

# INCO TRIANGLE

VOLUME 7

COPPER CLIFF, ONTARIO, MAY, 1947

NUMBER 2



*Vacation Vista: A Turn in the Road Near Blind River*



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

Don M. Dunbar, Editor

EDITORIAL OFFICE COPPER CLIFF, ONT.

VOLUME 7 MAY, 1947 NUMBER 2

## HOW IS YOUR BRAIN-POWER?

After she saw him put the knife to an imaginary blueberry pie and wind up with 29 pieces as his solution to last month's brain-twister, Mrs. Frank Southern (Frood) decided that one pie should last just about a month in their house, instead of about an hour. Now Frank is wondering if puzzles really pay.

Correct number of pieces to be obtained with seven straight perpendicular cuts was 29, and first person to turn in that answer was Grace Pigg of the Mines Dept. at Copper Cliff. H. Severson, painter at Frood Mine, sent along a diagram showing how he worked out the puzzle but he got only 27 pieces. Joe Lupiak of the Copper Refinery plate shop was another who missed the right answer, but we're just as glad of that because he included an invitation to come around to his house in August for a feed of blueberry pie, and under those circumstances we much prefer a carver who thinks 14 cuts is enough to take from any pie, instead of one with a 29-piece viewpoint. Be seeing you in August, Joseph.

Sandburg, Allen & Co., of No. 2 Pilot Mill in the Cliff Smelter turned in the last of a long line of correct replies to the April forehead-wrinkler.

With the fishing season underway, the following puzzle is appropriate for May:

Two fathers, Tom and Dick, and two sons, Harry and Jack, went fishing. Each one's catch averaged as many pounds per fish as the number of fish he caught; and each family caught a total of 65 pounds. Tom caught one more fish than Harry, and Jack caught only one fish. Now, who is Jack's father?

### CURLING SWAN SONG

Swan song to curling was the annual post-season bonspiel staged in Stanley Stadium. A record-sized entry of 40 rinks kept the bescom an' stane artists going night and day to get through their draws.

In an all-Sudbury final of the first event, Cliff Edey skipped his crew to victory over Dan Jessup. In the second event Ed Webster, Sudbury, was winning skip over George Hazelden, Copper Cliff. Two Cliff lineups fought it out in the third event, Jess Morrison defeating Sammy Nute, Cliff club president.

Kept moving briskly and smoothly by a smart new card system which charted the complete draw in advance, the 'spiel was declared a rousing success.

### SUCCESSFUL SALON

Port Colborne is building a solid reputation as a mecca of the photographic art. More than 200 prints from some of the best non-commercial photographers of Canada, United States, Great Britain and several European countries were on display at the second annual international salon of the Port Colborne Camera Club. Subjects varied from wild life through landscape, animal, and child studies and still subjects, and attracted large crowds.

## SMOOTHLY PACED SHOW EARNs KUDOS FOR CLIFF SKATING CLUB



### PERFORMED IN THE RUSSIAN BALLET

Saluting Russia in "The United Nations" pageant at Copper Cliff Skating Club's annual carnival was a graceful ballet which won enthusiastic applause. The skaters taking part, pictured above, were: front, G. Lennie, J. Salo, and G. Montgomery; standing, R. Switch, M. Gladstone, E. Fox, C. Edward, B. Farrell, C. Ferguson, M. Gillespie, L. Beaver, J. Adams, J. Newstead, R. McGilvary, V. Digby, and M. L. Simcox.

A smoothly paced show that for two hours moved like a kaleidoscope of color and grace over the ice surface at Stanley Stadium won kudos for Copper Cliff Skating Club on April 18-19. The club's 11th annual carnival was a notable accomplishment in planning, training, designing, and artistry. Capacity crowds at all three performances said so with resounding applause.

### Juniors Score Triumph

The junior court, in which 125 young skaters took part, was a cleverly conceived portrait of the history of Canada from the days of the "Redskin Twilight". As the youngsters skated to their places in the pattern of the pageant, each group costumed to represent a stage in the development of the Dominion, audiences applauded repeatedly at the spectacle.

The commentary in the carnival program, written by Miss Evelyn Cook, juvenile librarian of Sudbury Public Library, added much to the effectiveness of the junior court.

"The United Nations" was the theme developed by intermediate and senior skaters in their part of the show, a striking series of tributes to the leaders of world freedom. South America, Mexico, United States, Great Britain, Russia, China, and France were all saluted in this group of clever numbers, with the local skaters showing outstanding talent.

### Fine Visiting Artists

The Ottawa professionals, Conyers and Kearney, left nothing to be desired in their flawless performances. Other visiting artists who impressed with their skill were young Miss Irene Keeley and Jack Bassett and Buzz Cook of Kirkland Lake Skating Club, and John Morrison and Bud Murray of the Granite Club, Toronto. The latter pair staged a very amusing "skating lesson".

Coniston Band played to perfection the difficult score specially arranged for the carnival by their gifted conductor, Dan Totino.

To President Bill Armstrong of the Copper

Cliff Skating Club, and his large corps of assistants, went hearty congratulations on a big and impressive show. A great deal of hard work behind the scenes is forgotten in the glamor and excitement of an event of this sort, but without it there could be no carnival.

### "Pro" Takes a Bow

Ferdinand G. Chait, who became the club professional last fall, could well be proud of the results of his teaching, so evident throughout the performance. There was a marked improvement in the general calibre of the skating, for which he could take one of his best European bows.

### SIGNS OF A SAFE WORKER

He usually does more thinking than talking.

He takes time to figure things out and is pretty certain he is right before proceeding.

He is never a chance taker; on the other hand, he is not afraid.

He eats three square meals a day and takes his time about eating them.

He sleeps as soundly as Rip Van Winkle, but limits his snoozes to about an eight-hour trick.

He always dresses neatly — even in overalls.

He works without lost motion.

He thinks without lost motion, too, and sticks to one idea at a time.

He never dodges responsibility; rather, he welcomes it.

He is as cool as the proverbial cucumber.

He plays a "give and take" game in all matters of co-operation.

He believes in playing square with his fellow men.

He has no use for those who scoff at Safety.

He is always careful.

## Inco Inter-Plant Champs



Here's the Frood First Aid team which captured the Inco inter-plant championship and the R. D. Parker Shield for 1947 with a convincing all-around display of St. John Ambulance work. Standing are V. Laporte, captain, N. Morrow, M. Young; seated, F. Southern and W. Hartlein, with George McPhail, coach, holding the shield. Presentation of the coveted award was made by J. R. Gordon in the absence of R. D. Parker.



In this second picture of the Parker First Aid competition, the crack Coniston team is seen in action on the floor working over the two patients who had to be treated in the complicated and tricky test. Members of the Coniston lineup were A. Beauparlant, captain, E. Albert, A. McLean, and B. Henderson, with Roy Smith as coach and A. Rivard as spare.

It is not the first mile-post but the last that tells the story; not the outward-bound steed, but the one on the home-stretch that we note as victor.—Frances E. Willard.

Men do not care how nobly they live, but only how long, although it is within the reach of every man to live nobly, but within no man's power to live long.—Seneca.

## Hilarious Antics at Refinery Athletic Association Party

In a dressing room preview of the dire events to follow, "actors" from the Copper Refinery gave the Triangle camera an unusual lensful at their Athletic Association's annual party in the Inco Employees' Club.

Piece de resistance of a great evening's fun was the stage skit in which an unfortunate citizen, surrounded by sundry domestic and transient disturbances such as a baby and an inebriate, developed a nocturnal toothache and underwent heroic treatment for same.

### Gabe Did the Drilling

The picture gives some idea of the hilarious slapstick. On the left is the obstreperous infant, Charlie O'Reilly. About to strike dental ore with a wicked-looking drill is none other than the angel Gabe himself, complete with wings and rather convincingly impersonated by Herb Grattoni. In the top hat is the gent who, supposedly in his cups, wandered by and compli-



cated proceedings; taking this attractive role was Dave Scott. The patient in this instance was the winsome little maid with the mop of hair, Jimmy Tosto. Largely responsible for the script was Ted Harber.

Program at the annual party was opened by popular President Mel Luck with a brief address of welcome. The Cowell Shield for bowling was presented by the donor, affable Don Cowell, to the Tankhouse Nomads: Fred Cooper (captain); Fred Sheridan, John Tallevi, Bill Solomon, Jim Tosto, Jimmy Smith, Mark Lawson, and Ernie Holgate. In the absence of donor Alex Kerr, the Kerr bowling trophy was presented by Mel Luck to the Millwrights: Albert Ross (captain); George Blais, J. Twardy, J. Dion, J. Luptak, and R. Howard.

### First-Aiders Honored

Refinery's first aid champions came in for some well-merited recognition. Gordon Hubbard, coach of the team which represented the plant in the surface semi-finals for the R. D. Parker Trophy, received a pencil set from the Athletic Association, presented by Frank Scott. Presentations were also made to the first aid team which won the F. Benard Trophy, emblematic of the plant championship: Frank Scott, Jack Latrelle, Gilbert Walsh, Bill Toleck, Connie Smythers, and Gordon Hubbard (coach).

Dancing followed the entertainment and presentations. There was a splendid turnout, and no refunds were requested.

### PORT BOXERS SHINE

Led by solid-swatting Ray Leveare, Ontario bantam-weight champion, three Inco boxers have been making names for themselves in Niagara Peninsula fistcrafts. Jerry O'Neill and Rolly Methot are the other biffers who have rung up clean-cut decisions in recent bouts.



