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The Fleeting Goal Of Tubal-cain

By William D. Mogerman

WE ARE TOLD that Tubal-cain, the son of Lamech and Zillah, was the first worker in metals. Even more, the Bible describes him as the earliest instructor in this art. Tubal-cain did not choose an easy way to earn his bread, but he became a member of no mean calling. Those of us who follow him in working with metals can therefore take considerable satisfaction in the respectable antiquity of our craft. For the traditional Father of Metallurgy was only nine generations removed from Adam. And we are all sons of Tubal-cain, whether we labor in the mine, mill, fabrication plant, smelter, shops, or laboratory.

In the days when the world was young, not long after the precious ores had been laid down in the bleak and rocky lands where nature loves to hide them, Tubal-cain was already giving thought to the provision of tools for his people and weapons for the defense of his Nation. And we may safely surmise that he was also thinking about the future of his craft, for Tubal-cain was a teacher. Such thoughts are the special privileges of teachers, sometimes pretty nearly the only privileges they receive.

Tubal-cain could not have known, of course, about the strange and rich mineral deposits that were already waiting in many parts of the world and were to wait so long for his sons to come and work them. The magnificent achievements of the metallurgical arts still had millenniums of slumber ahead of them, slumber as deep as the ores in the mines themselves.

Nevertheless, no man can truly found a new industry or teach the art of it to others, without a vision to guide him. The goal which Tubal-cain set for himself and for his disciples has necessarily been fleeting. For every old problem that has been solved in its turn, a dozen new ones have sprung up to replace it. Much has been accomplished, but perfection is still far-off. This is neither the place nor the season to engage in platitudes about the importance of metals to man. We are aware that thousands of years have passed since our great ancestor smelted his ores and hammered on his anvil. Like him we are still engaged in providing tools for our people, weapons for the defense of our Nation and data for those who will come after us. Innumerable trials and errors have been made in all these centuries, but much good work has been done by each generation in its day and time. At this Christmas season let us turn our thoughts, at least for a moment, away from the purely technical aspects of the past and future. As the years roll inexorably on, what is the most rewarding aspect in the life and work of a metallurgist?

The writer vividly remembers one such moment. It was only a momentary glimpse, but it seemed to sum up centuries of endeavor.



Drawn for the Triangle by Orest Andrews

"Merry Christmas, Boys!"

It took place in a hospital when a child was brought in with a foreign obstacle lodged in his throat. In the doorway stood the trembling mother. She watched as the apparently lifeless child was placed on the operating table. Nurses tried to lead the mother away, but she would not go. Mutely she watched as the doctor reached into a sterilizer and pulled out a gleaming metal instrument. Her eyes followed him as he advanced on her child with this gleaming object in his hand. And no pious worshipper ever gazed at the holy relic of a departed saint with a deeper veneration than this mother bestowed upon this metal object in the doctor's hand.

She did not see a metal laboriously brought from the depths of the earth, refined, alloyed and tested and fabricated. She probably never considered the hardness or toughness or corrosion resistance of this metal object, or the years of labor that have gone into the development of these special properties. She saw only a beloved object, a miraculous means for saving the life of her child. And that is what it was, and that is what it actually did.

Every worker in industry can think of scenes like this, or of many having the same significance. The goal of Tubal-cain may be fleeting, and perfection still far-off. But even as a shortlived proposition, there is deep satisfaction in providing mankind with tools for the preservation of life and hope. It would be blindness to overlook the spiritual beauty of this aspect of our calling.

A famous old French tale is told about an aged acrobat who stopped one day before a shrine sacred to the Holy Mother. He wished to express his veneration but he was illiterate and did not even know how to pray. So he made his devotions in the only way that was open to him, in the way he earned his daily bread. The simple-hearted old man went through his life long performance as a "jongleur." With the greatest sincerity he made his somersaults and performed his complicated tumbles. It was all he knew and the best he had. The tale goes on to say that when he had quite exhausted

