smokers held in the Employees Club May 25 and June 1, a special entertainment feature were the initial appearances of members of Frood's new Glee Club, which has been organized with Jack Voss as the moving spirit. Welfare members look forward with eager anticipation to further efforts on the part of this new organization, which commands a fine range of talent.

Other much enjoyed numbers at the Welfare smokers included: Violin solo by Miss G. Caswell, with accompaniment by H. McGuire; tap dance by Nick Haggerty and Paddy Riley, followed by McArthur, who performed the famous soft-shoe tap introduced by the inimitable Bill Robinson; vocal solos by Jack Voss, Jack Patterson and G. McAllister; guitar and vocal by W. Tregoning; mouth-organ and ukelele by F. Rogal; adagio dance by Harold Brown and E. Rinta; tap dance by the "Arthurettes," Shirley Jones, Gladys Evershed, Pat Winter, Pauline Bertrand and Betty McCarthy, accompanied by H. Swain.

Can Creighton Keep Monel Cup?

It's early in the season yet, of course, and many a grounder will have been booted before Triangle again goes to press, but unless somebody starts doing something about it pretty soon, the Monel Cup is going to rest in peace at Creighton for another winter.

We're glad to be making a prophecy like that from within the comparative safety of the editorial sanctum and well removed from such demonstrative individuals as Bill Fine, Herb Dupuis, Harry Morgan, and the like. Otherwise we would probably already be suffering from that insidious disease known as baseball-bat-wrapped-around-the-neck.

TWO WINS TO DATE

Jack Rountree's Creighton team has two decisive wins to its credit so far in Nickel Belt baseball, however, and is plugging along with all the confidence in the world toward a repetition of last year's triumph. Jack has a strong pitching staff, some of the league's heaviest hitters, and a nicely balanced team. The other clubs will have to step to keep him out of that top spot.

Mao McGowan has the Creighton catching assignment, with Nick Loupelle, a newcomer from Manitoba, as his understudy. Bill Tennant, Babe Marchildon, Ivan Campbell and Lefty Jackson make up the mound brigade, Jackson being a recent arrival from North Saskatchewan with considerable experience around Saskatoon. The infield hasn't definitely taken shape yet, and Rountree is still getting over the sad news that Hal Dewey, one of his most promising recruits who came from Smiths Falls, is packing his knapsack for Montreal, where Royals have laid claim to his services. Stated for the shortstop slot, Dewey, by his departure, leaves a big hole in the Creighton plans. Frank Young, Charlie Cerre, Rountree himself, and two or three promising candidates, as yet unannounced, will be rounded into an infield setup. In the outfield Creighton has Guy Percaine, Vic Jacque and Jimmy Bryce. The latter has been playing ball around Detroit and Grand Rapids, and is reported to be a heavy hitter, so he'll team up nicely with Jacque and Percaine, who are no strangers to the slugging art.

FROOD AND CONISTON

At Frood "Fitz" Fitzjohn is building his strategy around a much strengthened lineup which shows Chuck Crane behind the mask, and the veteran Bill Fine, Buttermann, McIvor and Sprung as moundmen. Buttermann is a promising right-hander from Wallaceburg. Lefty Ebaugh, of course, takes first base, Boal is at second and Joe Schwab handles third. The shortstop assignment goes to Dahl, of Kenora. Ned Leora, Ab Conick and Eddie Cadieux are outfield regulars, and utility men will be Beaver, Dowsett and Jensen.

Three new faces appear on the Coniston lineup which Fred Discher is handling for his plant's Welfare Association. Cleaver, a smart left-hander from Saskatchewan, is welcomed to the pitching staff with Slim Johnston, Strom and Roy Boles. Second base is being turned over to Bob Everest, who hails from South River, and the third sack is the assignment handed to Jimmy Russell, who has come in from Toronto. Johnny Wilson is catching for Discher, Gordie Smith is at first, Snell Blake takes shortstop, and out in the gardens are Eddie Dunn, who led the league's heavy hitters last year, Harry Morgan and Pete Preamo.