## 450 Still Active Started With Inco in 1922 or Earlier

THERE are more than 450 active Inco employees in Canada whose service records with the Company commenced in 1922 or earlier. At the head of this roll of honor is J. W. Gallagher of the Stores Dept. at Copper Cliff, who started his Inco career in April of 1902, a round 45 years ago. Next is O. Gatten, of the Cliff smelter, who started in 1905. Longest record at Port Colborne is that of J. R. O'Donnell, who joined the Company in 1906.

Following is a list of the veteran Canadian employees, grouped according to the dates on which they commenced Inco service:

### 1902

Copper Cliff: J. W. Gallagher.

### 1903 — 1907

Copper Cliff: A. Brooks, P. Paddock, O. Gatten, J. E. McKerron, T. A. Wulff.

Open Pit: A. Switch.

Frood: S. Webster.

Port Colborne: J. R. O'Donnell.

### 1908 — 1912

Copper Cliff: G. Ceppetelli, C. Leonarduzzi, A. Perlini, G. Hildebrandt, E. Knight, E. McKerron, E. Stoddart, E. C. Lambert, F. Dubery, R. L. Beattie, W. Balmforth, A. J. Bray, D. Hutchison, W. W. Chapman, R. C. Crouse, W. Dopson, J. Kidd, J. M. Lawson, A. McIntyre, S. C. Smith, H. M. Stephenson, L. J. Thomas, R. C. Barnes, A. F. Brock, H. K. Clark, R. M. Coleman, R. A. Elliott, H. W. Feldhaus, G. M. Ferguson, D. Finlayson, W. E. Gillespie, R. H. Kenst, T. H. Rowe, W. T. Waterbury.

Coniston: M. Leclair, O. N. Hickey, E. Leclair, P. Kilumnik, P. Petryna.

Garson: J. Bell, J. Brodie, A. McAllister.

Huronian: A. Prentice.

Open Pit: O. Rintala.

Frood: W. S. McKenzie.

Creighton: J. Behenna, E. Kiviahio, J. Dingwall, J. W. Brown.

Port Colborne: J. S. Allen, Robert White, J. C. S. Wilson.

### 1913 — 1917

Copper Cliff: W. Rivers, A. Lehtonen, G. Moroso, E. Longarink, J. Powlesland, J. P. Clement, E. Lauzon, H. Moore, J. Duncan, J. Bello, E. Minardi, J. Maki, C. Lyons, W. Burchell, G. Kuryk, A. Pokay, W. Yeo, F. W. Heale, J. Martin, M. Paganucci, M. Horrick, J. B. Stone, A. Mash, G. Rupoli, I. Pilon Sr., H. Tombs, O. Bertrand, C. Brownlee, C. T. Cummings, T. B. Flynn, H. Hyland, E. Morelli, R. E. Overa, T. D. Price, A. J. Simmons, H. Trotter, W. Acheson, T. J. Birney, W. C. Campbell, C. C. Chapman, K. S. Clarke, C. D. Ferguson, W. H. Soule.

Coniston: A. Fera, W. Johnson, F. J. Cresswell, W. Squires, T. Tancredi, P. Zanatta, H. Rivard, E. Oullette, D. Forestell, A. Prenol, G. Chezzi, P. Belanger, A. Ethier, R. Morehead, D. Onucki, A. J. Nesbitt, G. Pantin, A. Colquhoun, F. Franchetto, G. Geoffrey, A. Halverson, H. P. Pigott, E. Valiquette, P. R. Parker.

Garson: N. Danchuk, A. Lye, N. Matson, A. Tovala.

Huronian: W. N. Wainman, C. C. Phillips.

Levack: T. Kauppinen, E. Myhill, C. E. Lively.

Open Pit: H. L. Walker.

Frood: G. Blackmore, R. L. Martin, P. Putura, L. Marois, B. Krauszonyk, P. W. Martell, H. M. Rinder.

Murray: K. Duka.

Port Colborne: J. J. Jennings, W. J. Freeman, P. D. Gallinger, R. A. Hughes.

Creighton: W. Wilson, B. Davey, M. Sochowski, P. Pusamiek, C. Saari, W. Blackwell, T. Campbell.

### 1918 — 1922

Copper Cliff: G. Montesi, L. Lewis, A. Ugucioni, D. O'Reilly, H. Cobbold, A. Antonioni, J. Bowers, P. Bowers, G. Biondi, T. A. Fraser, C. Cristiano, D. Salvetti, R. Canapini, O. Leclair, R. J. Harkins, W. Buchan, E. Morsey, H. Phillips, E. Wilson, G. Didone, J. Bowers, W. Fex, C. Parker, W. Gegeat, A. Hughes, P. Mae, J. McNeil, R. Dopson, A. Yandon, J. Cullen, W. Hodgins, G. Zinkie, A. Mei, J. Shrigley, O. Salo, J. Hradowy, J. Paquette, F. Rogers, T. Harkins, E. Wright, O. LaLonde, E. LaLonde, J. Lineham, J. Hudson, W. Boyle, J. Frost, J. T. Gennings, L. Hamilton, W. H. Lattinville, L. A. Lawson, P. Morelli, W. Rogers, M. E. Somers, P. Stedman, J. Thomson, P. E. Wolfe, J. C. Wulff, M. J. Farrell, A. Godfrey, P. J. Morrow.

Coniston: C. Rousel, T. C. Bryce, P. Marcon, W. Evershed, A. Sabourin, B. Comacchio, G. Comacchio, E. Bray, G. Vientin, V. Tonolo, E. Zanatta, L. Gauthier, A. DeSloges, E. Poirier, J. Sorocka, E. Levesque, P. Brycay.

P. Spencer, B. Drill, G. Antoniazzi, W. Curlock, W. Shalstynski, P. Lalonde, P. Modzik, N. Radomski, M. Beni, S. G. Smith, H. Levesque, M. Citko, M. Cirolanette, J. Solski, J. Stozuk, N. Irelia, H. W. Bassett, W. J. Bray, C. J. Fortier, G. Gobbo, R. Lemieux.

Garson: R. Jack, A. Grande, V. Devuono, J. Donnelly.

Levack: P. LaCruz, E. J. McNamara.

Huronian: E. R. Went.

Open Pit: E. J. Miles.

Frood: E. Yureczko, M. Fior, E. Mason, H. Dimes, R. Pascoe.

Creighton: M. Johnson, O. W. Simpson, A. DiFilippo, R. H. Brooks, N. McDonald, A. Nelson, H. Pilon, A. Saari, A. Menard, J. Corneenik, D. Dumencu, E. J. Pitman, T. J. Mulligan.

Port Colborne: A. L. Weaver, Edw. C. Grace, G. C. Beck, Wm. A. Duke, H. McDonald, C. E. Wolfe, D. Concessi, L. Chonka, R. Toole, A. Godin, E. Noyes, J. F. Ross, A. A. Richardson, H. A. Houser, H. L. Schooley, R. A. Wilson, Geo. J. Parker, J. J. Weedmark, R. J. Williams, R. Dobson, T. Petroff, J. L. Spencer, T. Simmons, H. Mardon, A. Willett, L. R. Pew, Edw. H. Cooke, A. Lewis, Wm. Beswick, J. Coopman, Wm. Mahagan, P. R. Hammond, L. Crumb, S. Wakunick, A. Byng, P. Godak, A. Concessi, P. Ruzyski, A. Mathew, Thos. Lee, M. Tupechka, P. Guillos, W. McDonald, Jas. Emburgh, G. Concessi, W. Jarram, J. McIntyre, Jos. Byng, I. Royal, V. A. Lynden, J. Norton, P. Boggio, J. Petruniak, A. Emburgh, O. Sale, T. Christie, J. Warren, H. Beck, Wm. Crabbe, J. Ewasnik, A. Steczuk, Geo. Worthington, G. Saudell, G. Nurisso, C. Daubney, R. Karpinchik, Geo. Hall, W. Eden, L. R. McGratten, Jas. Williams.

## N. O. Intermediate Champions



Coached by Frankie Graham, managed by J. Dingle, and prexied by Al Wellblund, the Canadian Legion hockey team journeyed through the winter in the senior Nickel Belt Company. When the playoffs came around they put on their intermediate uniforms and went through with flying colors to the Northern Ontario championship. Had a showdown with the South been possible, the wire money says they'd have won.

Above is the team: Back row, right to left, P. Graham, coach, W. Edwards, goal; J. Dingle, manager; J. Vanier, P. Nazar, D. McNabb, B. Kearney, A. Knapp, N. Miles, A. Wellblund, president; N. Silverson, A. Ramner, trainer; front row, right to left, P. LeBorgne, mascot; D. Vallancourt, P. Rogers.

L. Prete, J. Hamilton. Reserves not photographed: D. Moreck, D. Vandicoff, E. Fournier.

### REMEMBER

That one moment of thoughtlessness may mean a lifetime of regret.  
That nature does not provide mankind with any spare parts.  
That no compensation cheque is big enough to relieve an aching heart.  
That it profits you to be on the pay roll instead of on the compensation roll.  
That few men have ever negotiated the ladder of success on crutches.  
That the road to Easy Street does not lead through first aid stations and hospitals.  
BE CAREFUL AND BE HAPPY!