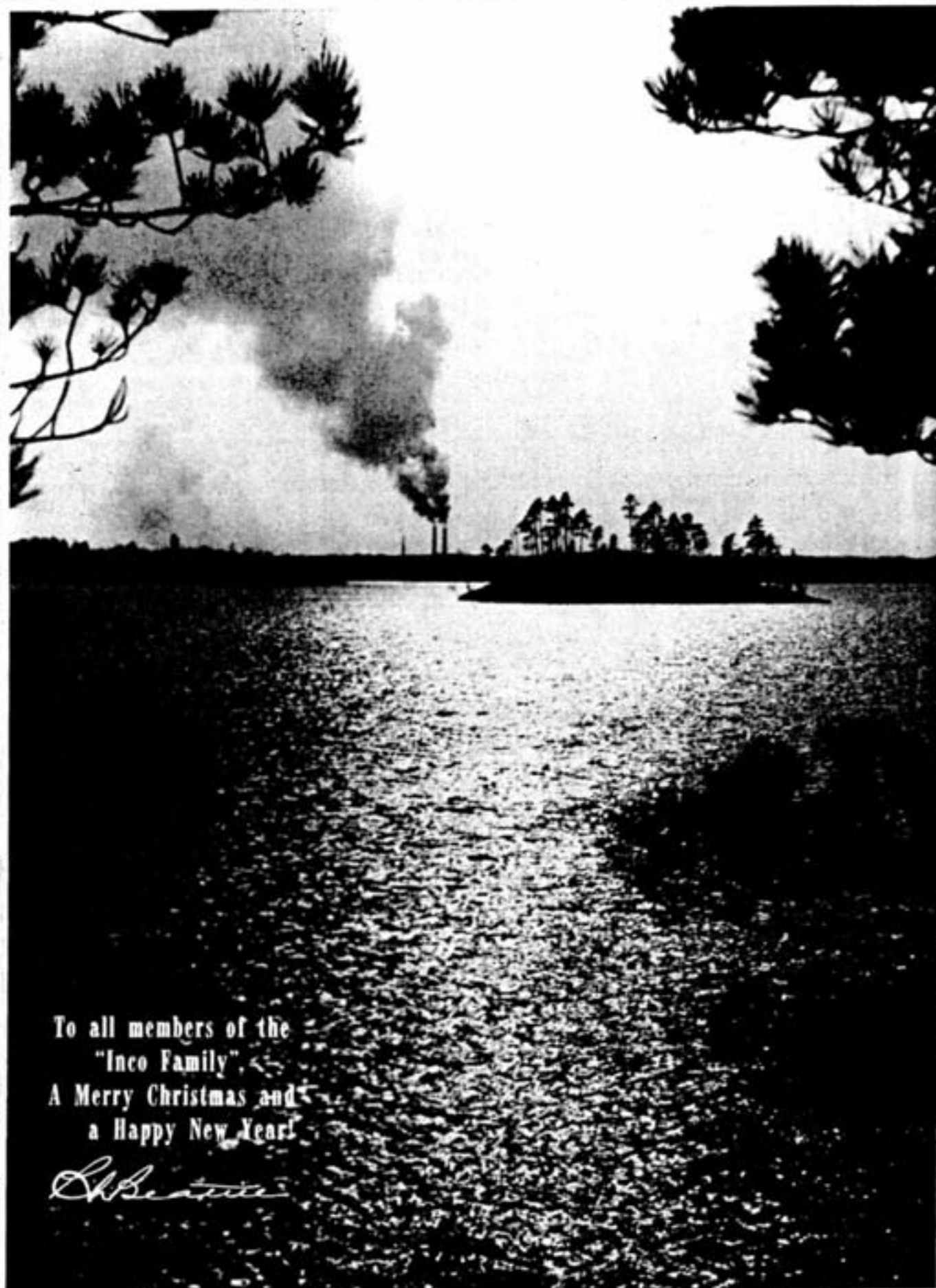
himself by his efforts and lay panting on the ground before the pedestal, the Virgin was seen to descend and wipe the perspiration from the brow of the honest old worshipper. So too, the sweat that is poured out in mine and mill has a deep spiritual meaning for those who see with more than optics. Such eyes are needed to see the full nobility of labor in a dark mine-shaft, or in the thundering semi-twilight of a great rolling mill. Or to perceive the weary toil of a scientist chasing elusive generalizations through the misty corridors of his skull even as he lies in bed vainly trying to sleep.

Christmas is not a dismal holiday but it is a solemn one to many good people. Even the ancient heathen, who merely celebrated the winter solstice at this season, looked upon it as an impressive occasion with religious meaning. And with all respect to the valuable columns of data gathered by Science, I have never known a single metallurgist who went about reciting tables of Brinell hardness or magnetic permeability on a day of solemn import to him. When her child lies near death, a mother does not compile data tables. Such tables have their due importance, but not the same kind of importance as the eternal verities. We have spoken of a mother and her child and of the basic dignity of honest toil. The writer is a pretty poor person to be preaching sermons, but with the greatest possible respect I invite you to think for a moment of the relationship between these things and the Mother whose Child grew up to be the Carpenter of Nazareth. It is His birthday we are talking about, and Merry Christmas to you on it.

PLENTY TO LEARN

Strolling through the card room of a businessmen's club the other night, one of the members was surprised to see three men and a dog playing poker. Pausing to watch the proceedings, he commented on the extraordinary performance of the dog.

"He's not so smart," the dog's owner replied in disgust. "Every time he gets a good hand he wags his tail."



To all members of the
"Inco Family",
A Merry Christmas and
a Happy New Year!

L. Beattie



35 Copper Cliff Police Officers Win Diplomas

A banquet and presentation of diplomas by an official of the attorney-general's department brought to a successful conclusion the special course of training for the men of Copper Cliff Police Dept., to which are attached the 113 police officers stationed at Inco towns and plants.

Unique in that it was the first school of its kind conducted entirely by the members of a police department, the course provided a broad training in general law enforcement as prescribed by the Criminal Code of Canada and the provincial statutes, as well as in the fostering of a feeling of mutual respect between police and public.

Lectures, approved by the attorney-general's department and commencing last March, were given by Chief A. F. Rundman and Det.-Sergt. A. Watson. Every man on the force received an average of 33 hours of instruction.

Thirty-five of the force elected to write the examination set at the conclusion of the course by W. H. Neale, deputy-chief of the Windsor Police Dept., and all were successful. Deputy-Chief Neale said he was much



impressed by the calibre of the papers submitted.

"Copper Cliff, and Inco as a whole, is proud of the type of men on its police force," Mayor W. T. Waterbury told the graduating class at the banquet in Memorial Community Hall. He warmly congratulated the group on the thorough knowledge of police work they had displayed in the difficult examinations.

The Graduating Class

In the first of the accompanying pictures are seen the men who received certificates signed by C. R. Magone, deputy attorney-general, stating that they are fully qualified for any type of police work:

Left to right, back row: Harold Bishop, W. Duguay, R. Landriault, A. Shalla, E. Paul, J. Kearney, N. Skinner, B. Crozier, K. MacKinnon, P. W. Minard, H. Heron; centre row: R. Ballantyne, T. Kiley, E. Armstrong, W. Frisell, S. Lane, A. Turpin, F. Bishop, A. Hague, T. Wilson, R. Grieve, L. Walford, B. Chisholm, E. Lamontagne; front row: J. Drohan, C. Rowe, E. Miller, J. Livingstone, A. Cote, S. Lowe, O. Moyer, A. Hill, A. Miron, L. Monaghan, R. Alexander.