NEWCOMERS AT CLIFF

Two Kirkland Lake exports and one Toronto recruit are the new blood in Tom

Strong's 1938 Copper Cliff edition. Starr, a first baseman, and Lora, an outfielder, both came in from the North. Wilson, another outfielder, is the Toronto arrival. Not new to the district but new to the Copper Cliff lineup, and a mighty handy man to have around the grounds, too, is Elmer Beard, who has handled an ORCO outfield job for two or three years and is hitting 'em right on the nose so far this season. For the catching assignment Strong has his choice of Dupuis and Bertuili, two very capable receivers. Taus, Deacon, Murphy and Multhead are his choppers. Haddow and Irvine can share the second-base task, Hickey takes third, young Guy Haslie handles shortstop, Edwards is another first-base star, and George Collins again turns out for the outfield.

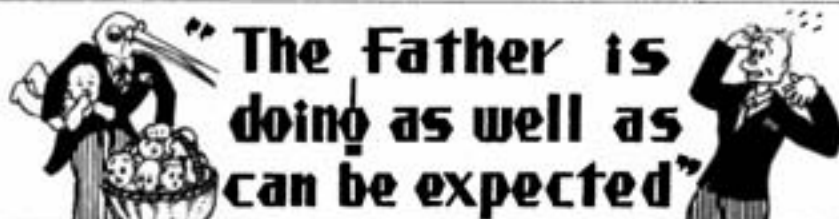
In two starts Creighton has taken Frood 6-3 and Copper Cliff 8-3. Coniston's lone game to date was a crushing 11-0 victory over Sudbury. Copper Cliff marked up its

first win with a 5-4 10-inning verdict over Frood. Beard, who picked off three sweet hits in the evening, doubled to send Hickey to third with the score at 4-4 in the tenth, and then Wilson doubled to bring home the winning run.

CLIFF SHIFT SOFTBALL

Copper Cliff: With George Johnstone acting as supervisor and seven strong teams entered, the shift softball league is away to a flying start. The John Anderson Cup will be awarded the winning lineup. The schedule allows 10 games for each club, after which the leading four teams will enter playoffs.

Clubs entered, and their managers, are: Reverb, Sid Smith; Smelter, "Daddy" Wilson; Mechanical, Bob Rogers; Boiler Shop, Charlie Sturrock; Italian Society, Aldo Antonio; Orford, Frank Wolfe; Yard, Joe Tera.



April 2: to Mr. and Mrs. R. Richer, a son; to Mr. and Mrs. Picard, a daughter; April 3: to Mr. and Mrs. A. Clatska, a son; April 4: to Mr. and Mrs. Daigle, a son; to Mr. and Mrs. C. Comba, a son; to Mr. and Mrs. J. Morrison, a daughter; April 5: to Mr. and Mrs. Dussick, a son; April 7: to Mr. and Mrs. A. Fournier, a daughter; to Mr. and Mrs. H. Stroz, a son; April 8: to Mr. and Mrs. A. W. Poultin, a son; to Mr. and Mrs. Leo Myher, a son; April 9: to Mr. and Mrs. John Jakowyschin, a son; to Mr. and Mrs. C. F. Jorgensen, a son; to Mr. and Mrs. Morgan, a daughter; April 11: to Mr. and Mrs. H. M. Logan, a son; April 13: to Mr. and Mrs. W. Wrobee, a daughter; to Mr. and Mrs. C. Philippe, a son; to Mr. and Mrs. O. Bertrand, a daughter; to Mr. and Mrs. Bromley, a daughter; April 14: to Mr. and Mrs. N. Baker, a son; April 15: to Mr. and Mrs. C. G. Caswell, a daughter; April 16: to Mr. and Mrs. Gatten, a son; April 20: to Mr. and Mrs. E. Dixon, a son; to Mr. and Mrs. R. Angierhart, a daughter; to Mr. and Mrs. M. B. Sullivan, a son; to Mr. and Mrs. W. Lapierre, a daughter; April 21: to Mr. and Mrs. J. Antonini, a daughter; to Mr. and Mrs. H. T. Steers, a son; to Mr. and Mrs. J. S. Greig, a daughter; April 22: to Mr. and Mrs. E. Dagenais, a daughter; April 23: to Mr. and Mrs. P. A. McLachlan, a son; to Mr. and Mrs. E. Adam, a daughter; to Mr. and Mrs. J. V. McGinn, a daughter; to Mr. and Mrs. E. Howard, a daughter; April 24: to Mr. and Mrs. J. Sturgeon, a daughter; April 26: to Mr. and Mrs. H. Read, a son; April 27: to Mr. and Mrs. J. P. Price, a son; April 28: to Mr. and Mrs. D. Lamin, a son; to Mr. and Mrs. J. McCormack, a son; April 30: to Mr. and Mrs. J. H. Hofford, a son.