## CONISTON ARE SHIFT CHAMPS

Bursting out in a five-goal scoring rash in the final stanza, after two periods had gone scoreless, Coniston defeated McNeices of Copper Cliff Smelter in a sudden-death struggle for the Inco inter-plant shift hockey championship at Stanley Stadium.

It was the second year in a row that the close-checking Coniston team took the title and the Cochrane-Dunlop Trophy. Once Lionel Spencer slapped the puck past Leipala at the five-minute mark of the third period, nothing could stop them.

To qualify for a final berth in the inter-plant event, McNeices had to fight their way through a tough shift schedule at the Cliff. They won the trophy donated this year by Jimmie Nemus.

At top the McNeice team receives the trophy from Jimmie Nemus: front row, left to right, J. Nemus, Curly Scanlon, (captain), Peter Gervais, Jim Trosvick, Artie Wulff, Leo Mathe, A. Edmond, Jack Newell; back row, "Specs" Telford, vice-president of the shift league, R. Forest, Mickey Carmichael, Ed. Panke, Herb Eastwood, and Bert Somers. Kneeling, Toby Leipala.

At bottom the inter-plant champions pose: front row, Oscar Jones, Andy Halversen, Leo Oliver; middle row, Hector Barbe, Geno Gobbo, Lionel Spencer, Norman Barzaoui; back row, G. Gervais, F. Fioriani, Art Gobbo, A. Barbe.

### FIRST ANNUAL BANQUET

Francis Kortright, president of the Hunters and Anglers Society of Toronto, and an internationally known authority on ducks and geese, was the guest speaker at the first annual banquet of the Copper Cliff Rod and Gun Club.

Held in the Italian Hall, where heaped plates of chicken and spaghetti burdened the dining tables, the gathering drew a large attendance. The speaker's illustrated address proved highly informative.

Membership in the Rod and Gun Club is now well over an enthusiastic 200, some 75 of whom will assist in planting a large number of fingerlings in fishing waters of the district. Others will help plant natural duck food in selected areas.

### OOPS THERE, HIRAM!

Then, of course, there was the unthinking husband in a small town who was only half listening to his wife who was doing a very feminine-like job of clawing the local belle into tiny shreds. "Do you know," she said, "that brazen Miss Vamp boasts she has been kissed by every married man in town except one?" Her husband absently replied, "I wonder who he is?"



## Frank Gallinger Has Wide Range of Inco Memories

A second-generation Incoite who first saw Copper Cliff in 1896, once worked at the Bayonne plant, and has been at Port Colborne Refinery since 1917, Frank Donald Gallinger sort of knows his way around this Company.

Son of Theodore Gallinger, Frank was born at Glenwood, Minn., in 1890. Six years later the family took a trip to the old Gallinger home near Cornwall. On the return trip, as the train stopped at Warren, an enterprising employment agent for George Gordon Lum-ber Co. persuaded the elder Gallinger to stay over for a spot of lumbering. Six months later, as news spread of the Copper Cliff development, the family moved up the line and settled in the little mining camp. By such whims of fortune and circumstance did many of the nickel industry's original families become connected with it.

### Sleigh Dogs and Swimming

Of his boyhood days in the Cliff, Frank has lively memories. It was pouring rain the night he and his parents rode in Phil Green's stage from Sudbury over the muddy trail to their new home. The pall of sulphur smoke which hung over the camp was something he'll never forget. For sport, winter saw most of the kids in town racing their sleigh dogs, and summer found them at the swimming hole up by the small dam. As he grew older there was lacrosse and hockey.

He remembers when carbide lamps first glowed with electricity from the Cliff's first lighting plant, and says there must have been 100 people standing around to witness that historic event in 1902. Charlie Ade was the first operator of the plant. But one of Frank's biggest thrills was on the 24th of May of 1898 when a hand-drilling contest was staged in the big field back of Park St. Hucky miners from Stobie, Evans, and Copper Cliff No. 1, in two-man teams, stripped to the waist, strove mightily to "double-jack" their steel farthest into a big rock in the centre of the field. After that the hampers were opened, and there was the picnic.

### Stars at Lacrosse

Of the great lacrosse players of the district in those days Frank recalls Bobby Pringle, who married one of Postmaster Bill Kilpatrick's daughters. He was a third home man. And there was Dad Barlow, a locomotive foreman, who played second home, and Ed Dunn, who was centre. Copper Cliff played against Sudbury, the Canadian Soo, North Bay, and Sturgeon Falls, and in the C.L.A. finals competed against the famed teams from Oshawa, Orillia, and Orangeville.

Harriett Ann McDonald, to whom Frank was married in 1909 at Sudbury, herself had an intimate connection with the nickel industry. Her father, John McDonald, and Jas. McArthur, uncle of George Craig, tapped the first pots of matte at the East Smelter. Her grandfather and uncle, who had been two of the first miners at Copper Cliff, were both killed by falling rock at the old Blezard Mine.

### Started As Office Boy

Frank's career with the Company commenced in 1903 as an office boy at the West Smelter, from which he graduated to the electrical department. The year 1915 saw him away to Tennessee Copper Co. as asst. electrical supt., and after a year there he moved to Lennox Sawmill Co. in Kentucky in a similar capacity. Then came his first contact with Inco, at the Bayonne, New Jersey, plant. Two months later he was at Port Colborne Refinery as electrical foreman, but his wide experience in general mechanical



FRANK GALLINGER

maintenance was soon recognized and he became assistant to Ed Dunn, master mechanic, whom he ultimately succeeded.

Frank and Mrs. Gallinger have the following family: Dorothy (Mrs. Elery Neff), of the general office at Port Colborne; Audrey (Mrs. Gordon Reid) of Bracebridge; Florence (Mrs. Russell Putney) of Port Erie; Frank, machinist in the plant; Keith of Bracebridge; Don, of Boston Bruins hockey fame, who in summers operates a resort at Long Beach.



*Purifying Electrolyte  
At Port Colborne*



*Scenes in Nickel Refinery's Pachuca Department*



# Removing Iron and Copper Is a Tricky Assignment

**E**ACH 500-lb. anode fed to the electrolytic tanks in Inco's nickel refinery at Port Colborne contains about .78% iron and 3.2% copper. The liquor or electrolyte which is continuously circulating through the tanks picks up these impurities, and if they are not removed they are inclined to nose their way into the cathodes. Inco's customers for pure nickel would take a very dim view of the presence of these two interlopers.

The method of removing the iron and copper impurities from the liquor requires a system of huge tanks, pumps, pipelines, and steaming vats that would make a swell setting for an Alfred Hitchcock thriller.

For each of the 156 electrolytic tanks, requiring 3000 cu. ft. of purified electrolyte per hour, there is a corresponding purification train for removing the iron and copper "vags" picked up from the anodes during the plating cycle.

## Special Alloy Pumps

First step is to get after the iron. From the plating tank the impure electrolyte passes through launders to holding tanks from which it is pumped up into oxidizers. To handle this highly corrosive material the pumps are made of a special nickel alloy developed by the Inco research departments at Port Colborne and Copper Cliff.

In the oxidizers the liquor is blown vigorously with air at 15 lbs. pressure. The iron is oxidized and is converted from a soluble to an insoluble state. It is kept in suspension by aeration while the liquor passes through four oxidizing tanks to ensure complete iron removal. Then the liquor is transferred to presses, described in our issue of July, 1946, where the iron slimes are filtered out. They are dried and shipped to Copper Cliff for removal of what nickel they may have picked up in their travels.

Now the liquor has been cleaned of all but an infinitesimal amount of iron impurity. Next step is to get rid of that copper trouble-maker, and he takes a good deal more "bouncing" than his pal.

## Name from Mexico

Removal of the copper impurity is done in a series of cylindrical, conical bottom, wood tanks, each 12 ft. in diameter by 30 ft. in height, and known as pachuca tanks. Derivation of the name is Mexican. Up the centre of each tank is a suction pipe, also made of the special nickel alloy developed through Inco research. Introduced to the tank, the liquor is kept agitated steadily by the suction pipe, and reduced nickel, a black finely divided nickel powder, is added.

Overcome by a fatal fascination for the reduced nickel, the copper impurity is plated or cemented out of the liquid and falls by the way-side in metallic form. The experts will tell you that this is a result of the "electromotive series".

After going through four first-class pachuca tanks and a settling tank, the liquor is ready for another battery of presses where the revert copper cement is filtered out.

Pepped up with a dose of various ingredients which have been depleted in the process, and tested to make certain it is ready to do a thorough plating job once more, the purified liquor heads back to the electrolytic tanks.

## THE PICTURES

In the picture layout on the opposite page are seen some of the steps in the purification process.

In No. 1, George Burke is dumping a pailful of reduced nickel into a pachuca tank.

In No. 2, it's not the cocktail bar you're looking at, but a scene at the long testing table where periodic checks are made of the liquor going through the process to determine whether sufficient reduced nickel is being added to remove the copper. The tests are made in separation funnels; seen shaking up samples are Roy Marr, Bob Patterson, Stan Minor, Grant Mitchener, and Allan Rion.

In No. 3, Ernie Arnold watches the purified liquor emerging from spigots along the bottom of a press and starting back to the electrolytic tanks.

In No. 4, Charlie Burke checks the operation of a settler pump. In the background loom some of the big pachuca tanks.

In No. 5, Otto Kramer takes a sample from one of the oxidizers to make checks on how things are going with the iron removal. Constant checking of many factors is vital to the success of the process.