In the second picture W. C. Bowman, representing the attorney-general's department, presents a diploma to Constable Nelson Skinner. On the left is Chief Runciman, and on the right are Constable Andy Cote, who was chairman at the banquet, and Deputy-Chief Neale of Windsor.

3. (Seated) Inspector A. Stringer of the Provincial Police, Sudbury, a guest at the banquet; Mayor Waterbury, Chief Runciman, Deputy-Chief Neale and W. C. Bowman; (standing) Det.-Sergt. Adam Watson, Det. Bert Crawford, and R. M. Thomas, Copper Cliff town clerk and justice of the peace.

4. A special feature to conclude the course were a day's lectures by Professor Joselyn Rogers of the University of Toronto, famous pathologist of the attorney-general's dept., who is seen at the left addressing the examination group at Memorial Community Hall.

HOW IS YOUR BRAIN POWER?

Answer to last issue's problem:
Let B, R, W be the number of quarter-ounces required for one scarf.

$$\text{Then } 14 - B = 11 - R + 9 - W$$

$$R + W - B = 6$$

$$\text{and } R + W + B = 24$$

$$\text{therefore } 2B = 18$$

$$B = 9$$

She would need 9 - 5 more blue wool,
i.e., one ounce.

During the war an intense rivalry developed between the skippers of three submarines in the British Fleet. Before the end of the war, two of the boats could number their "kills" in double figures. The "Buttercup" sank half as many again as the "Cowslip" would have sunk had the "Cowslip" sunk half as many as the "Dandelion". The "Dandelion" sank half as many again as the "Buttercup" would have sunk if the "Buttercup" had sunk half as many as the "Cowslip". How many were sunk by each?

AN EAR FOR MUSIC

"That last little thing of yours was charming," said the gushing hostess. "I loved its wild abandon. Was it your own composition?"

"No, madam," scowled the lion of the evening. "I was putting a new string on my violin."

Levack Is Pardonably Proud of New Addition to Its School



At Levack these days they're viewing with solid community pride the handsome six-room two-storey addition to their school.

Besides the six new classrooms, the ultra-modern extension contains a teachers' room, a First Aid room, and a boys' playroom which has allowed the basement of the school's old section to be remodelled as a playroom for girls.

The addition is of brick veneer construction. The old section of the school has been brick-textured to match.

A feature of the classrooms is the smart lighting arrangement, one wall being composed almost entirely of glass block and window sash. Large fluorescent ceiling lights have been installed, and the blackboards are spotlighted from above.

Each classroom has a project table with sink. The new type plywood seats have adjustable desks. All rooms are served by fan ventilation system to which the wardrobes are connected.

First of the above pictures gives a view of the new addition, which increases the size

of the Levack school to 12 rooms. In the second picture is one of the bright and cheery new classrooms, showing the splendid lighting arrangement. The class is Grade 5 and the teacher is Miss Fay Young, a graduate of Copper Cliff High School and North Bay Normal School, who recently joined the teaching staff at Levack.

Levack is by no means the only Inco community which, through happy coincidence, finds itself receiving something pretty substantial in the way of new facilities just at Christmas time. At Garson the fine new community hall nears completion; at Copper Cliff the seven-sheet artificial-ice curling rink is getting its finishing touches; at Creighton the big expansion program which includes the sinking of a new shaft and construction of a concentrator is in full swing.

There are two worlds: the world that we can measure with line and rule, and the world that we feel with our hearts and imagination.





"Class of 1949"

Left to right, front row, A. Wilson, W. Wikman, E. W. Wirta, N. Welos, E. A. Saunders, T. F. Simms, W. F. Stephenson, P. Storoosuk, G. Spencer; second row, L. E. Ade, W. Alder, A. Bontinen, T. C. Bryce, S. Burke, Dr. J. F. Thompson (president of Inco), Miss Louise Schofield, R. L. Beattie (vice-president and general manager of Inco), B. Cayen, E. Cayen, A. Ceppetelli, S. Chorney, G. Comacchio; third row, J. Davidson, K. Deacon, J. D. Fitzgerald, G. Floreani, A. Foisey, J. H. Gagnon, V. Galipeau, S. D. Gemmell, E. Giardini, M. Girolametti, R. J. Harkins, L. Hellman, G. Robb, G. Rossett, A. Weloski; fourth row, G. L. Hudson, J. Konituri, X. Lalonde, F. Milligan, G. Mitchell, W. Muraska, L. McLaughlin, L. Oliver, L. Paul, W. R. Phillips, J. Poutanen, J. H. Revals, A. Simons. Absent: F. Revals, D. Roznowski, F. Semenluk, A. Sylvestri, N. Vallancourt.

Dr. Thompson Presents Buttons To Quarter Century Club Men

Another 53 Inco stalwarts who have completed 25 years of service with the Company in the Mining and Smelting Division were welcomed into membership in the Quarter Century Club at the second general meeting held on Nov. 29 at the Employees' Club in Sudbury.

Many of the new members came from Creighton and from Coniston, the latter originally Mond Nickel Co. employees who transferred to Inco under the merger of the two companies in 1929.

The "Class of 1949" had a special pleasure in store for them. They received their Quarter Century Club buttons from Dr. John F. Thompson, who came from New York especially to attend the function. It was his

first visit to Inco's operations in the Sudbury District since he became president of the Company in February.

More than 500 attended the dinner meeting at which the 53 new members—49 of whom were present—were initiated. Quarter Century Club members and pensioners residing in Sudbury District attended.