May 1: to Mr. and Mrs. A. J. Smith, a daughter; May 2: to Mr. and Mrs. M. Mariash, a son; to Mr. and Mrs. Fields, a daughter; to Mr. and Mrs. E. Farmer, a daughter; May 3: to Mr. and Mrs. McIsaac, a daughter; to Mr. and Mrs. N. Bonic, a daughter; to Mr. and Mrs. F. Walsh, a daughter; May 5: to Mr. and Mrs. E. J. Dirochle, a daughter; May 6: to Mr. and Mrs. R. Toneguzzi, a son; to Mr. and Mrs. Lalonde, a daughter; May 7: to Mr. and Mrs. A. Thorburn, a daughter; May 9: to Mr. and Mrs. S. Popovich, a daughter; May 10: to Mr. and Mrs. Rady, a son; to Mr. and Mrs. R. Travele, a daughter; to Mr. and Mrs. J. Dossett, a daughter; May 11: to Mr. and Mrs. E. Dever, a daughter; to Mr. and Mrs. A. Smith, a son; May 12: to Mr. and Mrs. L. L. Maltby, a daughter; to Mr. and Mrs. Chretien, a daughter; to Mr. and Mrs. G. Allan, a son; to Mr. and Mrs. O. Lobingies, a son; May 13: to Mr. and Mrs. W. C. Smithson, a son; May 14: to Mr. and Mrs. P. Wayda, a daughter; to Mr. and Mrs. E. M. Doyle, a son; May 15: to Mr. and Mrs. Kenopic, a daughter; to Mr. and Mrs. J. Nemis, a son; May 16: to Mr. and Mrs. J. Kopot, a daughter; May 17: to Mr. and Mrs. A. Nadorozmy, a son; May 18: to Mr. and Mrs. R. Faddick, a son; to Mr. and Mrs. W. J. Young, a son; May 19: to Mr. and Mrs. Holbrook, a daughter; May 21: to Mr. and Mrs. W. J. Lockhart, a daughter; to Mr. and Mrs. J. Wojak, a daughter; to Mr. and Mrs. J. Brownlee, a son; May 22: to Mr. and Mrs. J. McSpurren, a son; May 23: to Mr. and Mrs. N. Houle, a son; to Mr. and Mrs. C. D. Skippen, a son; to Mr. and Mrs. Solaki, a son; to Mr. and Mrs. L. Giomini, a daughter; May 25: to Mr. and Mrs. G. Hamilton, a daughter; to Mr. and Mrs. Tulasio, a daughter; to Mr. and Mrs. A. Giroux, a daughter; to Mr. and Mrs. D. McRae, a son; May 26: to Mr. and Mrs. G. Landry, a daughter; to Mr. and Mrs. C. Weeks, a son; May 27: to Mr. and Mrs. Rodney, a son; to Mr. and Mrs. Kuchma, a daughter; to Mr. and Mrs. J. G. Hall, a daughter; to Mr. and Mrs. A. E. Waas, a daughter; May 28: to Mr. and Mrs. C. Mitchell, a daughter; to Mr. and Mrs. Higgins, a son; May 29: to Mr. and Mrs. P. Frappier, a son; to Mr. and Mrs. A. Corelli, a son; May 30: to Mr. and Mrs. J. Buchanan, a son; to Mr. and Mrs. S. Lapchinski, a son; to Mr. and Mrs. F. Stevens, a daughter; May 31: to Mr. and Mrs. P. Seafriet, a son; to Mr. and Mrs. Hamala, a son.

