

# INCO TRIANGLE

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## Governor-General Visits Inco Plants



In these two pictures are views of the visit of the Governor General and Lady Alexander to Inco on July 2. The top photo was taken as the vice-regal party paused outside the changehouse at Frood Mine prior to going underground. From left to right are Vice President R. L. Beattie, Lady Alexander, Mrs. Beattie, Dr. H. Mowat, Inco chief surgeon, the Governor General, and General Superintendent Ralph Parker. In the bottom picture, taken during an inspection of the Copper Refinery, are Vice President Beattie, Lady Alexander, Alderman T. George Thompson of Sudbury, R. H. Waddington, general superintendent of Inco refineries, and His Excellency the Governor General. Other pictures and story on Page 4.

## Interesting Snaps of Venezuela by Jeff Leech



WHEN Jeff Leech returned in late May from Venezuela, where he had been stationed with an Inco geological party, he brought along a fine group of snapshots for his already well-filled albums. Some of them are reproduced above, and provide interesting sidelights on life in the colorful republic.

In No. 1 Jeff is seen digging into a pineapple plucked from the roadside; that's a banana tree in the background. In No. 2 is a farm scene; the wooden plow is reminiscent of biblical times; the farmer guides his plodding team with a long stick. In No. 3 the milk-boy is snapped as he makes his rounds. No. 4 shows the sleepy little village of San Pedro, basking in the morning sunshine; orange groves cover the hillside at the end of the street. Only the head of a hard-working little burro is visible in No. 5 beneath a load of building material for a new grass house. Workers are cultivating a field of sugar cane in No. 6; according to the Inco geologists, much of the country's sugar production goes into the manufacture of rum, but they are a trifle vague as to where the rum goes; tall trees are Royal palms.

In No. 7 peas are being threshed beside a typical native hut; pappy pounds the pods with

a sick and his daughters pick the peas out of the chaff. In No. 8 is a mountain scene along the Serrania del Interior, the type of country in which the Inco geologists carried out their exploration work.

### Suhl Was Pioneer Of the Industry

Rudolph Louis Suhl, manager of the Nickel Sales Department of the International Nickel Company at New York, and an outstanding personality in the nickel industry and one of its pioneers, died suddenly on Monday morning, June 10, at his home, 900 Belvidere Avenue, Plainfield, New Jersey, in his 64th year.

Mr. Suhl had been associated with International Nickel for over 43 years and at the time of his death was seventh in seniority of the U. S. Chapter of the Company's Quarter Century Club. He joined the company's Orford Works in Bayonne, New Jersey, on May 1, 1903, serving in the Chemical Laboratory

and later became Superintendent of the Calcining Department at that Works. When the Development and Research Division of the International Nickel Company was formed in New York in 1922, Mr. Suhl was one of the original staff, bringing to that department his intimate knowledge of the processes involved in the production of nickel. After serving with this division for some years, Mr. Suhl became Assistant Manager of the Nickel Sales Department in 1929. He was made Manager of the Nickel Sales Department in 1932.

During World War II Mr. Suhl was a member of the Ferrous Alloys and Minerals Priority Committee of the Office of Production Management and as such was active in assisting that office and later the War Production Board in the war-time problems involving metals.

#### TIME OUT

With the opening of the baseball season, here's an item gleaned from a small town newspaper: "The baseball game between Snodgrass and Podunk Center, which was played in Sam Jones' cow pasture, was temporarily delayed in the second inning when Gus Holmquist slid into what he thought was third base.

## William Rule and Arthur Wilcox Had a Total of 52 Years with the Company



ON their retirement from Inco service on June 1, William Rule and Arthur Wilcox were feted with their wives at a large gathering of friends at Garson. Seen in the above photograph by Michael Dudowich are the guests of honor, Mr. and Mrs. Wilcox and Mr. and Mrs. Rule.

Among those who lauded the faithful service of the two veteran Garson men were J. C. Ferguson, master mechanic of mines, and Foster Todd, mine superintendent. Presentation of a gold watch, suitably engraved, was made by Arthur Lye to Mr. Wilcox and by A. McAllister to Mr. Rule. To Mrs. Rule and Mrs. Wilcox, after mentioning the worthwhile contributions they had made to community life, Mrs. Syd Gemmell presented silver cream and sugar sets.

### 50 No-Accident Years

Never a lost-time accident in more than 50 years of mining is the proud record of Bill Rule. Son of a miner who moved to the copper mines of Northern Michigan in 1882, he was born in Cornwall, England, on May 6, 1881. When he was 14 years old he went to work as a drill boy, taking such supplies to the machine runners as steel for their drills and lard oil, or "sunshine grease," for their cap lamps.

He graduated to timbering, and then became a machine man. Most of the drilling was done on contract, a driller realizing about \$75.00 a month working a 10-hour day. When he left Michigan in 1905 he was a relieving shift boss. He went to New Jersey and had charge of timbering a new shaft in a zinc mine and then, in 1910, had a fling at shaft work at the Ray mine, between the Dome and the Hollinger, in the Porcupine area; he was 37 miles from the railroad, by shanks mare through the bush.

Coming to Sudbury in 1913 he was made timber boss with the Canadian Copper Co. on the sinking of No. 1 shaft at Frood. In succeeding years he worked at the Murray and the Kirkwood, and in 1915 went to Garson as shift boss, the post he occupied on his retirement. From 1933 to 1939 he was a shift boss at Frood, returning to Garson on the retirement of Alex Pollock.

He was married in 1909 in New Jersey to Miss Winifred Vivian, and they have two children, William of Toronto and June of Sudbury. Another daughter, Winifred, died in Garson at the age of three.

Mr. and Mrs. Rule reside in their own home on Baker St., Sudbury. Their plans for retirement are indefinite, but later on they may move to a new home near Toronto.

### Has Two Inco Sons

Two sons, Arthur of the Copper Refinery and George of the Open Pit, will carry on the good name of Wilcox with Inco, now that their dad

has retired. Other members of the family are Mrs. Harry Stone of Sudbury and Mrs. Halliwell of Toronto. There are six grandchildren, all boys.

Born at Cardiff, Wales, on Dec. 15, 1879, Arthur Wilcox went to sea as a boy and saw many parts of the world before he apprenticed as a boilermaker in the shipyards. Five years of depression yielded him only 12 scattered months of work, and he decided to realize a boyhood ambition to strike out for the New World. He chose Garson, where his wife's sister, Mrs. Dixon, was residing, and in May of 1925 arrived in that busy little mining camp. He started in the rockhouse, then fired boilers, then transferred to the steel shop, and in 1928 became a compressorman.

His marriage to Miss Eleanor Rutter took place in 1903. They too have their own cosy home on Melvin Ave., Sudbury, where the latch string is always out to their Garson friends.