I. J. Simcox, general assistant to the vice-president and secretary of the Quarter Century Club, extended a cordial welcome to the gathering. The Club's membership roll in Canada and the United States, he announced, has reached a total of 975 names, 542 in the Copper Cliff chapter, 123 in the Port Colborne chapter, and 310 at New York. Of the Copper Cliff membership 315 are on

active service, 138 are on pension, 66 have died who were pensioned, and 23 have died before reaching pension age.

89 Pensioners in Sudbury

Other interesting information contained in Mr. Simcox's remarks included the distribution of the 245 Inco pensioners residing in Sudbury District: 68 are in Copper Cliff, 34 at Coniston, 15 at Creighton, 1 at Frood, 9 at Garson, 10 in Gatchell, 2 in Lockerby, 2 in Levack, 99 in Sudbury, 4 in Minnow Lake, and 1 in Brodie. The remaining 78 pensioners of the Mining and Smelting and Copper Refining Divisions reside outside the district.

Vice-President R. L. Beattie expressed the Company's appreciation of the long and faithful service represented by the large gathering. As examples of the outstanding records which have been built by Inco men he singled out William Zinkie, who had the longest service of any pensioner of the

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New members of the Quarter Century Club were introduced by Vice-President R. L. Beattie at the meeting on Nov. 29 and received their buttons from the president of the Company, Dr. John F. Thompson. In the centre picture Leo McLaughlin of Creighton is receiving some good-natured kidding about his career as a baseball impresario.



The Inco Christmas Parties

Once again squads of willing helpers have done their work well, so that Santa's annual visit to thousands of kiddies from Inco homes in the Sudbury District was another smashing success. On these pages are pictures taken at the Froot-Stoble and Murray, Copper Cliff, Creighton and Garson Christmas parties. Still to be held as the Triangle hurried to press to meet its Christmas deadline were the Levack, Copper Refinery, and Coniston festivities.

In the midst of the joyous bedlam at one party, the supt. of the plant said, "There's never any scarcity of volunteers for the Christmas committee. It's a lot of work but the boys are always eager to pitch in and help."

The astonishment of children suddenly brought face to face with Santa Claus, the wild excitement of being held in his big friendly arms, the delight and pride at receiving gifts, and the bright glow of pleasure on the countenances of the parents as they watch this warmly human show of faith and affection, are thrills that only the Christmas party can bring.

Sure it's a lot of work, getting the money and buying and wrapping the gifts, and carefully arranging them in age groups, and trying to maintain some sort of system during the mad scramble of handing them out. And making certain — making certain beyond the shadow of a doubt — that nobody is forgotten. But you'll never see a happier bunch than the fellows on the Christmas committees, because they're sharing the same sweet privilege as those who knelt at the cradle of the Christ child in Bethlehem two thousand years ago.





Inco Names Prominent in Club's Third Annual Display

Several Inco names were prominent at the very successful exhibition staged last month by the Port Colborne-Humberstone Art Club, which won high commendation from critics and public alike.

More than 200 paintings were on exhibition from Port Colborne, Welland, St. Catharines, Niagara Falls, Ponthill, Humberstone, Morgan's Point, Buffalo and Toronto. Anthony Sisti of Buffalo, the club's instructor showed three, "Still Life", "Fall", and "Seascape".

One critic classed the show as one of the best non-professional exhibitions to have been hung in a smaller Ontario centre, sur-

passing the standard of the average amateur display in the larger centres. This critic, in commending the show, said that in addition to including the usual modicum of tight amateur technique, it was marked by many open-minded attempts to experiment and cut loose from merely pretty work to achieve values.

Seen above are some of the artists from Inco homes who contributed much to the success of the third annual exhibition:

1. Mrs. Mary Prittle (right), vice-president of the club, confers with Paul Manion, president, and Mrs. B. McArthur, second vice-president.

2. Mrs. Prittle is seen here with four of her paintings which won much admiration, "Neighbor's Home", "Reflections", "Mill Tracks", and "Activity".

3. Dorothy Dearing, daughter of Mr. and Mrs. "Webb" Dearing, with her exhibit of "The Old Barn", "Calla Lillies", "Reflections", and "The Pinnacle".

4. "Webb" Dearing stands beside his group of four paintings, "Old Lime Kiln", "Fraser River", "Windblown Elm", and "Kressman Woods".

5. Another popular exhibit was that of Mrs. Robert White, seen here with "Portrait", "Dahlias", "Tulips", "African Violets", and "Calla Lillies".

6. Young Richard Tuck demonstrated that he's off to a flying start with his artistic hobby by exhibiting "Lilies", "Winter Playtime", and "Easter Lilies".



This is Inco

This is a mineral melting pot
Whose products by the world are sought—
Where rock and dirt and grimy dust,
Which Nature long has held in trust,
Are crushed and burned and made to stew
In strange metallurgical brew,
Until the rock and dirt at last,
From something dull and dead, are cast
To shining metals, bright and pure,
Alive with strength—their future sure!

This is a human melting pot
Whose products are not simply bought—
Where hearts and souls and gnarled hands,
Tired and worn in poorer lands,
Have rekindled the spark of hope
To live free men their full life's scope;
In place of blood and sweat and tears
And shadow of a thousand fears,
Here is promise of life secure,
Symbol of strength, of future sure!

—Luigi Vittorio Alberto Concessi,
No. 4 Bldg., Port Colborne.

Barbara Ann Was Terrific

A poem of grace and daintiness, in a setting of dazzling costumes and lighting effects, Canada's own Barbara Ann Scott completely captured capacity crowds at Stanley Stadium on Dec. 6 and 7.

The little lady made the most difficult feats of figure-skating appear so easy, and performed them all with such charming poise and refreshing personality, that even those who have only a nodding acquaintance with her art sensed the qualities which made her Olympic and world champion.

She was most generous with her numbers, and although they were all wonderful interpretations, the one which seemed to win her audiences unreservedly was the beautifully executed "Because".