PUNCHING OUT

with

JOE the DRY MAN



¶ The entry list for a snooker tournament at INCO Employees Club is over 75, indicating that interest in the cue pastime is to keep at high pitch at the club throughout the summer.

¶ When Air Commodore Hollick-Kenyon recently addressed Sudbury Branch of the Canadian Institute of Mining and Metallurgy, a special feature of the program were vocal numbers by Pat McHugh, of Copper Cliff smelter. Pat was in fine form and drew many admiring comments for his numbers. The Sudbury branch now has more than 500 members, and is the largest in Canada.

¶ F. J. Eager, of Frood, has been a busy member of the committee in charge of improvements to Idylwyde fairways and greens. A correspondent wonders if he has also quietly taken the opportunity to get revenge on some of the spots where he came to grief last year. Personally, we would be all in favor of starting a little forest fire in the woods to the right of the first fairway, even though the smell of burning rubber would be pretty bad for a few days.

¶ Ever mindful of his every need, friends of a certain Creighton organist made a hurried search for one "bowler" and were able to present it to their harassed friend seconds before he took his place at the mighty console.

¶ Despite the three-week layoff he was forced to take due to a badly wrenched back, Murph Chamberlain, of Toronto Maple Leafs, placed second in the race for the Calder Trophy and the distinction of being the National Hockey League's best rookie in 1938. Murph, who is now selling cars in the Nickel Belt, got 37 points to the 56 collected by Cully Dahlstrom. Bingo Kampman was fourth with 15 points.

¶ George Halcovitch, of Frood, hit the headlines last week when he landed a 10-lb pickerel, reported to be the largest ever caught in Lake Wahnapiatae. George is setting a good example for Ted Dandy, vice-president of F.M.W.A., who last year spent some \$40 on fishing tackle and at the end of the season had pulled out four fish with a total value of about 40 cents. Reminded that this wasn't so hot from a business angle, Ted pointed out that it really wasn't fish he was after, it was the fresh air and the exercise.

¶ Just what it is that imbues these anglers with the old excelsior spirit is a mystery. Jack McIver and party started out on a fishing trip and got mired in mud up to their knees. Instead of turning back home and doing their troling in the bathtub, they hired a team of horses and a truck, and had their car towed through the mud halfway to Whitefish Falls, a mere 40 miles!

¶ Winner of the famous Boston Marathon in 1934, Dave Komenen, of Levack, tried a comeback this year and made a very creditable showing, placing 13th in a 180-man field.

¶ When Pat Boyle sprained his ankle in the third set of his final singles match against Charlie Gallagher, both boys' championships in the junior badminton tourney at Memorial Community Hall were won by default. Gallagher took the singles, and

paired with Alex Montgomery to win the doubles when Boyle was unable to continue with Bill Waterbury. Mary Gallagher won the girls' singles final, L. Tardiff-F. Lee won the girls' doubles, and C. Buck-C. Boyle took the mixed doubles. The tourney was handled by Bud LaBranche.

¶ What proved to be a very popular innovation was the "Frood Welfare Night" arranged for Frood Welfare Association, and a dance was staged at the Club with admission open not only to members of the club but also to the members of the Welfare Association. Frood night was June 10, and special floor show attractions added to the enjoyment of the guests.

¶ The softball bug has taken a large bite out of Red Stuart, of Frood, and his enthusiasm suffers not one whit from the fact that the time-office door hasn't exactly been plugged with team managers clamoring for his services. If somebody will just donate a ball and bat, Red will enter his own team in the Nickel Belt, although the only player he has signed to date is Bob Moasie, the well-known relief base-runner.