## FUTURE OF SUDBURY

The future of Sudbury is closely interwoven with the future of the nickel industry. W. E. Mason, publisher of the Sudbury Star, said in an address to the Lion's Club.

"We are on the threshold of a great and glorious alloy age," the veteran publisher said. "Nickel will play the leading role. This future of nickel is the future of Sudbury."

## GET LIFE MEMBERSHIPS

James Norquay, Ferdinand Gervais, and Frank Parker have been made life members of the Coniston Fish and Game Protective Association. Presentations were made at the highly successful annual dance of the Association.

## COPPER CLIFF LOCALE

A story by Hal Masson in the magazine section of the New York Herald-Tribune for March 29 has its locale in Copper Cliff. Titled "400 Feet Up", the yarn is wound around an incident during construction of the big brick stack at the smelter.

## CREIGHTON ON ITS TOES

Planning a full summer's activities, with emphasis on local competition, Creighton Mine Athletic Association at its annual meeting

## PLAYMATES BELONG on the PLAYGROUND



elected the following hustling group of officers: Stan Dobson, chairman; Everett Staples, treasurer; Ted Whiting, secretary; Gordon Luck, baseball; Frank Donnelly, softball; Mel Davis, tennis, track and field; Bill Wellington, football; Mickey McGlashen, hockey; John Krystla, membership; John Connors, entertainment; Norman Gostro, publicity; Earl Mumford, superintendent of the Creighton Mine, is permanent president of the association.

## ANNUAL CLUB PARTY

The annual club party, a popular event at which the members compete in a variety of events during the evening, will be staged at the Copper Cliff Club on May 16. Presentation of the Lambert Trophy for bowling will be another feature of the program.

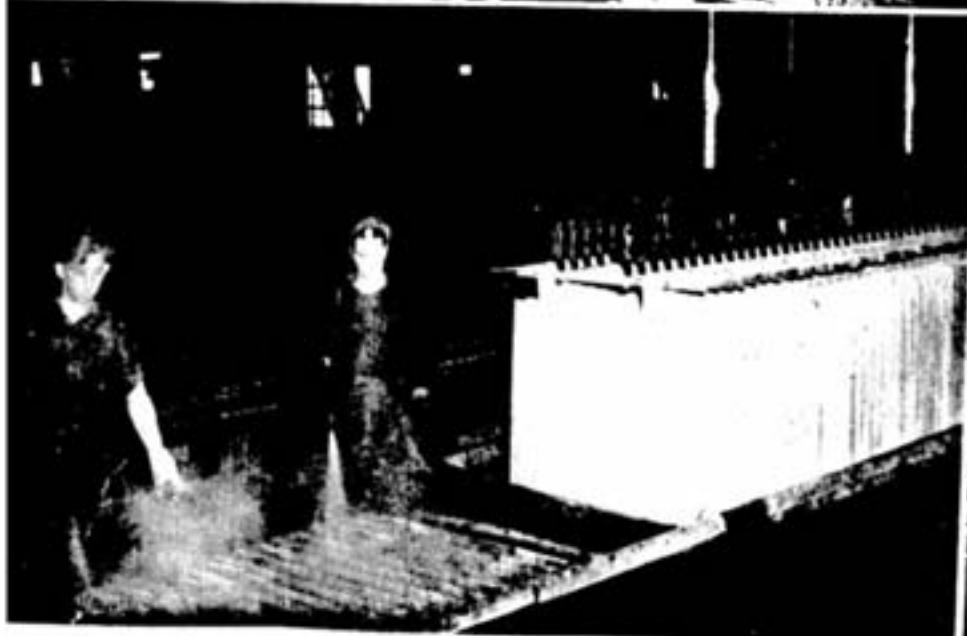
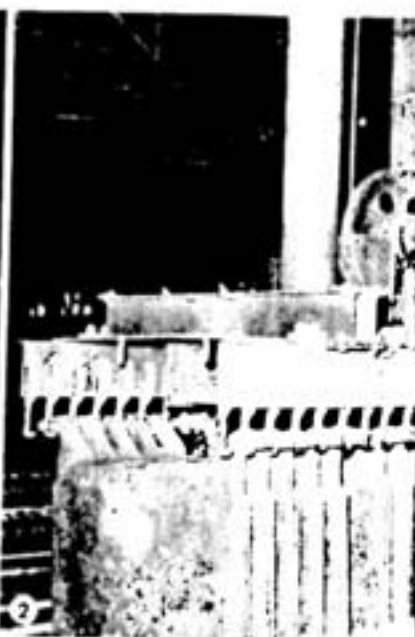
Special dinner nights for members are also being arranged at the club.

Sunday evening, April 27, saw the last of the concerts which have drawn capacity audiences this season at the club. Arranged by R. C. Barnes, they have provided pleasing entertainment by local artists.



## PORT COLBORNE LADIES SHOW HOW

Top in bowling style is demonstrated by four fair trundlers in the mixed league at the Recreation Club, Port Colborne. Left to right: Mrs. Gordon Lindsay, Mrs. Elgin Pettingill, Mrs. Charlie Rogers, and Mrs. Bill Wegrich.





## Tank-House Operations in Copper Refining Division

**E**LECTROLYTIC copper refining operations at Copper Cliff are performed in the tank house, a huge fire proof steel and tile structure which occupies over 163,000 square feet of floor space. This building houses heating tanks, solution storage and circulation equipment, and 1,350 antimonial-lead lined concrete tanks, wherein cathode copper of high purity is produced by electro deposition. Separation is also effected of the impurities originally present in the anode metal.

The tanks are 11 ft., 3 in. long, 3 ft., 6 in. wide, by 3 ft., 9½ in. deep, inside dimensions, and when charged for "commercial" deposition each contains its usual complement of 38 anodes and 39 cathodes. Sulphuric acid, copper-nickel sulphate electrolyte is circulated through each individual tank and suitable bus bars are provided for transmission of direct-current to promote electrolysis.

### 28 Days in the Tanks

Regular anodes, cast from "blister" copper received from the smelter, weigh approximately 500 lbs. These remain in the tanks for 28 days, during which time two crops of cathodes are produced. Cathodes are pulled every 14 days, when a weight of 265 lbs. is attained by deposition of pure copper on the starting sheet provided as a basis for deposit. At the end of the run, following the removal of the second crop of cathodes, anode scrap is pulled, washed and reverted to the anode furnaces for remelting. Insoluble impurities, which have collected in the bottom of the tanks, are then flushed out and treated in a separate section.

The pure copper cathodes, after having been washed free of electrolyte, are sent to the casting department for remelting and production of wire bars, cakes, billets or ingots; or, if in demand by the trade, are sheared and shipped as cut cathodes.

### Pictures Tell the Story

The photographic layout illustrates some of the operations involved in tank house practice. Photo No. 1 shows Steve Moore trimming flus from the anodes as cast, while Jimmy Tosto pounds the suspension lugs so that the anodes will hang vertically in the tanks and also make good electrical contact when resting on the tank bus provided. Photo No. 2 indicates the method of charging a tank with anodes. In this particular view "stripper" or heavy weight anodes are being lowered into a unit for the production of starting sheets; commercial production tanks are charged in a similar manner. The crane-man is John Katulich, while Arthur Ginchich aids in centering the load in the tank and properly spacing the anodes.

The method of hanging starting sheets is shown in Photo No. 3. Fred Gryko is clamping the starting sheet loops on the cross rods, Bill Kennedy is seen passing sheets, while Eddie Levers is inserting the sheet between anodes. As previously mentioned these pure copper sheets, formed by electro deposition in a separate stripper section, provide the base for the cathode deposit. Photo No. 4 illustrates an operation known as sheet flopping. During the period of initial deposition, sheets with their new deposit are periodically withdrawn and straightened on the flopping racks. This procedure is necessary to minimize current leakage due to "shorting" of warped or bent sheets. G. Courtemanche and J. Terroto are shown straightening a 48-hour cathode.

### Tank-Load at a Time

Upon completion of a normal 14 day deposition cycle, cathodes are withdrawn by means of staff-lev cranes and racks capable of handling a complete tank load at a time. They are removed to the wash tanks for removal of surface electrolyte and crystallized bluestone at the looms. L. Brook and L. Lummi are seen performing this operation in Photo No. 5. In No. 6, the cathode unloader is in service removing

the cathodes from the crane rack for subsequent transfer to a narrow gauge car. A. St. Amant removes the suspension rods while W. Mahley operates the unloader. The crane operator, J. Lamondy, is not shown. The copper cathodes of 99.97% plus purity are next transferred to the casting department for either shearing or remelting.

## Clarence Viau is Swim Instructor

Formerly swimming instructor at the Clarendon Laurier in Ottawa, Clarence Viau has been engaged to instruct classes at the Copper Cliff Club pool this season.

Classes for girls and boys, 8 to 12 years of age, will commence May 1 and will be held each Saturday morning. Royal Life Saving classes for girls and boys, 13 to 15 years of age, are being held on Wednesday afternoons, commencing May 6. Special sessions in the club pool for older girls and boys and classes for adults, are being arranged. Privilege cards for all these events must be obtained from the Club Secretary, and members wishing them should see Miss R. Owens at the general office.

Mr. Viau has been a member of the Inco force since last fall, and is employed in the sample house at Copper Cliff.