The Barbara Ann Scott show achieved a double purpose as far as Nickel Belt people were concerned. It not only gave them charming entertainment, but it also supplied a yardstick by which they could measure the calibre of Copper Cliff Skating Club's annual carnival. The comparison was very much to the credit of the local skaters.

In this world it is not what we take up, but what we give up, that makes us rich.

—Henry Ward Beecher

New Members Welcomed by Dr. Thompson

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Mining and Smelting Division, 49 years and 2 months; Alf Wulff, who has to his credit the most years of service among active employees in the district, 44 years and 8 mos.; and Tommy Erwin, who is the oldest service pensioner residing in the district, both as to age and to number of years on pension.

Mr. Beattie warmly welcomed the new president of the Company, Dr. Thompson.

Noticeable at the meeting was the atmosphere of comradeship, and of pride in the progress of the great organization in which all had played a part. In his brief address Dr. Thompson made reference to this, saying what a fine thing it is to see various races and creeds welded together by a large industry such as Inco. Addressing himself to the Quarter Century Club members he stressed the duty of veterans in an industry to pass on their knowledge and experience to the younger men who would succeed them, so that a job which was being well done today would be done even better in the future.

Tribute To Pensioners

Assistant vice-president and general supt. of the Mining and Smelting Division, R. D. Parker paid a tribute to the pensioners of the Company who laid the groundwork for its greatness today. E. A. Collins replied on behalf of the pensioners, and spoke of the interest and pride they take in the achievements of the firm to which they devoted their working years; he mentioned too their gratitude at the provision Inco has made for their security and happiness in retirement.

A toast to the ladies' auxiliary of St. Andrew's United Church was proposed by W. T. Waterbury, assistant to the vice-president. He congratulated them on the delicious dinner they served to the big gathering with amazing speed and efficiency despite the handicap of inadequate facilities for a function of that size, and also upon the artistic decoration of the tables.

As the new members of the Quarter Century Club came forward to receive their buttons they were introduced by Vice-President Beattie, who recalled amusing incidents in the lives of many of the veterans. Miss Louise Schofield, only lady member of the "Class of 1949", naturally received special attention from Mr. Beattie and Dr. Thompson when she stepped on the stage.

Members of the Ukrainian National Youth Federation of Sudbury, led by Peter Bendick, performed dances in colorful national costume as the opening number of the enjoyable concert program. Artists from Toronto also entertained with music, magic, and novelty acts. The Coniston Band, under Dan Totino, played during the dinner.

Following are thumbnail sketches of the 53 members of the "Class of 1949":

Leslie E. Ade: Born at Copper Cliff. Married. Employed Dec. 31, 1923 as a smelter scale clerk. Transferred to Accounting Dept. March 2, 1925. Appointed assistant real estate agent June 1, 1949.

Wm. Alder: Born in Canada. Single. Employed Jan. 23, 1924 as beaker boy in the Coniston laboratory. Promoted to chemist March 1, 1930, his present occupation.

J. D. Fitzgerald: Born in Canada. Married. Employed 1924 as beaker boy in the Coniston laboratory. Promoted to chemist March 1, 1930, his present occupation.

S. D. Gemmell: Born at Whitefish. Mar-

In Spotlight at Club Party



The meeting of the Quarter Century Club on Nov. 29 turned out to be a birthday party for Thos. Harkins, Inco pensioner with 36 years' service, who was 80 years old that day. He was congratulated by Vice-President Beattie, and the big gathering sang "Happy Birthday to You". He is seen in the first of the above pictures with his son R. J., a new member of the Club, and his son Thomas Jr., who received his button last year.

In the second picture are three of the four Lalonde brothers who are Quarter Century Club members. Xavier, on the left, who works at Coniston, was one of the "Class of 1949". In the center is Ferdinand, also of Coniston, and on the right is Eugene, of Copper Cliff Concentrator. The fourth brother, Ovilla, also of the Concentrator, was unable to attend the meeting.

Lauri Hellman: Born in Finland. Married. Employed as trammer at Worthington Mine Dec. 3, 1923. To Garson time office March 3, 1924, as timekeeper. To Mond Frood in June of 1925 as warehouseman and timekeeper. To Garson as head timekeeper in Feb., 1928. To Copper Cliff as assistant paymaster July, 1949.

E. A. Saunders: Born in England. Married. Employed as blacksmith helper at Copper Cliff Sept. 29, 1923. Became smelter scale clerk June 1, 1935. Transferred to Accounting Dept. as timekeeper April 19, 1943.

George Robb: Born at Turbine. Married. Employed as laborer at O'Donnell roast yard Jan. 15, 1924. To Copper Cliff reverb furnaces 1924. To Electrical Dept. at Copper Cliff as lineman June 16, 1924. Promoted to

line foreman Aug. 1, 1941.

Louise Schofield: Born in Canada. Single. Employed as stenographer at Copper Cliff general offices Dec. 1, 1924. Private secretary to R. D. Parker, general supt. of Mining and Smelting Division.

Thos. F. Simms: Born at Victoria Mines. Married. Employed as laborer at Coniston June 14, 1923. Transferred to Electrical Dept. two weeks later as apprentice. Rated as electrician 1928. Transferred to Copper Cliff June 20, 1930. Became construction electrical boss 1942. Electrical foreman April 16, 1948.

Wilbert F. Stephenson: Born at Cathcart, Ont. Married. Employed April 20, 1924, as timekeeper and warehouseman at Levack. Promoted to chief mine clerk at Levack July 1, 1926. Transferred to Frood warehouse as senior clerk in January, 1930.

Anthony Wilson: Born in Canada. Married. Employed as driller at Levack April 2, 1924. Became shift boss April 1, 1925.