¶ Interest in inter-dept. First Aid at ORCO last winter was so keen that these contests will be continued throughout the year. R. H. Waddington will present souvenir buttons to the members of each team winning the F. Benard Shield.

¶ A ticket in the Irish Sweep, held by Mrs. Williamson and H. Elliott, of Frood village, won them \$2,650.

¶ Paul Dydzandra, of Fraser-Brace, supplied the big excitement to Hughie Craig's 24th of May boxing card in Stanley Stadium. He put tough young Ken Crowhurst, of Chapleau, to sleep early in the first round with a right-hander that zoomed up from somewhere

near his knees and caught Crowhurst square on the button.

¶ As usual, C.C.A.A. had no trouble securing assistance in the operation of its midway and in running off the various feature events of its Victoria Day celebration. Everyone who helped deserved an extra pat on the back because the weather was not the best, and it's a hard day's work even under ideal conditions.

¶ Some idea of the value of INCO's operations to Canada as a whole was conveyed by figures R. D. Parker gave members of the Sudbury Lions Club in a recent address. Last year, he stated, among INCO's heavy expenditures were \$6,000,000 for freight, \$8,500,000 for taxes, \$1,300,000 for power, and \$20,000,000 for supplies. The company purchased more than 62,000,000 board feet of lumber in the Sudbury district in 1937.

¶ The height of loyalty to his football team was displayed last month by Sid Gemmell, of Garson. Always a faithful rooter when the Garson soccerites are playing, Sid decided that this year the team might need a little extra vocal support, so to put himself in the pink of condition he took two or three days off and had his tonsils out.

O'Brien President Of Cliff Skating Club

Copper Cliff: A. E. O'Brien, of Frood, is the new president of Copper Cliff Skating Club, and other officers named for 1938-39 are: C. O. Maddock, Copper Cliff, vice-president; Miss Rita Price, Copper Cliff, secretary; Mrs. James Ramesbottom, Copper Cliff, treasurer; Miss Betty Walker and Frank Stack, of Sudbury, and Hugh Craig, Mrs. S. A. Crandall, Robert Bell and Bill Dopson, Jr., of Copper Cliff, are directors.

Honorary officers picked for the new skating year include P. F. McDonald, Smelter superintendent; Dr. C. R. Ferguson and Frank Taylor, Sr., all of Copper Cliff. A life membership was conferred on E. A. Collins.

It is estimated that one million tons of steel are nickel plated each year in the United States and Canada.