## Presented Watches To Walker, Dubery



The Mechanical Department Pension and Welfare Association at Coniston recently honored two of its members who were retiring after lengthy service with the Company, Albert Dubery and Andy Walker. Presentation of

gold watches were made to them on behalf of the Association by Wilfred Patterson.

Picture shows the two retired veterans, Andy Walker, on the left, is registering a book with Albert Dubery, right, who has taken over the post of librarian in the Coniston Public Library.

### Started at Creighton

Born at Govan, Scotland, in February of 1881, Andy Walker was married in 1908 and that year came out to Canada to make his home in Sudbury, where his aunt and uncle resided. His first job in this country was at Creighton Mine under the late "Cap" Hambley. After that he worked at Crean Hill, Garson, and Worthington, and then put in a brief spell with the Algoma Central. Returning to the nickel industry in 1922, he joined the machine shop force at Coniston and was employed there until his retirement. He wishes now that he had never broken his employment with the Company, which he regards as tops as an employer.

He has the Scot's love of thoughtful and spirited discussion, and makes politics his hobby. Now that he has the time for it, he might even run for prime minister. He and Mrs. Walker have two sons, Charlie, who was a chief petty officer in the Navy, and Bill, who was a flying officer in the R.C.A.F.

The new librarian, Albert Dubery, was born in London in April of 1881 and came to Canada in 1920 to seek a better climate for his health. He settled in Coniston where his brother-in-law, Wm. Kent, resided, and was employed permanently in the carpenter shop.

### Keen First Aider

He saw service in two wars, the South African and the First Great War. Keenly interested in St. John Ambulance Brigade work, he was superintendent of the 59th Division of the Association for three years, and was a member of the Coniston First Aid team which won the Agnew Shield, emblematic of Inco inter-plant First Aid supremacy, six years in a row.

Married in 1903, he and Mrs. Dubery have two daughters, Mrs. F. Crewell and Miss Marjorie, the latter a member of the office staff at the Coniston plant. Their son, Leslie, was killed in an accident in 1938. They have seven grandchildren.

## HOW IS YOUR BRAIN-POWER?

Last month's teaser was apparently a fairly easy one, judging by the number of people who telephoned or wrote in the right answer to the Triangle.

How did Jones know the little girl's name? Well, Jones' boyhood friend was a girl, namely the mother of the little girl. Heck, that was easy, eh?

But nudge this one around in your noggin for a while and see what you get; it's recommended as a real test of reasoning, although it won't be hard for J. C. Rogerson of Coniston because he sent in a problem based on the same principle:

A professor had three students "A", "B", and "C", from whom he wished to select one for a scholarship, but as they seemed equally proficient in everything, he could not make a choice. He decided to give them a special test.

Showing them five ribbons, three white and two black, he told them that as they passed him going into a room he was going to pin a ribbon on each man's back, and the first man who was able to tell him the color of ribbon pinned on his back would win the scholarship.

As they passed him he pinned a white ribbon on each.

In a very few moments "A" came out and told him that the ribbon on his back was white. How did he know?



## Governor General and Lady Alexander During Their Inco Tour



Like a super-salesman proudly displaying his wares, R. H. Waddington, general superintendent of Inco refineries, explained to the Governor General and Lady Alexander the exhibit of refined copper shapes arranged especially for them at the Copper Refinery. Vice President R. L. Beattie listens in to the description in the first of the above pictures; in the second, His Excellency appears convinced of the merits of Inco copper products. The third picture shows His Excellency and General Superintendent Ralph Parker in interested discussion at Frood prior to going underground. In No. 4 His Excellency is pointing out a feature of the casting wheel at the Copper Refinery to Alderman T. George Thompson of Sudbury. Lady Alexander and Mrs. R. L. Beattie are shown in No. 5, wearing hard hats and slickers for their trip to the Frood underground. The Governor General and Lady Alexander are shown in No. 6, chatting over some of the interesting sights they saw during their tour of Inco operations.

## Gallant Soldier and His Lady Guests On Tour Of Inco Plants

A gallant soldier whose fearlessness and bravery turned the rout of Dunkirk into a personal victory, Viscount Alexander of Tunis and Errigal, new Governor General of Canada, was Inco's guest on July 2. With his lovely lady, His Excellency visited Frood Mine, the Open Pit, Copper Cliff Smelter and the Copper Refinery in a swift but thorough tour of inspection. Nickel and copper and other metals which were fashioned into the arms which won him

victory and resulted in the triumph of the Allied cause were seen by His Excellency in their native state below ground, and in the display of refined products arranged especially for his attention.

A sincere, unassuming pair, obviously eager to make friends and to learn as much as possible of the great nation in which they represent His Majesty the King, the Alexanders won friends wherever they went in their visit to the Nickel Belt. Keenly interested in everything they saw, gracious of manner and friendly in



## Suggestion Plan Is Still Paying Off For Bright Ideas

The Employees' Suggestion Plan continues to pay off in a very substantial way for Incoites who submit acceptable ideas for improvements in plant operations.

In the accompanying pictures are five well-known Inco workers who have cashed in recently on their brain-waves. In No. 1 is Alf Lee of Frood, who figured out a portable dumper for Hudson cars and collected \$10.00. Arvi Ristimäki, seen in No. 2, devised an automatic guide for winding fine wire on coils in Copper Cliff Electrical Shop, and was richer to the tune of \$36.00. In No. 3 is Pete Roy, Frood machine doctor, who got \$10.00 for his idea to improve loader bucket operation. Dennis Pappin, Concentrator fitter, seen in No. 4, thought solid-hub keyed pulleys would be better than split-hub



type pulleys on the pumps, and he was right for \$52.00. And in No. 5, faith an' begorra, is Eddie O'Brien of the Cliff Locomotive Shop,

who rang the bell for \$20.00 with his suggestion for an improved sander to give the locomotive wheels better traction.

greeting, the royal emissaries scored a triumph.

After signing the guest register in their private car in Sudbury, and receiving an official welcome from Alderman T. George Thompson in the absence of Mayor Beaton, the Governor General and Lady Alexander were then greeted by Mayor Collins of Copper Cliff, Mr. and Mrs. R. L. Beattie, and a party.

First visit of the day's itinerary was Frood Mine. There Their Excellencies donned "diggers" for a trip underground. Lady Alexander and the other ladies were ready for the excursion much sooner than the men, reversing the time-honored procedure of waiting for the males.

In the same special train which carried the King and Queen during their surprise trip underground in 1939, the Governor General and Lady Alexander rode from the shaft station on 2800 level to the inspection scope. There they saw drilling, shovelling and timbering, all carried out in standard stoping procedure. His Excellency remarked on the cleanliness of the mining place; it was neat and well-kept, he said, and he thought a high degree of efficiency must result from such well-ordered operations.

The visit of the vice-regal party to Frood-Stobie Open Pit was brief but interesting. The helicopter which is in the district created a

diversion by hovering over the scene.