Transferred to Frood as shift boss July 1, 1933. Back to Levack as shift boss in 1937. Transferred to Open Pit July, 1939, as shift boss.

William Muraska: Born in Austria. Married. Employed Sept. 25, 1923, with Transportation Dept. Transferred to Smelter in March, 1927. Promoted to tapper's helper in 1943, his present occupation.

Evaristo Giardini: Born in Italy. Married. Employed Aug. 8, 1923 as a smelter laborer. Transferred to Crushing Plant in 1937. Became conveyorman in 1943 and crackerman in 1944.

Kenneth Deacon: Born in Canada. Married. Employed Feb. 20, 1923 at Copper Cliff Smelter as flux mixer. Became electrician's helper April 23, 1929. Transferred to Concentrator in 1933. To Electrical Dept. 1943. Is now locomotive electrician, first class.

John Konturi: Born in Finland. Married. Employed Sept. 11, 1923 at Copper Cliff Smelter as reverb. furnace laborer. Became chute blaster in 1937. Became slag dump man in 1947.

Gilbert Spencer: Born in Canada. Married. Employed Jan. 29, 1923, at Copper Cliff Smelter as tuyere puncher. On June 16, 1923, became a sampler, his present occupation.

Armano Sylvestri: Born in Italy. Married. Employed July 31, 1923, as yard laborer at Copper Cliff Smelter. Became a brakeman Feb., 1929, a conductor in March, 1934. Promoted to yardmaster's assistant in Sept., 1943.

James Davidson: Born in Scotland. Married. First employed with the Company from 1912 to 1921. Rejoined on Feb. 22, 1924 at Copper Cliff Smelter as a reverberatory furnace laborer. Became furnaceman's helper in 1933 and furnaceman in 1936. Is now furnaceman on the roasters.

Aurelio Ceppetelli: Born in Italy. Married. Employed July 3, 1923 at Copper Cliff Smelter as reverb. furnace helper. Promoted to tapper on Feb. 20, 1935. On August 15, 1947, became crane man, his present occupation.

George L. Hudson: Born in Canada. Married. Employed June 28, 1923 as mason apprentice with the Mechanical Dept., Copper Cliff. Transferred to the smelter in Feb., 1924. Became tapper's helper in Jan., 1940, and in July, 1942 became blast furnace tapper, his present occupation.

William R. Phillips: Born in Canada. Married. Employed on Jan. 8, 1924 as laborer with the Transportation Dept., Copper Cliff. Promoted to brakeman in March, 1928, to conductor in August of that year. Is now a general yard conductor.

Lloyd Paul: Born in Canada. Married. Previously employed with Mond Nickel Co., his credited service dates from April 19, 1924. Became flotation operator at the Concentrator, Copper Cliff, on Nov. 1, 1931, and relieving shift boss in January of 1947. Became flotation boss on July 1, 1948.

Adelard Folsey: Born in Canada. Married. Employed by Mond Nickel Co. Nov. 25, 1923 at Coniston. Transferred to Copper Cliff in Dec., 1931 as conveyor helper at the Concentrator, became a pumpman in 1936. Promoted to tailings dam boss in 1946.

Nice Vaillancourt: Born in Canada. Married. Employed by Mond Nickel Co. on June 2, 1924. Transferred from Coniston to Copper Cliff in 1932, as a process laborer. Became a conveyorman on the nickel converters in 1940, and a tripperman in 1946.

R. James Harkins: Born in Canada. Married. Employed Aug. 1, 1922 as a laborer at Copper Cliff Smelter. Became a tapper's helper on Jan. 23, 1923. Present occupation conveyorman on nickel converters.

Thomas C. Bryce: Born in England. Married. Employed April 17, 1924, by Mond Nickel Co. at Coniston. Was transferred to

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Table Groups at the Big Dinner



In the first picture above is a view of the head table at the Quarter Century Club dinner-meeting. The seating arrangement, clockwise, was: H. J. Muir, general supt. of mines; Miss Mary Owens, Copper Cliff; E. C. Lambert, works auditor; Miss A. Colquhoun, Coniston; J. C. Parlee, assistant general supt., Mining and Smelting Division; Miss Ivy Reynolds, pensioner; R. H. Waddington, general supt. of refineries; Miss Louise Schofield, Copper Cliff; John Gribble, pensioner; Jack Gallagher, pensioner; Dr. H. F. Mowat, chief surgeon; R. D. Parker, assistant vice-president and general supt., Mining and Smelting Division; E. A. Collins, pensioner; Dr. John F. Thompson, president; R. L. Beattie, vice-president and general manager; I. J. Simcox, general asst. to the vice-president; George Hartman, pensioner; W. T. Waterbury, asst. to the vice-president; Tommy Erwin, pensioner; F. Benard, manager industrial relations.

In the second picture is the group at one of the tables with Tod Lee, pensioner and now Admiral of the Fleet at Whitefish Falls, seen third from the right. Other table groups appear on Page 6.

INCO FAMILY ALBUM

Here's the warmest of wishes for a Merry Christmas to: (1) Mr. and Mrs. Eddie Derochie (Copper Cliff Smelter) and Lillian, 14, David, 4, Joe, 10, Margaret, 15, John, 13, Carolyn, 9, Jacqueline, 16, Darlene, 12, Roberta, 11, Peter, 7, and Mary Louise, 5. (2) Mr. and Mrs. Andy McLean (Coniston) with Garnet, 8, Ethel (Mrs. H. Grimard), Jerry, 7, Joyce, 16, Andy, 10, William, 12, and Donald, 14. (3) Mr. and Mrs. Tom Mullens (Froed-Stobie) with Sonny, 11, Marjorie, 9, Joyce, 13, and Janet, 14. (4) Mr. and Mrs. W. Hykin (Levack) with Clifford, 14, Joyce, 21, Joan, 17, Albert, 19, Lillian (Mrs. Matti Taomi), and Bruce; absent are Hilda (Mrs. Jim Short of Toronto) and Irene (Mrs. Ivan Nelson of Noranda). (5) Mr. and Mrs. Austin Stevens (Lawson Quarry) with Jim, 14, Joyce, 8, Jean, 10, Max, 4; away at school is Bill, 16. (6) Mr. and Mrs. E. Hannah (Port Colborne) with Judy, 18 mos., Barbara, 11, and Eddie, 13. (7) Mr. and Mrs. Albert Ouellett (Murray) with Paul, 8, Helen, 6, and Ronnie, 2.