## New Film On the Nickel Industry

"Nickel Tales", a new film on the nickel industry, had a twin Canadian theater premiere at the Regent and Grand theaters in Sudbury on March 21, April 1 and April 2.

This short subject shows how much nickel is a part of our daily lives and how closely it is associated with world progress.

Beginning with animated cartoons of well-known fairy tale characters the story takes one from the magic of Aladdin's marvelous lamp to the great Sudbury nickel mines and then shows how the metal nickel has come forth in the world of reality, progress and advancement to create even more fantastic benefits to mankind.

Underground and open pit mining scenes at Inco are credit by the camera.

Norman Brokenshire, well-known radio and film commentator, who acts as narrator, points out that through nickel's important place in the fields of transportation, communication and industry in general our lives of travel, work and relaxation are richer, more comfortable and more enjoyable—whether the means be great or small. He adds that the greatest nickel deposits in the world at Sudbury are major factors in the development of a more advanced, secure world.

### IMPROVING WITH PRACTICE

Mother: "Why, Vernon, are you squinting in the fish bowl?"

Vernon: "No, Ma, but I'm craning pretty close."



# Retirement Beckons Three More



W. J. TREZISE

D. J. THOMPSON

D. COPPO

Three more veterans of Inco service retired on pension recently in the persons of W. J. Trezise of Copper Cliff, Doug Thompson of Garson, and Diego Coppo of Coniston. They're photographed above, and here are brief biographical sketches of them:

## W. J. TREZISE

The men of the Copper Cliff machine shop will get a kick out of the above picture of Bill Trezise, snapped in a characteristic pose as he rolls a fag from the familiar sack of Bull Durham.

When Bill retired on Company pension May 1, his credited service of 34 years and nine months included a long and successful career as shop foreman, a position of real responsibility which he handled with a maximum of efficiency and a minimum of fuss. Popular with the men under him, he had their confidence and co-operation at all times.

Born in Champion, Mich., on March 11, 1882, Bill came to Copper Cliff first in 1903 but remained only nine months before returning to the States. About 1911 he was back for another six months in the rarified atmosphere of early Copper Cliff. In 1912 he decided to locate here permanently, and started as a machinist under J. W. Garrow. He succeeded Bill Fraser as shop foreman.

He was married in 1913 at Copper Cliff to Edith McGee, who died in 1944. Members of his family are Ronald, Billy, George, and Mrs. Terry Bradbury of Toronto. All three boys enlisted in the Canadian forces in the last war.

Active in sports in the early days at the Cliff, Bill recalls many athletic highlights, but none gives him a bigger chuckle than the old baseball games on May 24 between the Pats and the Leans, with such performers as E. C. Lambert and J. W. Rawlins performing for the former and Alf Wulff and Charlie Cummings for the latter.

Bill will reside in an apartment in Sudbury, and will confine his athletic activities to bingo and fishing. An ardent devotee of rod and reel, he expects to get great joy out of the classy new fishing outfit the boys of the shop presented to him as a farewell token of their esteem.

## D. J. THOMPSON

Although he didn't hook up with Inco until 1926, Douglas J. Thompson became widely known and popular among his fellow employees.

Son of a fisherman, Doug Thompson was born at Gaspe on Sept. 23, 1880, and spent his earlier years as a lumberman and also as a guide for parties of sportsmen. He is one of the few really accomplished fly fishermen in the Sudbury District, to which he came in 1923.

His first employment with Inco, in the fall of 1926, found him helping with construction at Frood No. 3 Shaft, first on the laying of the pipeline from Whitsun Lake to the mine and then as a carpenter and collar house. There-

after he worked at Levack for four months, and then transferred in 1936 to Garson, being employed successively as timberman, pumpman, and powderman. He retired on pension on March 17, and is at present staging a great comeback in health from a serious surgical operation. He can't say enough for the doctors and nurses at Copper Cliff Hospital.

Mrs. Thompson's maiden name was Theresa Jane Ascar and they were married at Gaspe 39 years ago. "That's a long time with one woman," Doug says. "I don't know how she ever stood it." Of their family, Lloyd has been with Inco for 18 years and recently transferred from Levack to Frood; Mary is Mrs. Metcalfe of Huntsville; Watson and Marian are employed in Sudbury, and Warren is with the telephone company at Copper Cliff. There are seven grandchildren.

Doug plans many happy hours of leisure at fishing, or fiddling at carpentry in the workshop at Ed Carter's garage. His skill as a carpenter is evident in many attractive pieces of furniture he has made for his home. He is fond of reading, and is a very contented citizen when he is lounging in his easy chair with his pipe and a good book.

## DIEGO COPPO

This well-known member of the Coniston force was born in Italy on March 2, 1882, and came to Canada in 1913 to join Mond Nickel Co. at Victoria Mine. When the smelter was moved to Coniston he just naturally moved with it. Except for the last year of his service, which he spent as a dryman, he was employed steadily in the smelter.

Married in 1912 in Italy to Theresa Barbera, he is the proud father of five children: Guillermo, Coniston; Marie, Toronto; Blanche (Mrs. M. Pacoud), Welland; Norma (Mrs. S. Camp), Levack; Aldo, who is employed in Copper Cliff Smelter but resides with his parents. There are seven grandchildren.

Diego will continue to reside in Coniston and will divide his leisure time between his garden and his rabbits. A steaming rabbit stew is a favorite delicacy in the Coppo home, and the man of the house intends to make certain of a supply of raw material.

Diego retires on pension with the fine total of 33 years and two months of credited service, and a record of steady and faithful service to the Company.

Better a pat on the back while living than a bucket of tears on the face when dead.—William L. Brownell.

# Creeping Killer A Deadly Enemy Of All Motorists

"One of the great hazards of carbon monoxide is that it gives no warning of its existence," states a pamphlet headed "Carbon Monoxide the Creeping Killer."

Warning that carbon monoxide does not come only from the exhaust of motors, but exists, in some degree, in all industries and every home, the pamphlet says, "It is vital to remember that continuous exposure to a very low concentration of carbon monoxide, over a sufficient length of time, can produce the same toxic effect as short exposure to higher concentration."

As the most common form of carbon monoxide exists in garages and in the use of automobiles, the pamphlet lists preventive measures for this hazard, as follows:

1. See that there is reasonable ventilation in the garage.
2. Do not run the engine in a closed garage.
3. See that the carburetor and motor are in proper condition, so that there will be a fairly complete combustion of fuel.
4. All cars should be inspected regularly for leaky exhaust connections, loose and broken floor boards, exhaust pipes and mufflers.
5. See that the exhaust pipe extends beyond the rear end of the body of the car.
6. See that there is reasonable ventilation in your own car, and avoid sealing the car by closing all windows and vents.
7. Get out of your car and into the fresh air at the first sign of headache, smarting eyes, dizziness, sickness or drowsiness.

## SMART FIRST-AIDERS

A very smart demonstration of First Aid was given by Oatchell and Copper Cliff Boy Scout teams in annual competition for the Scout Association trophy, the Cliff entry winning by two and a half points.

Winning team: Melvin Fielding (captain); Albert Dunn, Tom Mossey, Dick Hobden. Losers: Charles Mitchell (captain); Cecil Brown, John Kennedy, Darwin Howard.

Veteran first-aiders were astonished at the skill and knowledge of the youthful experts.



## RONALD McDONALD

Ronald William is the young son of Tom McDonald and the late Mrs. McDonald of Coniston. He is at present residing with cousins in Vancouver. Nineteen months old, this bright looking fellow has two sisters living in Coniston, Laura Jane, age 15, and Gail Marie, age 12. They think he's some guy, too.

## Levack Plans Gala Event to Receive Ryan Trophy



Preparation for the big Levack Safety Show on May 11 was the business of this committee: left to right, Darwin Storey, Ed McVior, Earl Gilchrist, Jack Stephenson, Tom Klerans, George Ruler, Gordon French, Bill Lawton, Lloyd Davis, and Neil George.

## Dr. Camsell to Present Award

As Triangle goes to press a highly important function is being arranged for May 11 at Levack Mine—presentation of the Ryan Award, emblematic of the safe-mining championship of Canada which Levack won on its record in 1946.

Inco mines took five of the six first places in the Ryan contest for Canada, and all five first places in the regional competition for the province of Ontario, so the event at Levack on May 11 will be an occasion for pride and satisfaction throughout the Company's operations.

### Distinguished Visitor

Dr. Charles Camsell, recently retired deputy minister of mines and resources at Ottawa, will present the award. A distinguished Canadian with a long association in the promotion of better mining methods, Dr. Camsell was recently elected president of the Canadian Institute of Mining and Metallurgy, which sponsors the Ryan Award. He has also been made an honorary member of the American Institute of Mining and Metallurgical Engineers, and has been awarded the Julian C. Smith Medal by the Engineering Institute of Canada, these being the most recent of a long list of honors which have been conferred on him.

### Men Take Spotlight

Men of Levack will take the spotlight in the presentation ceremony. A popularity contest has been held to select a group of five who will accept the Ryan Trophy on behalf of the men in the mine. Those polling the most votes from the various levels were: Pete Maryschak, driller; Paul Schaak, junior stope boss; Marco Dosen, shrinkage miner; Bill Bushnell, electrician, and Friday McDonald, driller. These men will come forward to receive the trophy from Superintendent Charles Lively after Dr. Camsell has made the official presentation. H. J. Mutt, general superintendent of mines; R. D. Parker, general superintendent of mining and smelting; and R. L. Beattie, vice-president and general manager, will appear on the program in that order to extend their congratulations to the men of Levack.