At the smelter the party witnessed a reverberatory furnace in operation, and took a look at the mighty converter aisle. Moving over to the Copper Refinery they saw a special display of refinery copper shapes and precious metals, and watched the operation of an electric furnace and casting wheel.

Special attendant of Lady Alexander at Frood was Miss Mary Owens, assistant cashier at Copper Cliff. Her Ladyship, she said, was completely charming and admitted that several people had remarked on her resemblance to her Majesty the Queen.

## Cliff Cadets Earn Excellent Rating

"You are very good . . . in fact nearly excellent," said Major G. W. Beal, district cadet officer commanding M.D. 2, after his inspection of Copper Cliff Highland Cadet Corps on May 30.

About 100 cadets stood at attention as

trophies were presented for the past year. To Cadet Major L. Sauve went the Major Barnes trophy for the most outstanding cadet of the year, and to platoon No. 2, represented by Lt. Jim Lee, the Canadian Legion trophy, presented by W. C. Sinclair, for the best platoon. Other awards were as follows: Medals for the best shot, Cadet Sgt.-Maj. Y. LeBorgne; best shot in No. 1 platoon, L. Boire; best shot in No. 2 platoon, G. Bennett; best shot in No. 3 platoon, Cadet Lt. C. Tuttle; best shot in band, G. Haskins.

After the inspections and trophy awards a dance was given in the Community Hall.

Commanding officer of the corps is Major Laurance Sauve, with second in command Cadet Capt. J. Kavanagh. Other officers are as follows: Cadet Lieutenants Barry Price, Jim Lee, L. T. Gathercole, Charles Tuttle and B. Pappin.

Instructors are Major R. C. Barnes, who has trained the corps since he first formed it 28 years ago; Lt. W. Harrington, Lt. George Metzke, Lt. S. Crozier and O. McDermott.

### RIGHT ON THE JOB

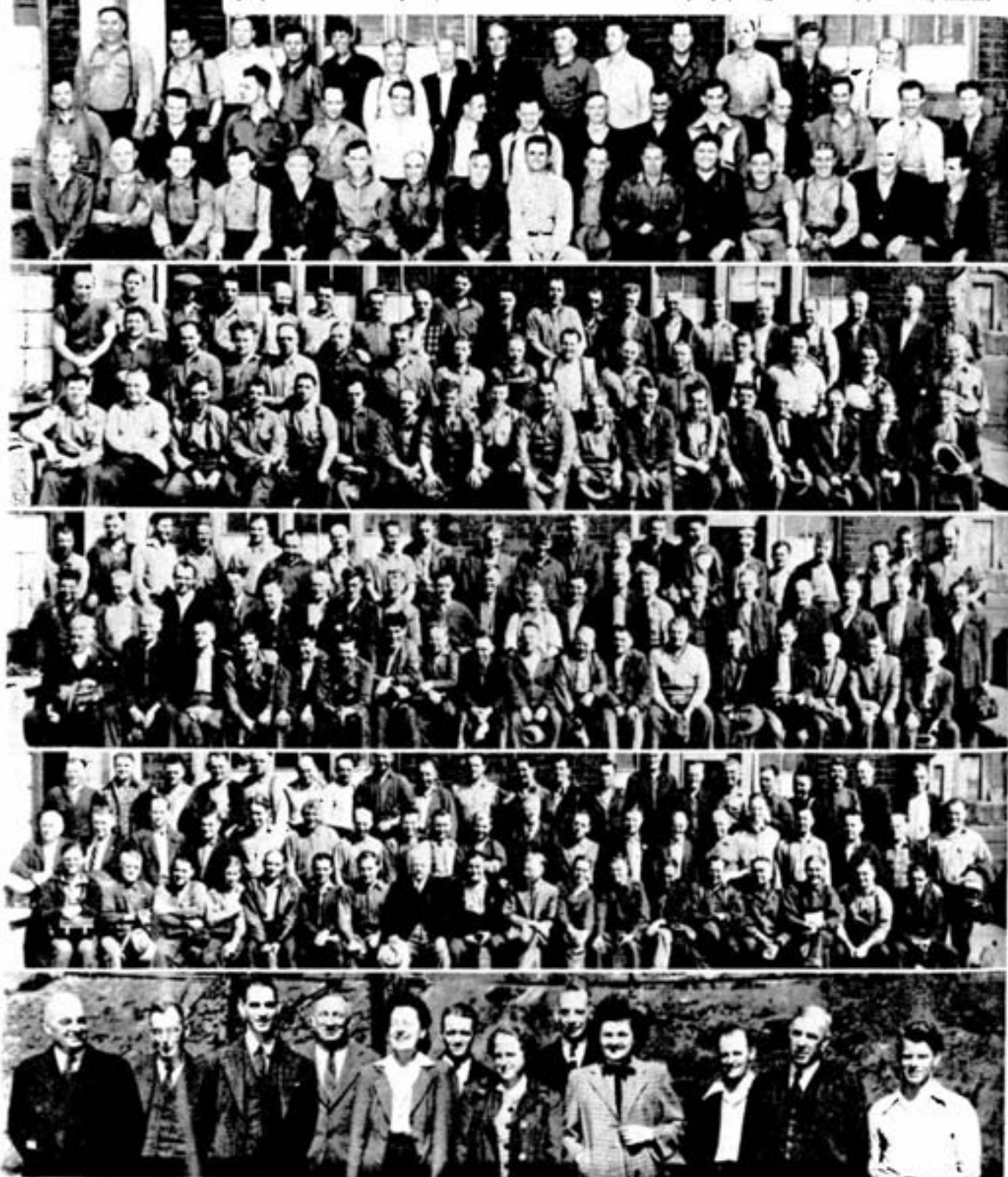
A pink elephant, a green rat and a yellow snake walked into a cocktail bar.

"You're a little early, boys," said the bartender. "He ain't here yet."

## CONISTON DOES IT AGAIN!

CONGRATULATIONS  
WE HAVE DONE IT AGAIN  
100,000 SAFE SHIFTS  
LET'S MAKE IT  
100,000 SAFE SHIFTS

Operating from July 26, 1945 to June 1, 1946, without an accident causing the loss of more than six days, Coniston plant won the second bar to their 100,000 Safe Shifts pins. In other words this was the third 100,000 safe-shifts period scored by Coniston, and they are now one bar ahead of any other Inco plant. How do they do it? It is suggested that all concerned are paying strict attention to avoiding that "one costly moment." They are being mindful at all times of what they are doing, and that split second of inattention which so often causes an accident is getting no chance to get in its vicious work. Photographed here are the people of the Coniston plant, to whom all Inco doffs that. Keep up your grand record, you safety sharks!