17-Year-Old Girl Successfully Leading Cub Pack of 42 Boys

Under the direction of a spirited young miss whose flair for leadership is proving a real asset to her community, the Wolf Cubs at Creighton Mine are well into another winter season of worthwhile activity.

Barbara Trembley, 17-year-old daughter of Mr. and Mrs. Vic Trembley, is the young lady who is making such a success of leading the Creighton pack. Barbara, who commutes to Copper Cliff High School where she is in Grade 12, got interested in Wolf Cub work in April of last year when she pitched in to help Glenys Thomas, then cubmistress. When Glenys enrolled for nursing training at St. Michael's Hospital in Toronto, Barbara took full charge and has been going like a house afire ever since, with the able assistance of Shirley Connors and Jack MacDonnell.

Scoutmaster Stan Wright has the highest praise for Barbara's work with the Cubs. She has little or no trouble with discipline, he says, and the boys are making excellent progress under her instruction.

In addition to the regular program of Wolf Cub training, Barbara keeps her young charges busy with various special projects. For instance, during recent weeks they have been making toys for Christmas gifts, and these will be on display at the Parents' Night which the pack is planning for sometime in January.

In the above picture layout some of the 42 cubs in the Creighton pack are seen during a typical evening's activity:

1. Cubmistress Barbara gives a group a lesson on the composition of the Union Jack. Paying careful attention are (from top right) Pat Murphy, Jeffrey Luck, Danny Metroff, Peter Oleksiuk, Bob Haustrowner, Larry McLaughlin, Donny Pierini, Dennis McLaughlin, Wayne Stead, and Royal Smith.

2. The intricacies of the reef knot are explained by the cubmistress to (from the left), Tony Kramarich, Dick Trembley, Jack Hamill, Greg Moffatt, Early Waytwich, Gary Moffatt, and Sandy McKee.

3. A "physical jerks" session midway

through the evening gives the boys a chance to work off excess steam.

4. The cubmistress passes on some Wolf Cub lore to a group of newer members of the pack: (at the back) Robert Wellington, Martin Simes, Ross Blum; (seated, from the left) Lance Morbin, Frank Resetar, Larry Brownley, Ian Simpson, Stanley Behenna, Albert Barbe, Nick Dudar, Rolly Lisum, Mike Wayne, Murray Jalsic, Douglas Morbin, Dick Pentney, Cecil Johnson.

5. "Hi" is the cheery greeting from Creighton Cubs to the world, signalled here with flags by Donny Cassell and Sam Waytwich.

6. Scoutmaster Stan Wright dropped in to make sure everything was going smoothly, and is seen discussing Cub training with Cubmistress Barbara.

SINCERITY

Sincerity's my chief delight,
The darling pleasure of the mind;
O that I could to her invite
All the whole race of humankind;
Take her, mortals, she's worth more
Than all your glory, all your fame,
Than all your glittering boasted store,
Than all the things that you can name,
She'll with her bring a joy divine,
All that's good, and all that's fine.

—Lady Chudleigh.



First Family Christmas in 21 Years

Stana Pepsich is 21 years old but this will be the happiest Christmas she has ever had because it'll be the first one she has spent with her father. Dan Pepsich left Yugoslavia before his daughter was born to make a home for his family in Canada. His wife and Stana joined him this year, getting to Italy with help from the underground and sailing to Montreal from there. In the pic-

ture Dan (right) breaks bread in the traditional ceremony at a Patron Day dinner with Nick Buchanan, Copper Cliff Smelter worker. His wife and daughter stand beside him, and in the background is Mike Spanovich, also of the Smelter and formerly at Port Colborne Refinery. Dan has been employed at Frood for 18 years, and at present is a pillar leader on 1,600 level.

Dr. Thompson Presents Buttons

(Continued from Page 13)

Copper Cliff on Aug. 8, 1932 and returned to Coniston in June of the following year. Became a sampler on Feb. 21, 1944.

Giuseppe Comacchio: Born in Italy. Married. Employed by Mond Nickel Co. at Coniston on Nov. 18, 1920. Promoted to crane-man on Nov. 1, 1938, after working as car shop helper and miscellaneous fitter.

Luigi Oliver: Born in Italy. Married. Employed Nov. 12, 1923 by Mond Nickel Co. at Coniston. Transferred to Copper Cliff as a mechanic in August of 1932, and became a car repair helper in 1935. Is now a maintenance mechanic, second class.

Frank Revals: Born in Canada. Married. Employed by Mond Nickel Co. Jan. 17, 1924 at Coniston in the machine shop. Became a charge mixer in the sinter plant in 1943.

Xavier Lalonde: Born in Canada. Married. Employed by Mond Nickel Co. at Coniston on April 30, 1924. Promoted to sintering machine man on July 31, 1935. Fourth of his family to join the Quarter Century Club.

Steve Chorney: Born in the Ukraine. Married. Employed by Mond Nickel Co. at Coniston Feb. 4, 1924. Became a slag dump helper in 1942 and a slag dump man in 1943.