Master of ceremonies for the big show will be Neil George, mine safety engineer. A feature of the program to be staged both afternoon and evening will be a series of sketches of Levack Mine by local talent and a demonstration of both old-time and modern safety practices. A group of professional stage stars from Toronto will round out the entertainment.

## DISTINGUISHED PERFORMANCE BY ELGAR CHOIR AT FESTIVAL



An outstanding musical organization which won the highest marks in the trophy classes at the Sudbury Festival of Music was the Elgar Memorial Choir, led by Mrs. Queensa V. Hawke with Miss Sheila Crosbie as accompanist. This group of ladies achieved the unusual score of 95 marks, qualifying for the Melody Music Shield for a perfect performance.

Miss Crosbie distinguished herself in the individual events, winning the Dr. Torrington prize for senior piano.

Members of the Elgar Memorial Choir, pictured above, are:

Front row: Mrs. D. F. Tilly, Mrs. C. Evans, Mrs. S. T. Anderson, Mrs. Albert Pace, Mrs. Q. V. Hawke, Mrs. D. J. Dixon, Mrs. R. H. Towns, Mrs. F. J. DeStefano, Mrs. F. C. Fraser.

Second row: Miss Sheila Crosbie, Miss Stella O'Neill, Mrs. A. Macatee, Mrs. J. A. Pencock, Mrs. T. Linton, Miss Martha Allan, Mrs. J. W. Hough, Miss Shirley Cavanaugh, Miss Bessie Soutar, Mrs. W. D. Bryce, Miss Joan White, Miss Marguerite Buell.

Third row: Mrs. H. H. Burton, Mrs. A. A.

Maki, Mrs. E. G. Perry, Mrs. D. W. Stewart, Miss Billy Bain, Miss Thelma Martin, Mrs. Norman Gilje, Mrs. K. Burr, rs. A. Dinwoodie, Miss Marie Black.

Fourth row: Mrs. J. McNeill, Mrs. E. Beale, Mrs. J. W. Newell, Mrs. W. H. Bain, Mrs. R. C. Fordy, Mrs. J. L. Kirk, Mrs. A. C. Mantle, Mrs. H. M. Claridge, Mrs. G. G. Boland, Miss Kathleen Creagan.

Some 3,000 contestants took part in the 330 classes open for competition in the Festival, which was counted a great success from all angles. The gifted adjudicators, Michael Head and J. Peebles Conn, were enthusiastic in their comments on the progress of music in the Sudbury District.

Coniston Citizens' Band, under the baton of Dan Torino, won in the class for brass and reed or all brass bands, scoring 85 marks. Second was Sudbury Band with 83.

More than \$1,200 in scholarships, donated by business firms of the city and district, was awarded winners. The Inco Scholarship of \$250 was shared by two vocalists, Shirley Cavanaugh of Sudbury and Shirley McCuaig of Schreiber.



## Incoites Have Great Variety of Plans for Annual Vacations

**W**HAT are Incoites planning to do with their annual vacation this summer? The Triangle thought that a cross-section of holiday plans in the Inco family might make interesting reading so with the assistance of personnel officers and time office staffs the following thumbnail interviews were obtained. They certainly reveal a variety of ways to "get away from it all" for a couple of weeks.

### MURRAY MINE

Olaf "Tiny" Hanson, timberman, is heading west at the end of July to the foothills of the Rockies to visit relatives. Jack Neva will spend his "vake" remodeling his home at Azilda. Charlie Frappier will journey to Salton, near Cartier, with his wife to get in some fishing and visit his sister. Ross Arnold plans to motor with his family for a visit at Bruce Mines, and will also go to the American Soo. Harrison "Red" McLelland leaves early in August to visit his sister in Ottawa. John Hautamaki will motor to Toronto to visit relatives. Anthony Basso, first aid man, is going to put through an important deal; he will also marry Miss Irma Bartolli of Sudbury and spend his vacation honeymooning at Niagara Falls and Detroit, leaving Sept. 1.

### CREIGHTON MINE

Mike Krustilich is taking his "vake" in June and will spend the time readying a home in Sudbury for his family, who will arrive this summer from Slovakia. A. Remas will not holiday until next December, but then he's going out to Neudorf, Sask., to visit with his parents and do some wife-hunting, he says. O. LaPlante will take his family to Timmins in July to visit relatives. E. Maenpaa will wait until November for a hunting trip in the Penage district with chums. R. Davey will take his family to his brother-in-law's farm at Iron Bridge in July. V. Rintala is booked to holiday in May on his homestead at Wanup where he'll do the spring work and repair buildings. L. Caldwell intends to wait until December and

then visit with his sister and friends at Hamilton and Guelph. J. Zimmerman will spend his holidays in Creighton, doing repairs around his home. T. Gillespie says he's waiting until September and then he's just going to loaf around and rest.

### COPPER REFINERY

Rudy Shijecovic of Transportation is going to Windsor to visit his cousin, Eli, of the same name, a former Refinery employee whom Rudy hasn't seen for five years. Eli's brother Paul, another Refinery man, may also make the trip. Dess Sauve of Casting will take his family of five boys and one girl to LaCloche Lake, near Massey, where they have booked a cottage. Matt Zimmerman will wait until the fall for a hunting trip to the Benny district with a group of friends. Mike Cuk of Casting will spend his vacation buying and packing things for his relatives in Jugo Slavia; he plans to send them cloth for clothes, shoes, small tools, lard, coffee, etc. Fred Moroz of Tankhouse has three pals in and near Toronto, and each of them owns a hotel; recently some argument has arisen as to which serves the best brew, so Fred is going down to conduct a series of tests and decide the argument; he expects it will take

## It Won't Be Long Now, Fellers



Dear to the hearts of hundreds of Incoites is a scene such as this, invariably brought to mind as the vacation season rolls around once again. The picture snapped last year by Roy Chisholm of Copper Cliff Shops, shows his brother Alex engaged in his favorite pastime in Sand Cherry Creek, a popular stream with speckled trout fishermen. Both Roy and Alex are sons of Wm. Chisholm of the blacksmith shop. The "speckled" season opened May 1.



Mike Cuk

Walter Paul

the full two weeks to handle the job properly. Incidentally, two of Fred's pals are former Refinery men: Bill Zaraska, once a crane-man, in Casting, and Andy Zayats, once a rampler in the drill room. Al Lalonde and his wife are going to Sun Valley Lodge on the French River with another couple. Maurice Keaney will go to Toronto to pick up a few pointers at the Canadian Open Golf Championships, and will then enter the Northern Ontario Open at Timmins. George Smith and his family will visit their former home at St. Thomas, and will also slip over to Detroit for some big league baseball; George figures he'll see three visiting teams in the two weeks he has picked out. Tim Rheame will spend his "vake" working on his mining claims northwest of Sudbury. Mickey Moroney, Lorraine Cooney, and Muriel Leblanc, of Lab-office or Lab, are all getting married, and will probably spend their holidays with their new husbands. Irene Ranta and Hilda Hytinen of Office will vacation together at a cottage at Wasaga Beach.

### FROOD MINE

Fred Sloan of the Yard leaves Aug. 11 with his brother to motor to Timmins for a visit with friends and relatives; may do some fishing, etc. "Dinny" O'Brien leaves at the end of June, probably accompanied by his daughter, to visit his wife in the "San" at Gravenhurst; it's gratifying to report that Mrs. O'Brien is making satisfactory progress. Wilfred Lugg, motorman, plans a return visit with his wife to Hainesat Lodge, below North Bay, where they'll swim, sun, and fish. Sid Woodley, pillar leader, takes off July 28 with his wife and child on a motor trip to his old home in Saskatoon; it's his first visit there since 1939, and he intends to have a bang-up reunion with his family and old

friends. "Max" McDonald, motorman, will stay at Twin Pines, Trout Lake, for two weeks in August with his wife and two boys; he plans a real rest, interrupted only by the odd bridge game. Art Cox, pillar leader, will wait until Nov. 3 for his holidays; then he plans to fly with four or five mining pals to Lake Nollie, in the LaCloche Mountains about 20 miles from Espanola; it's an isolated spot and he says from experience that the hunting is exceptionally good. One of Art's chums on the trip will be Milton McLaren, timberman. Dan Jones, surface powderman, will drive with his wife to Hamilton and Niagara Falls in August, to visit their son and two daughters, employed in those cities; if time permits they'll also hop over to Cleveland to visit friends. "Mac" McDonald, construction pipeman, goes to Toronto with his wife and two children; they'll take in the Exhibition and do things up brown. Andy Rayne, timberman, is going to wait until September, then drive with his wife to Loon Lake, near Espanola, where his brother-in-law has a lodge and there's great fishing and duck-hunting; Andy was there last year.

#### CONISTON

G. Plommen will drive to Makinac, Quebec, to visit relatives. A. Rivard is going to crank up his lizzie and head for Toronto and Buffalo. P. Collin plans a visit with relatives at Prescott. P. Lazarevich will holiday on a farm near St. Catharines, where his sister resides. Bill Johnson will welcome his friends at his summer camp on Fairbanks Lake. P. Chaykoski will visit Toronto and Niagara Falls. V. Albreton will also drive down to Niagara Falls.