## Creighton Bowling League Winners

First winners of the handsome new trophy donated by Harry Sedlacek for the men's major 3-pin championship in the Creighton Bowling League were Mel Bruce and his merrie men, seen in the picture to the right: standing, N. Reid, F. Truskoski; seated, J. Morassutti, M. Bruce, J. Miroff. High average in the major group was Harry Narasnek's 240; B. Cayen rolled the high triple, 919, and Ev Scaples spilled them once for 386 to take high single honors.

In the last of the accompanying pictures are seen the winners of the ladies' group in the successful Creighton leagues: left to right, A. Seguin, M. McDonald, I. Seawright (captain), R. Nicholls, L. Maki, and P. Scaples. Best average for the season in this group was C. Anderson's 184; H. Pera had the high triple, 771, and M. Dobson the high single, 323.

Seen in the second group standing, are some of the members of Vic Trembley's winning team from the men's "B" group: A. Piva, V. Trembley, D. Marion, and E. Mosher. In this



section J. Dingwall's 206 was the best average. L. Tuddenham's 818 was the best triple, and F. Donnelly's 362 was the best single. Seated are some members of the Johnson lineup which copped mixed league honors: F. Donnelly, N. Donnelly, C. Gray, and I. Holpainen. Among the ladies in the mixed group, M. Dobson's 201 was the best average, J. Connors' 873 was the best triple, and I. Holpainen's 318 was the best single; among the men Bob Seawright had best average of 242, Ed. Johnson knocked them down for a triple of 879, and B. Elmond had the season's biggest single game, a whopping

## Honor Young Heroes At Willisville Meet

Presentation of wrist compasses to two young heroes who had saved a pair of their playmates from drowning was the highlight of a sports day held at Willisville on June 26.

Jack McAndrew, superintendent of Inco's Lawson Quarry, made the presentation in a brief ceremony on the steps of the Willisville schoolhouse. Principal J. R. Watson acted as chairman.

Jackie Campbell, aged 9, who had rescued Myrel Carlyle, 8, from drowning in Frood Lake, and Harold Golden, 12, who had saved Billy Carlyle, 7, from a similar fate, were the two boys honored for bravery and presence of mind.

Pupils of Whitefish Falls school joined the schoolchildren of Willisville for the sports day, which was under the auspices of the Lawson Quarry Recreation Club. A full program of



athletic events, topped off with ice cream and other treats, made the day a memorable one for the youngsters.

Pretty as a picture in its summer resort location beside Frood Lake, with majestic hills rolling back to the horizon like the highlands of Scotland, Willisville is a residential gem of which its citizens may well be proud.

### BOY WHO MADE GOOD

Here's one about the newly-widowed Mrs. Jones, who was in mourning. Mrs. Smith noticed it, and asked the reason.

"Well," said the first lady, "my husband fell off a barge and was drowned."

"That's too bad," said Mrs. Smith. "Did he leave you well provided for?"

"Indeed he did," answered the widow. "He left me fifty thousand dollars."

"Why, that's marvelous for a man who couldn't read or write."

"Nor swim, either," answered Mrs. Jones.

# First Post-War Circus Draws Record Crowds

For everyone it was the first circus since the war started; for hundreds of starry-eyed youngsters it was the first circus of their lives. And it was the first event of its kind ever held in Stanley Stadium. With this historic background the four-day performance of the Garden Brothers three-ring circus last month at Copper Cliff was an event long to be remembered by the thousands who saw it.

Sudbury Shriners were the sponsors of the show, and proceeds went to their fund for underprivileged crippled children.

It was a clean, attractive circus. Everyone remarked on the smart fresh costumes of the performers, and on the crisp high standard of the acts. Should Garden Brothers return next year with a similar show, they will be assured of capacity audiences.

The Triangle camera was busy during the Tuesday afternoon performance, focussed chiefly on the delighted faces of the children as round upon round of the romantic pageant unfolded. Tulsa, the elephant which with amazing sure-footedness walked out to the centre of a 4-inch plank, turned around, and walked back again, was one of the sensations which kept the kiddies bug-eyed. Professor George Keller sent shivers up their spines as he reclined nonchalantly on a heap of his ferocious wild animals. Wilbur Hill's trained dogs and ponies drew a storm of applause. The cycling Kirks were acrobatic marvels, and on the Wednesday afternoon a motorist passing through a town 50 miles from Sudbury saw a boy stubbornly wrestling with his bike in an effort to imitate their feats. The aerial Mathieus, the Heerdinks, the trained bears, and all the other wonders of the sawdust circles made an indelible impression. Intrepid boys brought gales of laughter with their attempts to stick on the sleek back of Ferdinand, the Hollywood bull. Led by Fifi, the five clowns of the circus were a riot of fun and foolishness. The cotton candy salesman, and the boy who hawked the balloons and other novelties, did land-office business.

The crowds came from all over the district by bus, truck, and car. One old couple arrived on the Monday morning by horse and buggy and stuck around all day. School children attended in shifts. Many adults went twice and even three times. The good old days had returned; the war was definitely and finally ended.







# Copper Cliff Club for 30 Years A Hub of Good Entertainment

A HUB of entertainment, recreation, and culture in the Nickel Belt since it was opened in 1916, the Copper Cliff Club this year observed its 30th anniversary. Down through the years from the days when opportunities for diversion were few and far between in the rugged north, the Club has made an important contribution to the happiness and welfare of the district.

Current stars of the concert stage, leading orchestras, and novelty performers have supplemented the best local attractions on the Club's programs, the directors sparing no effort to provide the members with the tops in entertainment.

Hundreds of young people today owe much of their proficiency in swimming, diving, and life saving to lessons received in classes at the Club. Bowling leagues and other organized sport have provided countless hours of exercise and enjoyment, and the Club dances have always been regarded as highlights of social life.

Through the diversity and high standard of its activities, the Copper Cliff Club has become an honored institution in the Nickel Belt.

Little detail is available concerning activities at the Club during its first three years of operation, but after March of 1919 the record is fairly complete in the notices mailed regularly to members announcing Club events. From them one can glean interesting and amusing sidelights on the Club's history.

Everybody was urged to attend a card party on Monday evening, March 3, 1919, at which bridge, five hundred, euchre and cribbage were all to be played. The members were asked to bring their families.

Special speaker booked for March 28 was Mr. Justice Sutherland, former speaker of the House of Commons, who was to address the members on "Our Debt and Duty to the Mother Country."

## Debates Were Popular

Debates were a popular form of entertainment. In April of 1919 the entertainment committee bravely arranged a verbal duel on Free Trade vs. Protection, but the extent of the contestants' injuries was not recorded. The following September there was another debate on "Resolved that the manufacture, importation, and sale of alcoholic liquors as a beverage should be prohibited in Canada." Supporting the affirmative were E. C. Lambert, T. D. Jarvis, and L. M. Sheridan, while the negative was upheld by R. L. Moorehouse, E. T. Dunn, and C. S. Stewart. Those who recall the occasion say that the heckling was really something.