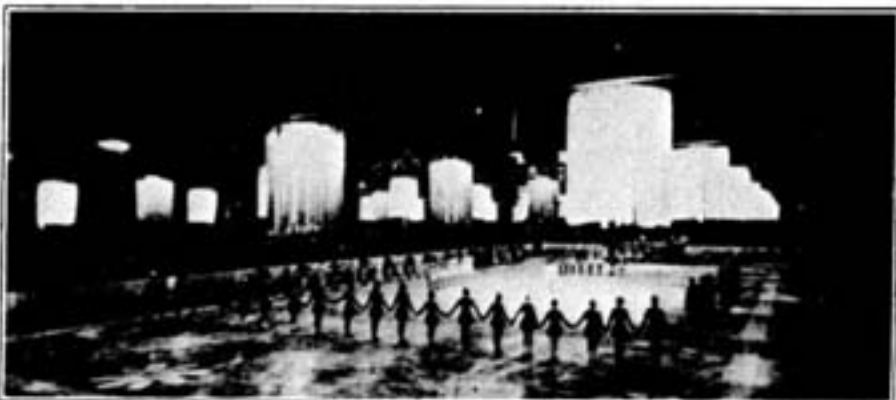


Photo of the finale at Copper Cliff Skating Club's 1938 Carnival in Stanley Stadium, which broke all records by playing three nights and a matinee to capacity attendances. Conducted in a beautiful sunken garden setting, with ice surface cleverly painted to produce the effect and colourful decorations carrying out the motif, the swift-paced program thrilled the audiences. The skill of the performers, the intricate patterns of the numbers in which they took part, and the rich costumes, most of which were made by members of the Club, created a picture long to be remembered. Smash hits were also scored by the visiting artists, Miss Eleanor O'Meara and the Caley Sisters of Toronto, and the McCarthy Sisters of North Bay. The difficult musical score was handled to perfection by Conston Band. To Chairman Gordon Thompson, the Club professional, and his talented executive and production committees, went public acclaim for a real triumph. Copper Cliff Skating Club's Carnival is now one of Canada's outstanding attractions in its field.

Flag of Scotland Gift to Cadets



Red lion on a yellow field, the proud flag of Bonnie Scotland was added to the colors of Copper Cliff Highland Cadet Corps at a presentation ceremony at Stanley Stadium June 3. Donated by David Butchart, former master mechanic of INCO mines and now living in retirement in Scotland, it becomes the official emblem of the corps.

The presentation was made by Captain R. B. Harris, M.D., honorary colonel of the corps and long-time friend of Mr. Butchart. The standard was accepted on behalf of the corps by Cadet Lieutenant Richard Coleman, senior lieutenant commanding No. 1 platoon, while Instructor Lieutenant R. C. Barnes stood by.

RECEIVE HIGH PRAISE

Making the annual official inspection of the corps, Major Phillips, of Toronto, heartily congratulated the unit on its appearance, efficiency and record, and termed it the best in the country.

A pageant of the colors, a First Aid drill, an impressive ceremony in which a wreath was placed on a pure white cenotaph, and the march past of the corps, were features of the evening's program, which attracted a large audience.

For 20 years instructor of the unit, Lieutenant R. C. Barnes was the recipient of an engraved gold watch and chain as a mark of the boys' appreciation. Flowers were presented to Mrs. Barnes.

For efficiency, first aid work, and devotion to the corps during the past year, special certificates were presented to the following: Captain O. Hickey, Lieutenant R. Coleman, Lieutenant A. McPhail, Lieutenant D. Gathercole, Corporal W. Ripley, Corporal L. Wulff, and Quartermaster Sergeant Major J. Glade.

Later in the evening, the cadets, their officers, the inspecting officers, and officials connected with their activities, were guests at a banquet in Memorial Community Hall. Those who spoke at the banquet were: R. L. Beattie, Major S. A. H. Cressey, Cadet Captain Orville Hickey, Col. R. B. Harris, Major H. P. E. Phillips, and Crown Attorney E. D. Wilkins.

Kuhlman Standout In Softball Circles

The appearance of Andy Kuhlman on the mound for ORCO puts Jack Crawford's copper kings in a commanding position in Nickel Belt softball. An excellent fielding club, the ORCO squad hustle around behind their new hurler in a manner which has other leading teams of the league frowning their foreheads.

Kuhlman started softball circles June 7 by holding Frank Graham's hard-slugging Frood squad to four or five scattered hits while his teammates pounded out a 6-3 victory. A southpaw hailing from Winnipeg, Kuhlman has an amazing assortment of hooks for an underhand pitcher, and is regarded as one of the trickiest softball chuckers seen to date in the Nickel Belt.

TIE FOR LEADERSHIP

Frood and Falcons, with four wins and one loss each, are tied for the league leadership at this writing. Bill Dopeson's Copper Cliff team are close behind with three wins and one loss, and ORCO stands next with two and two.

It's a seven-team league and, with the exception of Garson and Capreol, every team is playing smart ball. Clarence Buck, of Copper Cliff, is president, and Martin Keaney is secretary. There are 84 games in the schedule, 24 for each team.

Electros Champions Of Plant Basketball

Port Colborne: The plant Basketball League wound up May 13th, and Percy Kettle's Electros were crowned champions. They are well deserving of their laurels, having lost only one game in 14 starts and that by a one-point margin.