#### STOBIE MINE

John Spivak is planning to buy a new car and drive to Detroit with his wife and son to visit relatives he hasn't seen since 1913. C. Moreau, shaft driller, is building himself a home on Regent St. S. in Sudbury, and he figures he can get in a lot of work around the place during his holidays. C. Fiabiano has mapped a trip by car to Detroit, Buffalo, and Toronto with his wife and another couple. They have relatives in the States and 1935 was the last time they were all together. L. Labine was married recently and his vacation will be in the nature of a delayed honeymoon; he and his bride plan to visit relatives in Toronto and also make the traditional newlyweds' call at Niagara Falls. D. McDonald, another shaft driller, will take his holidays the latter part of August and will drive with his family to Vermont; there Dunc will have a reunion with two brothers he hasn't seen in 25 years. E. Paniel will postpone his "vake" until December and then will hike west to Regina to spend Christmas with his mother and relatives after an absence of seven years; what a homecoming that will be!

#### COPPER CLIFF

Charlie McMillan, Mechanical, who saw about five years' service with the R.C.A.P. ground crew, much of it in Africa, will go with his wife to visit his parents in Nova Scotia. John Avery, Stores, will fly in with four chums to Kokagama Lake in November for some moose hunting. Albert Gagne, Converters, will motor to Port Colborne in July, and he can count on a friendly welcome if he drops in to visit the Nickel Refinery. Jim Bomba, Orford, is going to stay home and loaf. Frank Larocque, Orford, will visit with his sister at MacTier. Paul Miluch, Orford, hasn't any plans yet except he says he'll probably do what his wife wants to do. Walter Leach, Reverberators, will drive with his family in June to Toronto, St. Catharines, Buffalo, etc. Louis Martel, Mechanical, can't wait to get at the fishing; he and his two sons-in-law will head for Callander on May 19 with rod and reel for two glorious weeks. Joe Lauzon, Converters, will motor with his wife the first part of July to Ottawa, Montreal, and Quebec; their family is grown up.

#### OPEN PIT

Frank Atwood, plumber, will take a trip to

## GARSON TAKES INTER-PLANT BOWLING LAURELS FOR 1947



With a driving finish that netted them a total of 1,287 pins in their final game, Garson Mine won the 1947 Inco inter-plant bowling championship. Personnel of the victorious lineup, pictured above, is: Standing, left to right, Wilfred Lafleur, M. Flavian, Angus Osborne, and Eli Simon; Seated, Carlo Cherzi.

Toronto by car with his wife, dad, and sister, and will wager the odd peso on the ponies. Mike Mulvey, first aid, will take off for Ottawa, Montreal, and Quebec with his brother in a recently acquired limousine, and will wager the odd peso on anything. Ben Lee plans to drive out west to Togo, Sask., with his wife and two sons, there to visit relatives and do some farming. Ed Peattie, garage mechanic, will drive to New Liskeard with his wife and family for fishing and camping on Twin Lakes with relatives. Gordon Lince, time clerk recently transferred from Toronto office, will take his wife and family for a tour of the Niagara district. Peter Kubisa, service truck driver, will wait until November for his holidays; then it's a hunting trip to Penage with Tony Nemsovski, churn drill helper. Doug Thompson, haulage truck boss, accompanied by his wife and family, will drive his new car to B.C. to hobnob with relatives. Harry Teuben, temperman in the steel shop, hopes to visit Ottawa and Hull with intervening stops for refreshments; his family will be along. H. Barrand, electric shovel operator, has a real outing planned with Fred O'Hagan, shift boss; they'll spend two weeks of August camping and fishing in virgin bush back of Wahnapitae Lake, travelling by car and canoe. Ken Weaver, haulage truck operator, will visit his parents at Walters Falls near Collingwood, travelling by car with his wife and family; just a loaf, he says, with maybe a little fishing. George Quigley, blaster boss, leaves Sept. 1 by train for two weeks in Detroit. Don McKay of the police force goes along as chaperone and bodyguard. Dolph Paradis, welder boss, will go camping with his family near Blind River.

#### LEVACK MINE

F. Spencer says: "My wife and I have planned on going to a summer resort in the North Bay District with our son, who will be four years old in November. Our idea of a holiday is to be around on a nice sandy beach, get a tan, go swimming, fishing, and boating. Jimmy is old enough to be taught a few swimming and fishing lessons, so I think we are going to have a whale of a time." Roland Cole will spend his two weeks in Toronto where he can visit his brother Claude, who is a patient in the hospital. P. Humeault says: "I've applied for my holidays in the first week of July, my intention being to get married and take a trip

Creighton Mine's entry placed second in the Inco Club's annual trundling classic. Copper Cliff, Frood, and Copper Refinery finished in that order.

#### Atkinson High Scorer

Trophies were presented to the winning team and the individual stars by Vern Tupling, steward of the club.

Trailing by more than 300 pins as they went into the final game, Garson's aces suddenly got hotter than firecrackers and seemed unable to miss. Steadily they overhauled Creighton and, when the tallies were finally totalled, had won by the narrow margin of seven pins.

to the States, spending a little time fishing, swimming, and resting." Stan Leclair says: "Well, boys, I think I'll have a little trip up Chapleau way to start with, maybe for three or four days. Then comes my woodcutting, and that for me is the hard part, but I really think these holidays are a dandy thing because where I am going the river is open and there are a few nice big pike and nickerel to be caught." Joe Michlowski intends to stay home during his vacation and do the ploughing and sowing on his little farm on the Vermilion River near Larchwood. Bill Sabdivecki is going to visit his mother and father and old friends, among the latter being "miners from that good safety mine, Levack."

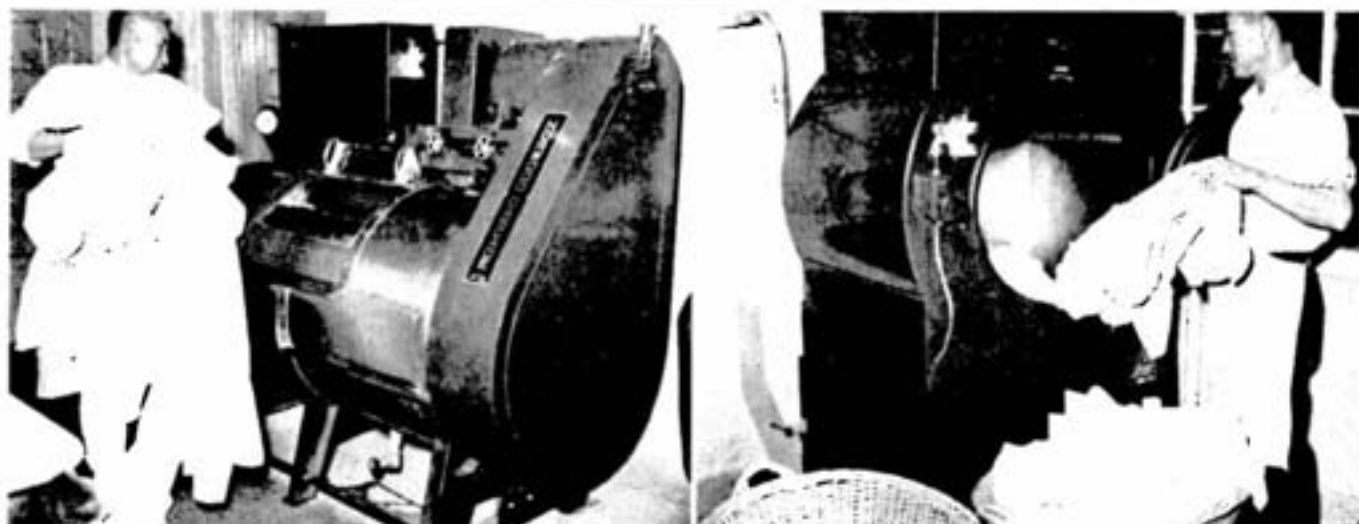
Well, as the barber says, that's just once over lightly, but it gives some idea of the carefully laid plans of Inco men for their annual holidays.

#### CLIFF KIDS REPEAT

Defending the title they won last year in Toronto, Copper Cliff again won the all-Ontario midget N.H.L. championship in a series played at Stanley Stadium. Six teams entered the showdown, including a lineup from Weston coached by Gordon Alcott, former local N.H.L. leader. Other entries were Coniston, Falconbridge, Garson, Gatchell.

Copper Cliff took three straight in the round-robin stage, and then defeated Falconbridge 10-3 in the finals. Members of the team: Slinger Silvestri, Pakkala, Cherry Nicoll, Ray Smythe, Moses Toppazinski (captain), Val McGauley (coach), Harry Belay, Lloyd Howard, Voitto Nelmarkka, Don Lemhan, Jerry Smith, Dave Cikind, Syward Baker, Morris Farrell, Gord Bennett, and Whip Sticks.

## Monel Doing Great Job in Cliff Laundry



Monel, the lustrous natural alloy of nickel and copper which combines beauty with brawn, has been proving itself once again. Monel laundry equipment, installed three years ago in Copper Cliff Hospital and in constant use since, is still in perfect condition both mechanically and from the appearance point of view.

Copper Cliff Hospital, fully modern in every respect and containing the most advanced equipment for general and ortho-

paedic surgery, has 33 beds and a very busy out-patient department. It is staffed by 16 nurses and a force of maids.

All laundry is handled easily by three units. The Monel equipment, according to Miss Allegra Walker, the superintendent, greatly simplified the laundry problem and resulted in cleaner, fresher linen which remains in service longer than when less modern equipment was used.