Feature attraction at the 1919 anniversary ball were Mr. and Mrs. Mosher of Toronto, billed as "Canada's Celebrated Dancers." Apparently Mosher impressed the Cliffites with his ability, for he was held over to give a series of six dancing lessons. Three groups of 30 members each were organized, one for Beginners, one for Advanced, and one for the old smoothies who just wanted to Practice and perhaps show Mosher himself a thing or two. The fee was \$5.00 for six lessons, "strictly in advance."

Arthur Allen, considered the champion fancy diver of Canada, was engaged as swimming and diving instructor that summer. Fall features included Marion Ballou Fisk, cartoonist and lecturer.

The Hawaiian Quartet, Lyceum Players, were booked for January 3, 1920. Members wishing to enter the chess tournament were to notify A. F. Brock. If you wanted to dance at the Masquerade on Feb. 13 you had to be in costume. Regular Friday dances were cancelled on account of the 'flu epidemic.

An old-fashioned box social and euchre was arranged for March 6, 1920. The ladies

were to bring box suppers, which were to be drawn for at 10.45. The Club provided tea and coffee.

## Local Minstrel Show

Saturday night, May 15, was a night long to be remembered. The Cock-o'-the-North Minstrels finally staged their show. There was Frank Taylor, the Original Minn' Julep; Rotund Billy Hambley, Basso Profundo (also good in the field); Newton and Hazelden, tenors (The Lark and the Nightingale, late of the Crystal Palace, London); Snowball Rogers, the Georgia possum-hunter Big Six Moorehouse, the Midnight Warbler; Slim Stevens, the boy soprano; Arthur Kirby, the silver-toned ballad singer. Instrumentalists were Bill Yeo and Jack Lowe, interlocutor was

Smiling Dick Moffet, and an added attraction was Monsieur Kipperoo McLeansky, late of the Moulin Rouge, Paris.

Dancing must still have been something of a novelty in the district. At the 1920 anniversary ball there was a special rate of \$1.50 per couple for "spectators."

David Duggin, Scotch-American tenor, was booked the following November, and the announcement to the members said "Mr. Duggin's voice will be heard in comparison with Thos. A. Edison's recent laboratory recordings of his voice." The inexorable march of progress!

The Del Mar Singers and the Virginia Girls, both from the Lyceum Circuit, were attractions early in 1921. For the Bal-Masque and Valentine Party on February 14 the committee promised "Special Features and Giggle Getters."

## Showed Lantern Slides

That daring young men of many pursuits, A. F. Brock, bobbed up again in the official pronouncements, this time as the organizer of a bowling tournament. The Copper Cliff Band gave its fourth concert at the Club on April 27. Lantern slides of mining and smelting operations were shown at a smoker on April 30. The third swimming meet of the season was arranged.

Opening the 1921 fall activities, Rev. Byron Sauver, of Toronto, delivered his popular



## THE CLUB AND FOUR OF ITS MEMBERS

In the top picture is a view of the Copper Cliff Club, taken by telephoto lens from across Nickel Park. In the bottom picture two of the first members of the Club, Mr. and Mrs. W. W. Chapman, greet two new members, Mr. and Mrs. Arthur Van Allen.

lecture, "The Folks Next Door."

January of 1922 found the Minstrel Revue under the direction of Miss Gladys Stafford giving a repeat performance at the Club. J. W. Bengough, world famous cartoonist, was booked on his "farewell tour." The following year brought Reno, the Magician, who kept the members mystified for a solid two hours. Radio entertainments were announced for each Tuesday and Wednesday.

For the Halloween Dance of 1923 the committee urged the members to come dressed as "Country Character," "Goblin," "Ghost," "Comic Character," etc., but warned that dress suits would not be considered as costumes.

That winter a ski slide was staked out near the Club and lunches were served in the dining room. The "Paul Jones" was officially approved as a feature of the Friday night dances, "to promote greater sociability."

At the swimming meet in June of 1924, there were prizes for "plain header" and "backward header" dives. A new Club record score of 3674 was established by a lady and gentleman at bridge.

The spring of 1926 was rich in special entertainment. Charles Cox, comedian, was booked with John Thomas, baritone (this may have been the John Charles Thomas). The Hart House String Quartet was heard, and Reginald Stewart, the Canadian piano virtuoso, gave a recital. For good measure there was a demonstration of an "Orthophone," whatever that was.

#### More Dancing Lessons

The Brown-Mensely Concert Company and the Stephen Foster Concert Company were features of the 1926 fall season. The Hambourg Trio played on December 20. A bag of flour and a bag of sugar were prizes for a bridge tournament in January. A Brunswick "Panatrophe" was demonstrated for dance music. Efforts were still being made to improve the calibre of club members as trippers of the light fantastic toe, and in April of 1927 a sextet of professional dancers exhibited the latest dance steps.

In celebration of Canada's Diamond Jubilee there was a souvenir dance the night of June 30, 1927. Next day ice cream was sold in the club buffet and a fresh assortment of Hunts' chocolates was also on sale. For the masked dance on Halloween the Jubilee spirit was still strong, the members coming in "Confederation" clothes.

Mrs. Petras, teacher of music, and Mrs. Crouse, teacher of dancing, gave recitals in June of 1928. These ladies are still teaching large classes in Copper Cliff.

The Adanac Quartet, under the direction of Ruthven MacDonald, gave a concert the following August. The Hart House Quartet was back in February of 1930 and the Hambourg Trio in April. Bridge tournaments were now being called "Contract Bridge Tournaments."

For the 15th anniversary ball on May 8, 1931, Luigi Romanelli's orchestra was brought from Toronto.

The dance arranged for November 11, 1931, was cancelled out of respect for the memory of the late John Greig, who had served the club faithfully since 1916.

#### Staged Orchestra Contest

Water polo tournaments commenced to appear on the club programs in 1932. That fall there was an "Orchestra Popularity Contest," the Davidson, Reed, and Barnes orchestras competing for the favor of the members on successive Friday evenings. The bridge party on Nov. 2 was billed as "Home Wreckers Night" with husband and wife forced to play as partners all evening.

First appearance of ping pong was in the announcements for December, 1932, a tournament to be followed by a radio dance. The Garson Male Choir, assisted by Ted Reed and his orchestra, was billed for March 3, 1933. The Canadian Olympic bridge champion, Hamlin B. Hatch of Toronto, gave two lectures in the spring of 1933.

## 51 MEMBERS IN LEVACK'S "JUNIOR FRIENDSHIP CLUB"



In April, 1934, the Club said it would recognize Daylight Saving Time on the date it became effective in the Inco system.

Miss Margaret Fowler became club hostess in September of 1934, to assist in planning parties or arranging menus.

Bernice Claire, leading lady in the motion pictures "No No Nanette," "Kiss Me Again," and "Song of the Flame," gave a concert on November 14, 1934, and the club was jammed. Reginald Stewart was back for a recital the following April. The directors announced that they had purchased the most recent edition of Encyclopedia Britannica for the club. Jim Dewey instructed a series of swimming and diving classes that summer.