In the play-off grind for the champion-

ship of the first schedule, Office defeated Anodes "A" Shift 40-14. Calciners defeated Electros 21-20 and Danny Ryan's Calciners took the final from Office 32-19.

In the second schedule Electros defeated Anodes "B" Shift 56-20, Calciners defeated Office 32-14 and the final was won by Electros from Calciners 44-21.

The play-off of the two schedule winners, Electros and Calciners, was a real thriller, being 17-all at half time, but in the last three minutes Electros showed their real form to pull out on top 32-24 and wind up a very successful season.

Wilson's Anodes Are Volley Ball Champions

Port Colborne: Hall the first champions of the Volley Ball League, masterminded to the top by "Nipper" Wilson!

In the first schedule play-offs Electricians defeated Boxes 2-0. Stores defeated Bricklayers 2-0, Office defeated Electricians 2-1 and Electros defeated Stores 2-1. The final saw Office eliminated by Electros 2-1.

In the second schedule games Electricians disposed of the Office 2-0, "Nipper's" Anodes defeated Electros 2-1 and won the final from Electricians 2-1.

The play-off of the two schedule winners drew a large gallery and some of the best volley ball of the year was displayed for the customers. "Nipper's" team finally emerging victors in the 3 out of 5 series and are first holders of the beautiful new trophy presented to the club by the Welfare Association.

Name Winners in Badminton Playoffs

Port Colborne: Frank Bradley, of the Monel Shop, is the new badminton Singles Champion of the Niagara District, defeating his team mate, Jim Anderson, in the finals.

Frank Bradley and Jean Appleyard, the defending Doubles Champions, were forced to default their match due to Frank's badly blistered feet. This was a tough blow to INCO as this event was counted in the proverbial bag.

The Ladies' Doubles tournament in the Recreation Club was won by Mrs. J. Laki and Mrs. Chas. Neff, who defeated Mrs. D. Nixon and Mrs. W. Tallon in the finals. The 32 ladies entered in this tournament in



Mrs. Neff (left) and Mrs. Laki

our first year of competition gives promise of a much larger entry for this event next year.

In the Men's Doubles, Fred Willet and Dave Ferguson took out Dubby Cross and George Smith in their semi-final match, but lost a hectic championship match to Jim Anderson and John Chapdelaine. The latter receive the Lambert Trophy.



Members of the 1938 First Aid Class at Port Colborne, upon completion of the examinations in which all were successful. A total of 44 employees, representing all departments in the plant, attended the classes, which were conducted by Dr. McKenzie. Instruction in bandaging was given by Frank Chalmers, "Doc" to the boys, who gets a great deal of personal satisfaction out of the success of his classes. Doctors Baker and Hailton acted as examiners. Dr. McKenzie is seen at the right in the front row, and "Doc" Chalmers on the left.

Lots of 'Sock' In Soccer Setup

Although the season is still young, Nickel Belt football this year looks to the sidelines like a tough tussle between Garson and Frood for premier honors. In the two matches these clubs have played to date, Garson won the first 2-1, but Frood came right back in the second with a crushing scoring offensive to rout the Garsonites 6-1.

NEED EXTRA GOALIE

Jimmy France is filling the goal-keeping assignment for Frood, but his recent appointment as a relieving shift boss may cut into his football time considerably, and Andy Spy is on the hustle for an extra net-minder. Jimmy Ramsay has been taking over when France cannot turn out, but Ramsay is needed at his outside right post.

Meadows and Rayne are at full back for Frood, and halves are Hamilton, Campbell and Gaylor, the latter a new man on the club although he has previously played Nickel Belt football.