In the first of the above pictures Joe Lung, dean of the studs in the hospital laundry, heaves another heap of sheets into the washer. Joe has worked in the laundry since 1932, and smiles all over his face when you ask him how he likes the equipment because for years he did his job with the old wood-lined type of washer. At the right, removing laundry from the tumbler-dryer, is Horn Lee, who has been on the laundry staff since 1941.



The Triangle camera caught these two pictures at a typical Mining Institute meeting in the Nickel Range Hotel. At front right in the first picture is President T. M. Gaetz. Sessions were largely attended and highly informative.

## Institute Had Splendid Year

The 400 members of Sudbury Branch of the Canadian Institute of Mining and Metallurgy are looking back on a highly successful season which draws to a close with a meeting on May 17th.

Six very profitable smoker sessions in the regular rendezvous in the Nickel Range Hotel ballroom, have provided expert information on such a wide range of subjects as prospecting, telephone and radio, the technical developments of wartime Germany, Operation Muskox and the Froid-Stobie Open Pit. An informal gathering at Falconbridge was an added pleasure.

Chairman and secretary of the branch prior to December were E. J. Querney and J. C. Bischoff; they were succeeded after the annual elections by T. M. Gaetz and Norman Kneeshaw. Leadership volunteered by these two teams has been highly appreciated by the membership at large.

### TO EACH HIS OWN

Census Taker: "How many in your family?"  
Woman: "Five; me, the old man, our kid, the cow and the cat."

Census Taker: "What's your politics?"  
Woman: "I'm Liberal, the old man's Conservative, the kid's wet, the cow's dry, and the cat's a populist."

### FREAK? NOT HE—

Lulu: "If you were half a man you'd take me to the circus tomorrow."

Buddy: "If I were half a man I'd be in the circus."





## Eye to Eye— How About You?

Eyesight is the most precious of all our senses, yet it is perhaps also the most neglected. Too many of us fall into the familiar rut of taking our eyes for granted.

In other words, we like to think our eyes are O.K., so we just don't bother to have a checkup. Or we may be bothered by some supposedly minor trouble with our eyes, but we never take the time to find out the real cause.

By so doing, we're gambling with a precious gift, deliberately jeopardizing our own safety, security and happiness!

### Figures Tell Sad Story

And if you have any doubts about the seriousness of the problem, consider these interesting facts released by the Better Vision Institute, Inc.

"Of office workers, 53 per cent have defective vision; of garment workers, 75 per cent; of textile workers, 52 per cent."

Furthermore, the Institute lists this sorry percentage picture of defective vision by age groups:

Age 15 .....	Defective 23 per cent
Age 30 .....	Defective 39 per cent
Age 40 .....	Defective 48 per cent
Age 50 .....	Defective 71 per cent
Age 60 .....	Defective 82 per cent
Over 60 .....	Defective 95 per cent

The really tragic part of figures like these lies in the fact that many visual defects could have been corrected or improved through medical care or through a corrective-

protective program carried out by vision specialists.

### Here Is Good Advice

Specialists have summed up some mighty practical suggestions on protecting eyesight in these words:

"Properly-fitted glasses or medical care can correct many kinds of eye trouble. We ought to pay attention to signs which say 'See an eye specialist.' Some of them are: persistent headaches, eyeraches, watery eyes, blurred vision, soreness of the eyes or lids, dizziness, tired feeling on using the eyes, persistent squint, and a tendency to hold work too close or too far from the eyes."

"Toward middle life and after, it's even more important to be careful. Our eyes age with our bodies. They need more rest, regular examinations, and prompt professional care whenever signs of trouble appear."

The really good news is that a large number of seeing troubles can be corrected. Fumbling, slow learning, mistakes due to neglected eyes can be overcome with proper scientific skill and professional care.

There are a few good rules all of us can follow to preserve our eyesight. Here they are:

1. Observe good living habits (proper food, enough exercise, rest, and sunshine, and good posture). The eyes are a part of the body and share its ups and downs.
2. Make sure you read in good light.
3. Always use safety devices on your job.
4. Have "something in the eye" removed by a trained person only. Don't practice untrained "first aid" for that cinder.
5. Have an examination at the first symptoms of eye trouble.

Remember, precious eyes that bring you 83 per cent of your knowledge must last you a lifetime. Don't injure them through over-use, abuse, or foolish neglect!

## Fashion Show Dance Feature

A full-fledged fashion show was the enterprising feature staged at a dance in the Levack Employees' Club under the direction of Lloyd Davis. Attractive models pictured above by the Triangle camera are: Standing, left to right, Sophie Lanki, Maizie Purvis, Isabelle Mac-Namara, Mrs. Corkal, Helen Bobly, Mrs. Lloyd Davis, Mrs. Stan Snider, Mrs. Lloyd Thompson. Seated on the right is Sophie Oraby, and on the swing are Mr. and Mrs. Ed. Kauppinen, who gave appreciated vocal selections. Models absent for the photo were Miss Ruth Stockdale, Miss Viola Yahnke, and Mrs. Ed. McIvor.

### THE FRONT COVER

The very fine picture on our front page this month was made by Harry Sharpe of the survey staff at Levack Mine, and shows a bend in the road near Blind River, on a lazy summer's day. Congratulations to Harry on a notable bit of photography.

### WELCOME BACK

Inc's employees returning to the Company recently after discharge from the services were Edward J. Mitchell, Army, of Copper Cliff, and Stuart John Dickson, R.C.A.F., of Froed Mine.

### DAYLIGHT SAVING TIME

Daylight Saving Time went into effect at 12:01 a.m. of April 27 at Copper Cliff, and will continue for five months.

There's no use finding thousands of reasons for not being able to accomplish something. You just need one reason why you can.



## Robert Boudignon Takes First Prize In Shutter Event

A recent newcomer to the Inco forces, Robert Boudignon of the pay office at Copper Cliff, won the \$10.00 first prize in the Triangle's picture contest for April.

Taken in the summer of 1939 when Bob was seriously interested in photography and the mysteries of a Leica camera, the picture shows Toronto by night. It was a clear evening with no moon; the film was Kodak XX, the diaphragm setting; F 3.5, and the exposure one minute.

### Tough Judging Job

George Dietrich, manager of Liggett's Drug Store in Sudbury, kindly acted as guest judge for April, and admitted it was a difficult assignment. There was particularly close competition between the three pictures he selected for awards. In second place was the entry of Bill Roe of the Port Colborne Refinery, a fine shot of a Curtis Pell-Diver coming in to land on a flat top in the Pacific. Bill made the picture during his service with the U.S. Navy. Third prize was allotted to Joffre Perras of the safety department at Copper Cliff Smelter for his attractive snap of his son Dick, made in his home using a Kodak "35" camera and two flood lights.

To all the others who submitted entries in the April contest go Triangle's thanks; better luck next trip, you shutter-snappers.

### E. A. COLLINS HONORED

Of pleasing interest to his host of friends within the company and elsewhere was the announcement that an honorary degree of Doctor of Laws was to be conferred by Queen's University on E. A. Collins, former assistant to the vice-president, now retired on pension.

He has been a member of the board of trustees of the University for 15 years, is past president and life member of the Queen's Alumni Association, and is a member of the Board of Directors.

PRINTED IN CANADA



## Mine Rescue Team Called to East Malartic

Answering an urgent plea for more rescue equipment and more trained rescue personnel, a crew of 27 men from three Inco mines went to East Malartic Gold Mines on April 25 to assist in efforts to reach the 11 men still entombed in the smoke-filled workings.

The crew was accompanied by the specially equipped mine rescue truck which the Ontario Department of Mines maintains at Frood for such emergencies.

Norman Wader, safety engineer at Frood, was in charge of the Inco men, all of whom have had intensive training in mine rescue work. Arriving at East Malartic at 10 p.m., on April 25, they remained at the scene of the tragedy until April 27, returning to Sudbury at midnight of that day after hope had been abandoned of rescuing the entombed 11.

### Worked Efficiently

The Inco crew are reported to have worked smoothly and efficiently in their bulky mine rescue apparatus. All returned without mishap.

Revisited from Frood for the long trip by

car were: W. Stringer, H. Moorehouse, P. Bagen, A. Bonokoski, O. Graham, W. Johnson, R. Lodge, P. Mattson, V. Laporte, H. Buhr, R. Jones, E. O'Callaghan, M. Pechoff, G. Lemieux, H. McAvaney.

From Garson went A. Brethauer, P. Morreau, and H. Walford, and from Creighton went T. Gillespie, D. Marion, P. O'Connor, D. Robson, M. Jolsich, P. Samchuk, A. Marson, and H. Smith.

### SENIOR BALL ACTIVITY

At least five teams, possibly six, will fight it out this summer in the Nickel Belt Baseball Association. Definite are Coniston, Creighton, Frood, Copper Cliff and Shamrocks; possible is Garson.

George "Barney" Barnett, headed for the title of Mr. Baseball in these parts, was re-elected president of the loop, Jack Duncan is again vice-president, and George Grace, sports encyclopedia of the Sudbury Star, is secretary-treasurer.

W. E. Mason and Tom Birney have been made honorary life members of the N.B.B.A. in recognition of their outstanding service to the organization over many years.

### MODERN ANVIL CHORUS

Beneath the spreading chestnut tree  
The smith works like the deuce  
For now he's rolling gasoline,  
Hot dogs and orange juice.