Wade and his Corn Huskers, of CFRB fame, were an attraction in August, 1935. Frances James and the Toronto Trio were featured in March of 1936, and the next month Eileen Waddington, pianist, and Stanley Maxted, baritone, were billed. A brilliant boy violinist, Jascha Danoff, played at the club on February 8, 1938, and the following November the members heard Rex Battle, former conductor of the Royal York Concert Orchestra, in a piano recital.

#### A Musical Calendar

For the New Year's Ball on December 31, 1938, the special program wished the members "Twelve Happy Months" in 1939. How many of the dance numbers do you remember: January, "Garden of the Moon;" February, "Simple and Sweet;" March, "Sixty Seconds Got Together;" April, "Umbrella Man;" May, "You Must Have Been a Beautiful Baby;" June, "Lambeth Walk;" July, "Heart and Soul;" August, "Two Sleepy People;" September, "Rye Waltz;" October, "My Reverie;" November, "Who Blew Out the Flame;" December, "Dance Medley."

Bob Gegear and his swing band, and Walter Snider and his orchestra with Mildred Bradley, winner of the Ken Sobie amateur contest, performed at the club in the spring of 1939. Paul Koster's orchestra was a new feature in 1940.

Prizes for the Bingo party on November 6, 1940, were War Savings Certificates.

Matt Kenney and his Western Gentlemen were billed for September 27, 1941. Alvin

With a membership of 51 boys and girls between the ages of 12 and 16 years, the Junior Friendship Club at Levack is a flourishing organization promoting worthwhile activities and wholesome entertainment for the teen-agers of the community. Some of the members are seen in the above photograph.

President of the club is Jacqueline White, vice president is Billy McDonald, secretary-treasurer is Helen White, and members of the entertainment committee are Nicky Dellelce, Isabel McNamara, Sophie Lenkin, and Milton Obonsawin.

The club was organized by Lloyd Davis, Levack personnel director, and he and Dar Seorey supervise its activities; their interest is much appreciated by both teen-agers and parents.

In a recent contest the members produced some very fine bird houses and sewing baskets, with prizes for the best going to the following: bird houses, 1st., Nicky Dellelce; 2nd., Reggie Delorme; sewing baskets, 1st., Isabel McNamara; 2nd., Velma Armstrong.

Activities of the club to date have included social evenings with games and lunch, quiz program, and a weiner roast at Windy Lake with dancing, swimming, and a sing-song. The members took part in the National Clothing Drive collection for Levack last month. A talk on domestic science for the girls, and a workout for the boys on their new horizontal bar, were features of another recent meeting.

#### HAD A BIG FOLLOWING

Manager (sarcastically): "I notice there were 35,000 people present the afternoon your grandmother was buried."

Office Boy: "Could be—grandma always was very popular."

Nickle's Copper Cliff Club Orchestra made its first appearance at the dinner dance on January 31, 1942. There was an open tournament of the new hit game, Gin Rummy, in February, 1942. A shuffleboard court was ready for use in the sun room in March, 1943.

The first Mardi Gras on February 22, 1944, was a highly successful costume dinner dance. Square dance parties were inaugurated in October, 1944. Was the entertainment pendulum swinging back to the old-time fun?



# Electrolyte "Goes to Press" at the Nickel Refinery



Like the Triangle and all other great family journals (adv.) the liquor or electrolyte from the electrolytic tanks at Port Colborne Refinery "goes to press" at regular intervals.

During the electrolytic process to produce

pure nickel the liquor which is continuously circulating through the tanks picks up various "impurities", notable among which are iron and copper. Each 500-lb. anode fed to the electrolytic tanks contains about .78% iron and

.32% copper. To remove these interlopers and send pure liquor back to the tanks is the work of a battery of presses.

**Slimes Cake Up Inside**

A press is made up of 40 wooden frames

spaced with 41 wooden plates. Over each of the plates is a sheet of duck. The liquor is pumped into the end of the press, strains through the duck, and then drains out of the press, following the channels or corrugations in the plates. The slimes of iron or copper cake up inside the frames.

When the pressure inside a press builds up to about 60 lbs., it's time to clean house. As seen in the 1st picture of the above layout, an opening and closing device is wheeled into position at the end of the press by Tony Kluckach and Dan Leveille. Designed by Port Colborne engineers a couple of years ago, the device is motor-driven and a great improvement over the old "back and bar method" of opening the press.

When the press is loosened two pressmen move from frame to frame, dumping the cakes of slimes and scraping the duck. Alex Palocz and Joe Torok are performing this operation in No. 2. An iron press is cleaned about every 16 hours and yields some 3,000 lbs. of slimes. There are 25 presses for removing iron slimes and 18 for copper slimes.

#### Nickel Is Removed

Cakes from the iron presses drop into hopper buggies on the floor below and are dumped into a cook kettle, after which they pass to the iron slimes retreatment section for removal of the considerable quantity of nickel they still contain. Phil Bunyi is shown in No. 3 dumping from buggy to kettle. Final residue is stored in No. 1 building, and periodically dried and shipped to Copper Cliff to re-enter the process. Flow of acid to the tanks in the iron slimes retreatment section is seen being adjusted in No. 4 by Ray Leslie.

The liquor squeezed out of the iron presses is treated in the pachuca tanks, which will be described in a later article in this series on Port Colborne operations, and then goes to the copper presses. After it has passed through them it finally returns to the plating tanks as pure electrolyte. The cakes from the copper presses also enter the pachuca section and are reduced to 80% copper slimes which are also dried and shipped to Copper Cliff.

#### On Carbonate Floor

Another function of the presses is in the making of nickel carbonate, which is used to aid in the precipitation of iron from the iron slimes. Some nickel sulphate electrolyte from the iron slimes retreatment section is pumped to the carbonate floor where soda ash is added to it in a mixing tank. This solution goes into a pair of smaller type presses, and the result is nickel carbonate cakes and sodium sulphate liquor; the latter is discarded. The nickel carbonate cakes drop into a water pit where paddles break them up, and this emulsion is pumped to the oxidizers. Steve Gaal (right) and Lucien Simoneau are pictured operating a press on the carbonate floor.

That, briefly and without going into details of treatment which are part and parcel of the pachuca story we'll be telling you later, is the work done by the presses at the Nickel Refinery.



#### ARTHUR HILLEN

Arthur Hillen is only 3 years old but he's in the construction business in a big way nevertheless. He's the son of Mr. and Mrs. Vic Hillen, and his dad works in Copper Cliff Smelter. Could be that his grandpappy, Alf Wulff, is a partner in that steam shovel game.