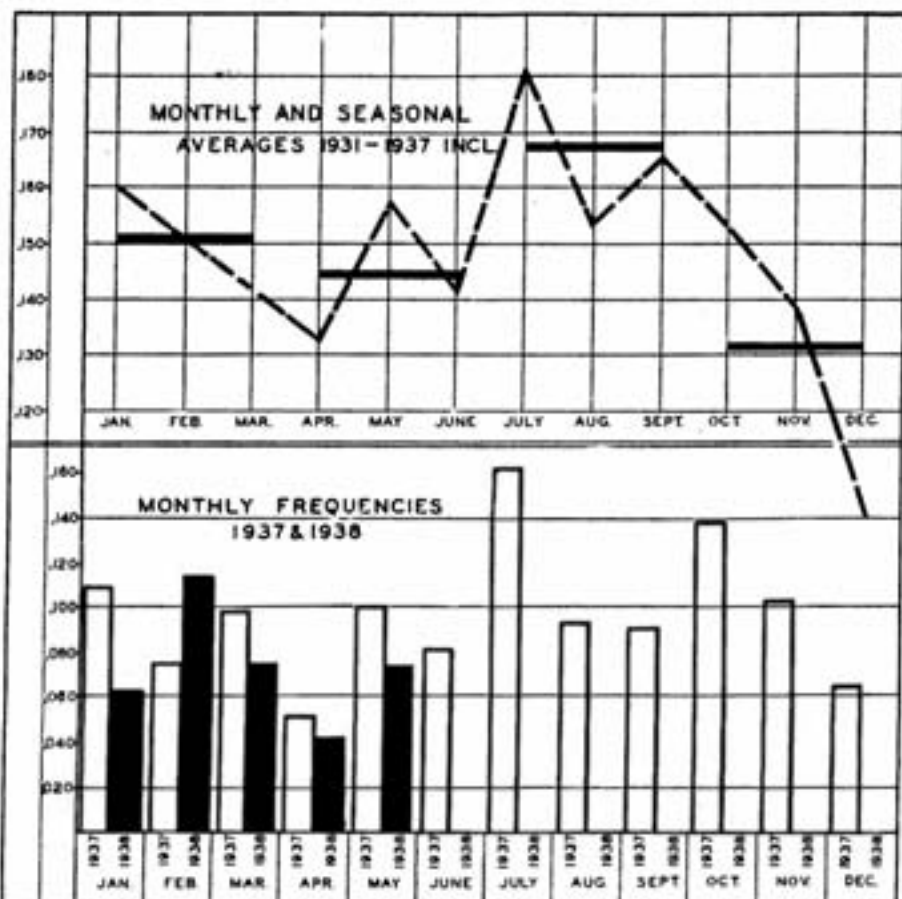
Jimmy Winning is up to his old tricks again this year on the forward line; in the second game against Garson he booted home no less than three goals. Thompson, of hockey renown, was another high-scoring Frood forward with two goals. Ramsay, Jones and Gray are the other three fleet-footed on the firing line, and utility men are Lindsay, Sam Grassman and Andy Spy.

SATHRANG IS COACHING

Chris Sathrang, veteran of many a football struggle and recognized as one of the finest players ever to lace on a boot in the Nickel Belt, hasn't actually come out for play yet this season, but nobody would be greatly surprised to see him in action despite his announced intention of retiring. The lure of the game is a strong one. In the meantime, Chris is keeping his hand in by coaching Garson, and has a nicely balanced club developing under his guidance. A newcomer, Dave Fitzpatrick, of Montreal, has the net-minding assignment. Hugh Morrison, one of the district's outstanding fullbacks, is teamed up with Malcolm Barber. At half-back are Murray McMaster, Fred Armstrong, and another new figure, Bill Muir, who hails

from Toronto. Red Neal, at outside right, is from Montreal, but the remaining forwards are all familiar to local fans, Oliva Matson, Art Thorborne, Pete Dragoski and Tauno

Paunoperal. Utilities are Jock McSpurrin, Lew Hughes, and George Morrison, who is well known in the Nickel Belt, but is playing his first year with Garson.



Employees whose co-operation has made possible the steady decrease in accidents-per-1000-shifts-worked in the Mining and Smelter Division of INCO will note with pride that both April and May followed the precedent set for the year by January, and recorded substantial improvements over last year's figures for the corresponding periods as well as over the averages for all months of April and May in the past seven years. April's mark was .042, and that for May was .074.