J. Harold Gagnon: Born in Canada. Married. Employed by Mond Nickel Co. at Coniston on Dec. 31, 1923. Worked as binman, brakeman, and baleman. Is now puncher on the converters.

Sylvio Floreani: Born in Italy. Married. Employed by Mond Nickel Co. on June 18, 1923, at Coniston. Became a weighman in January of 1933 and a matte lifter on the converters in 1943.

Martin Girolametto: Born in Italy. Married. Employed by Mond Nickel Co. at Coniston on Nov. 22, 1923. Has been a skimmer on the converters for many years.

August Weloski: Born in the Ukraine. Married. Employed by Mond Nickel Co. Oct. 6, 1923, at Coniston. Worked as a track laborer and tye puncher before becoming a baleman in 1933.

Joseph H. Revals: Born in Canada. Married. Employed by Mond Nickel Co. at Coniston on May 2, 1923. Also has long experience as a skimmer on the converters.

Philip Storzak: Born in the Ukraine. Married. Employed by Mond Nickel Co. at Coniston on August 18, 1923. Has had lengthy experience as a blast furnace feeder.

Arvo Bontinen: Born in Finland. Married. Employed Jan. 23, 1923 by Mond Nickel Co. at Garson Mine. Became a driller in 1931 and a junior stope boss in 1944. Became a powderman in June of 1948, his present occupation.

Arthur Simond: Born in Canada. Married. Employed May 30, 1923, by Mond Nickel Co. at Levack Mine. Has worked as driller, fire guard, powderman, and fill raise tender. Is now pumpman at No. 7 Shaft, Frood-Stobie.

Gaston Rosset: Born in Canada. Married. Employed at Copper Cliff May 25, 1923, as a laborer. Became a carpenter in 1925, and transferred to Frood Mine in 1926. Promoted to carpenter "A" leader in April of 1946.

Steve Burke: Born in Austria. Married. Employed at Creighton Mine on April 22, 1924 as a rigger's helper. Became a compressor man in 1925 and is now a powerhouse engineer, third class, at Frood-Stobie.

Elmo W. Wirta: Born in Finland. Married. Employed March 8, 1923 by Mond Nickel Co. at Garson Mine. Presently employed as tool fitter at Frood-Stobie Mine.

Edmond Cayen: Born in Canada. Married. Employed Jan. 13, 1923 at Creighton Mine as trammer. Transferred to Frood on June 10, 1938. Since Sept. 29, 1948 has been salvage boss on surface at Frood-Stobie.

Frank Milligan: Born in England. Married. Employed at Creighton Mine June 19, 1923 as machinist. Since 1943 has been machinist, first class, at Creighton.

Leo McLaughlin: Born in the United States. Married. Employed Nov. 14, 1923 at Creighton Mine as drill helper. Worked as timberman and hoistman. On Dec. 2, 1947 was

promoted to hoist inspector, his present occupation.

John Poutanen: Born in Finland. Married. Employed Jan. 29, 1923 as driller at Creighton Mine. Has had full experience as underground miner. Became sanitary nipper on June 1, 1948.

Fred Semeniuk: Born in the Ukraine. Married. Employed at Creighton Mine June 14, 1923 as timberman. Promoted to shaft inspector Sept. 16, 1923. Transferred to surface as a dryman August 17, 1948.

Dmytro Roznowski: Born in Austria. Married. Employed May 1, 1923 at Creighton Mine as top-lander. Became skiptender Oct. 1, 1926, his present occupation.

Victor Galipeau: Born in Canada. Married. Employed at Creighton Mine Sept. 12, 1923, as a rockpicker. Promoted to picker boss in 1943. Became a maintenance mechanic, first class. Is now a plateworker, first class.

William Wikman: Born in Finland. Married. Employed Dec. 11, 1923, as trammer at Creighton Mine. Had full experience as miner and shaft inspector. Presently employed as skiptender at Creighton.

Baptist Cayen: Born in Canada, brother of Edmond Cayen. Married. Employed at Creighton Feb. 23, 1923 as trammer. Promoted to senior stope boss April 16, 1939. Became skiptender Sept. 24, 1947.

Nicholas Wolos: Born in Russia. Married. Employed as driller at Creighton Mine Nov. 21, 1923. Has worked at various jobs including shaft inspector. Presently employed as skiptender.

George Mitchell: Born in Scotland. Married. Employed Jan. 8, 1924 at Port Colborne. Transferred to Copper Cliff March 14, 1932 as crane-man at the smelter.

"HOPE SPRINGS ETERNAL"

"Have you noticed how untidy Old Maid Jones' house has become lately?" asked the first gossip.

"Yes," replied the second, "ever since the minister said, 'Men sprang from dust' she quit sweeping under the bed."

UP WENT THE EYEBROWS

The Vicar's wife had just died, and wishing to be temporarily relieved of his duties, he wrote to his bishop:

"I regret to inform you that my wife has just died. Will you please send me a substitute for the weekend."

SAVE THE PARENTS!

Two modern youngsters were discussing the subject of piggy banks.

"I think it's childish to save money that way," little Mary opined.

"I do, too," Annie replied. "And I believe also that it encourages children to become misers."

"And that's not the worst of it," Mary exclaimed. "It turns parents into bank-robbers."

Great minds must be ready not only to take opportunities, but to make them.

—Colton.

THE FRONT COVER

Young, medium, and old alike paused in the hustle and bustle of their Christmas shopping to watch the three amusing little wooden figures dancing their endless jig in a window of Canadian Department Store, Sudbury. With the kind co-operation of W. E. Goodearle, manager, and Jack Pickard, display manager, the Triangle camera was able to catch some candid pictures of people as they stopped to watch the tireless dancers. The scene seemed to us to capture a bit of the happy spirit of Christmas, so we used it for a cover.

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