#### ELIZABETH QUANCE AND KARIN PAUL

Wearing a life preserver in case she hooks a whale and has to go in after it, Elizabeth Quance (left) is a study in piscatorial absorption as she waits for a strike. She was 3½ when the snap was taken. Slightly bored with the whole thing was Karin Paul (right), 7 months, whose big yawn might have been due to trying to keep step with her pappy the night before. Doting dads of these two young uns are John Quance and Walter Paul, both of the Mechanical Engineering Dept., Copper Cliff.

#### "Intonation is True ... Rhythm is Alive"

The English adjudicators, Sidney Harrison and Arnold Roseborough, said: "One must particularly commend the expressiveness of your tone. Intonation is true and rhythm is alive. The conductor has shown imagination in phrasing. The whole performance is flexible and pleasing, and the detail bears close examination. This music is not very distinguished but you bring out the gaiety and elegance that have given it a certain popularity for a period of time."

And with those kind words the first place for senior bands in the 1946 Sudbury and District Festival of Music was awarded to the Coniston Band. Too much credit cannot be given this ambitious organization of Inco musicians and their talented conductor, Dan Totino.



In the picture pretty Miss Adeline Brignolio, only girl member of the band, is holding the Acme Printers Trophy, emblematic of the senior band title.

#### "PRODIGAL SON" SEES HIS BIRTHPLACE



When Dr. Gordon Farnham was appointed last spring to the staff of Inco's new Development and Research Section for Canada, few knew that he was renewing an old association with the nickel industry. He was born in Copper Cliff and lived there with his parents until he was three years old; his father, Mark Farnham, was a private tutor who later joined the staff of the Dominion Bureau of Mines.

Now a metallurgist of international distinction, Dr. Farnham was in Copper Cliff in June to confer with the Research Department. At the same time another former Cliffite, F. P. Bernhard of New York, Chief Comptroller of the Company, was making one of his regular visits to the head office. He had known Dr. Farnham as a youngster, and together they went to see the house in which the latter was born. It is now the home of Mr. and Mrs. F. Seedman at 5 Cliff St., but in those days it stood on Park St. where the home of Dr. Feldhans is situated.

Picture shows Dr. Farnham (left) and Mr. Bernhard in front of the former's birthplace.

## Arranged Welcoming Ceremonies For Soldier Sons and Daughters



**P**RIDE in the military achievements of their soldier sons and daughters, and gratitude for their loyal service to their country, have been expressed by the citizens of Coniston, Garson, and Creighton at well-planned public gatherings. The program in each case included presentation of scrolls and gifts. A similar event is now being arranged in Copper Cliff.

Special committees handling the arrangements for these important occasions deserve the appreciation and esteem of their communities. Pictured here are the groups which were in charge, working in co-operation with the various organizations of their towns.

In the top picture is the Creighton committee: standing, left to right, M. Mitchell, E. Carriere, S. Cretzman (secretary-treasurer), E. Starkey; seated, H. Cassell, C. Brooks, L. Franceschini, M. McDonald (chairman), L. Flora, T. Farrell; absent, I. McAteer, M. Tremblay, I. Ahlgren.

Second photo shows the Garson committee: standing, left to right, George Secker, Syd Gemmell, Archie Massey, John Donnelly, Rev. G. O. Cox, Matti Juoppi, Supt. Foster Todd; seated, Mrs. A. Massey, Mrs. O. Kaattari, Mrs. E. Armstrong, Mrs. A. Smerden, Mrs. T. McNeice, Mrs. Joe Lee, Mrs. Walter Lee, and Mrs. H. Williams; absent, Mrs. J. Joyce, J. Davis, and Reeve Jodouin (chairman).

In the third picture is the Coniston committee: standing, left to right, Andy Halvorson,

Fred Crewell, W. McLaughlin, J. M. Bidal, J. Bellowis, Dan Forestell, F. Forestell; seated, Joe Bloeman, E. Orendorff, Mrs. A. Walker, J. C. Rogerson, and Dan Torino. This group will continue to function as a leadership committee in future community activities in Coniston.

## Red-Haired Garson Girl Beauty Champ

Definitely an eye-pleaser as well as a charming personality, red-haired 16-year-old Barbara Jack won the beauty contest held in conjunction with Sudbury Rotary Club's Field Day at Athletic Park on June 14. She is the daughter of Mr. and Mrs. Robert Jack of Garson Mines where her dad is a veteran hoistman.

Miss Jack was chosen as Miss Rotary 1946 over 13 other contestants. She was presented with a cheque for \$100, a bouquet of roses, and an additional prize of \$10 from the Rotary



Club. Winner of second prize was attractive Jean Bard of Coniston. Kaarina Ronni of Sudbury was selected as the third most beautiful contestant. Stan Francis of "Share the Wealth" fame was master of ceremonies and introduced the girls to the big crowd. Judges were Mrs. A. H. Michaud, Mrs. E. Maranger, T. D. Edward, Dr. D. G. Myatt, Dr. H. Mowat, and Dr. R. L. DesRosiers.

Ted Dash, in charge of the show, placed the victory ribbon over Miss Jack's shoulders. She is seen in the above picture on the diving board at Garson Lake, with the mine headframe in the background. Michael Dudowich, aspiring young Garson photographer who knows a photogenic subject when he sees one, took the picture.

### MAKE IT \$4

A trade paper was offering \$1 each for "embarrassing moments." One letter received read thusly: "I came home from work and found a strange man making love to my wife. I was very embarrassed. Please send \$2. as my wife was embarrassed too."

The editor, we are told, sent \$3, admitting the possibility that the stranger also might have been embarrassed.



## Frood Electrical Dept. Safety-Minded



They have a comparatively small staff, and long shift records take time to roll up, but the Electrical department at Frood mine have registered 75,000 safe shifts, and that's a lot of accident-free working hours for a mere handful of men. In the picture are Supt. Stewart McKenzie and his safety-minded crew.

## New Agreement Signed at Cliff

A new Collective Bargaining Agreement to remain in effect for one year was signed by "Inco" and The International Union of Mine, Mill and Smelter Workers, Local 398, at the company's general offices in Copper Cliff on June 10th.

A general increase of 10c an hour, off shift premiums of three cents and five cents an hour, two weeks vacation with pay after five years service and one week's vacation with pay after one year's service, and upgrading of third class tradesmen who are qualified to second class rating were some of the provisions of the Agreement.

The Company agreed that during the currency of the agreement the sum of one dollar per month would be deducted from the pay of each employee within the bargaining unit as a con-

dition of each such employee's continued employment. The total of these deductions will be remitted to the Union each month.

Premium pay for work performed on two additional statutory holidays, Good Friday and Thanksgiving Day, was provided for and for work performed on Christmas Day and New Year's Day employees will receive double time instead of time and one-half as in the past.

Signatories to the contract on behalf of the Company, were R. L. Beattie, vice-president and general manager; R. D. Parker, general superintendent of mining and smelting; Fred Benard, assistant general superintendent; H. J. Muttz, general superintendent of mining; R. H. Waddington, general superintendent of refineries, and H. C. F. Mockridge, assistant secretary. For the union the document has been signed by J. L. Kidd, president of Local 398; N. Thi-beault, vice-president; J. P. McCool, financial secretary; H. Shebeski, recording secretary; O. A. Hanson, conductor; W. Santala, warden; D. McSweeney, M. Solaki, E. Stobo, T. English and J. Davidson, trustees; C. Crouch, B. G.

McKay, J. C. Ready, C. D. Ross, L. Jorgenson and G. Cranston, negotiating committee members; R. H. Carlin, H. Landon Ladd, and Thos. F. McGuire.

The contract embodying similar provisions has also been signed at Port Colborne.

## Chris MacPhail is New Port Engineer



Seen in the accompanying photo studying blueprints in his office is Chris MacPhail, new works engineer at the Port Colborne Refinery.

A retiring sort of a gent, not exactly given to any wild outbursts of personal publicity, Chris was born at Vernon, 23 miles from Ottawa. His father was the school teacher there and later moved to Copper Cliff, where super-annuation concluded a distinguished career as a pedagogue. Other members of the family are Jack, on the police detail at Frood; Don, of the Orford Department at Copper Cliff; Allister, sparksman with the Inco Electrical Department; Mrs. Bill Armstrong of the Cliff, whose husband is a metallurgist AND a golfer.

After taking his preliminary education in Copper Cliff and Sudbury, Chris spent two years at Queen's in Mechanical Engineering, and from 1922 to 1931 was in the Mechanical Engineering Department at the Cliff. Then he had himself a sabbatical 4-year period at Lakeshore. Returning to Inco, he enlisted in July of 1942 in the Ordnance Corps and in 1944 transferred to the R.C.E.M.E. Up to May of 1946 he criss-crossed Canada shooting engineering troubles for the services. He liked the life in a way, but is mighty glad to be settled down with his family in a nice spot like Port Colborne.

He was married in 1932 to Miss Bertha J. Mitchell of Sudbury, who was a nurse at Copper Cliff Hospital when the love bug bit. They have a son, Chris, aged 12, and a daughter, Jean, 8.

Collecting stamps and reading, chiefly historical novels, are the hobbies of this 40-year-old machine maker.

### EYE STORY OF A VOLCANO

Motion pictures of the volcano which erupted in February of 1943 at Paricutin, Mexico, were shown at the Copper Cliff Club on June 20 by Dr. L. C. Graton of Harvard University, consulting geologist to Inco. From his own movie shots, many of them taken in a helicopter while it hovered over the volcano, and from the camera sequences of associates who were studying the phenomenon, Dr. Graton had assembled a most interesting picture study.

The man who makes no mistakes lacks boldness and the spirit of adventure. He is the one who never tries anything new. He is a brake on the wheels of progress.

—Charleston Weekly Letter.

## Prizes for Snapshots In Triangle's Contest

Inco camera fans are invited to send in their prize snapshots to the Triangle "Picture of the Month" contest.

For the winning picture each month a prize of \$10.00 will be awarded; the second and third best entries will receive honorable mention and an award of \$1.00 each.

Each picture must be taken by the person who enters it, but developing and finishing need not be done by him. Only one entry per person will be accepted for any one month. No person may win the \$10.00 award oftener than once in six months, or honorable mention oftener than once in three months. All employees of the International Nickel Company of Canada, Ltd., are eligible to compete.

A guest judge will be invited each month to determine the winners. The guest judge for July will be W. E. Mason, publisher of the Sudbury Daily Star.

Pictures received up to and including July 20 will be entered in the July contest; pictures received after that date will compete in the August contest. Winning pictures will be published in the Triangle. Entries must be accompanied by the name of the employee, employment number, name of the plant at which he works, and necessary descriptive detail of the picture.

There are no restrictions on subject matter. Get out the old Brownie and "shoot" the kids playing in the back yard, or that fine string of fish, or a pretty bit of scenery, or Ma helping change a tire on the holiday trip, or some of the boys on the bathing beach, or whatever you like. Then send in the snap to Inco Triangle, Copper Cliff.

## "United Nations" a Realization



Any doubting internationalist who wants to see the "United Nations" smoothly at work, day in and day out, should drop into Inco's Port Colborne Refinery and ask to visit No. 5 Building. There, if he happens to catch them on shift, he will find: back row, left to right, John Ewasnik, Ukrainian; Jacob Audler, Austrian; Alex Eged, Hungarian; Antoni Marko, Pole; front row, Dimko Markoff, Macedonian; Steve Hanuska, Czechoslovakian; Rayko Markovich, Serbian; Frank Seres, Estonian. Longest service record of the group is held by John Ewasnik, who started with Inco in 1922; all the others have been with the Company since 1930 or longer.

## "Keep That Right Arm In Close"



Out on the golf course at Port Colborne Les Lewis has been building himself a reputation as one of the longest hitters in the business. In this picture he's seen giving a demonstration of grip and pivot secrets to other Inco golfers during a lunch-hour interlude behind No. 4 Building. A broom and a "snoot" box are substitutes for golf club and ball. His audience left to right, Johnny Jamieson, George Burns, and Glenn Winger. All are racking up scores consistently in the very low 80's.

### NICKEL MINING SAFEST

Nickel mining was the safest of all mining occupations in Ontario last year, the annual

report of the chief inspector of mines reveals. Mining accidents in the province showed a decrease of 4.5% compared with 1944.

## Attended Inco Picnic On New York Trip

Mickey Paradis of the Orford Department and Larry Charbonneau of the Tailings Line certainly hit the high spots (including the Empire State Building) when they went to New York last month for their holidays.

Warren Ball of the Accounting Department at Inco's offices, 67 Wall St., fixed them up with an itinerary which they followed faithfully, and they had a whale of a time. They were



guests at an Inco outing on Staten Island, and were Johnny-on-the-spot when Dr. John F. Thompson, executive vice-president of Inco, asked to be photographed with them and two attractive young ladies from the staff. The picture appears above; Mickey is on the left, beside Dr. Thompson, and Larry is on the right.

The boys were very pleased with the hospitality and friendliness of the Inco people in New York. They went to Coney Island, saw the races at Aqueduct, got lost in the subway, and had good seats at the Louis Conn fight at Yankee Stadium. The main go was a disappointment, Mickey says, but there was some smart action in the preliminaries.



### EXPERT FLY CASTERS

Not since the year of the blue snow has there been a finer mess of speckled trout than that snared along the C.N.R. west of Capreol by Joe Eby (left) of Frodo Stobie Open Pit and his friend Orville Winters. The two expert fly-casters are seen with four of the seven beauties they reeled in.

## Triangle's Telephone

The Triangle has a new telephone number:

22192

Incoites with hot tips on news stories, and readers whose names we have spelled wrong, are requested to note the new number.