

# INCO TRIANGLE

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*Hungry Hunters*

(Story On Page 16)



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## Sixty Years in Canadian Mining

(From an address by R. D. Parker to the Toronto branch of the Canadian Institute of Mining & Metallurgy, March 16, 1961).

I am certainly not coining a phrase, but it is a far cry from the foot-slogging prospector to his modern counterpart moving swiftly about by aircraft; from his pick and shovel to the sensitive geophysical equipment and light-weight diamond drill used in exploration today; from the piston drill, or for that matter, the single or double jack, to the modern light-weight air leg and detachable or carbide bits; from the laborious driving of the untimbered raise to the quick efficiency of the new raise machines.

Yes, and from the hand-mucking era to the modern shovel-loader and electric scrapers; from hand-tramming to the electric locomotive; from horse and steam hoisting to today's powerful heavy-duty electric.

There are few here tonight who ever saw an arrastre, or even the steam stamps that have given way to our big cone crushers, and ball and rod mills.

Since the turn of the century — mark you, only 60 years — we have also seen our milling practice advanced by the development of flotation and flotation reagents, magnetic separation, vibrator screens, the broad application of rubber for transport, and the use of alloy steels in grinding and other highly abrasive operations.

Damaging out door roasting was replaced by roasters and the fumes put to commercial use; the reverberatory furnace with suspended roof found its niche; basic converters were adopted.

The first electro refining of copper in Canada was initiated in 1930. And also more recently, we have seen the invention of the distillation method for producing magnesium, the ammonia leach process for recovery from both sulphide and oxide ores, flash smelting and fluidized solids roasting.

On the humanitarian side, the mining industry has matched these achievements, step for step, with its provisions for the health, safety and welfare of its employees. A careful study of our industry would reveal a higher standard of health and a lower incidence of accidents among employees than in any other primary industry in the country. It has been a pioneer in this work, which it considers one of its highest responsibilities to society.

## The Poets Are Missing a Bet



*The poets blush at the tenderness of Spring, warm to the loveliness of Summer, weep with the sadness of Autumn, and tread in awe of the majesty of Winter. What they should get around to exclaiming about is the fifth Season, which for sheer impact on the emotions and habits of a multitude — in the Nickel Belt at least — leaves those other four old-timers flat on their iambics. This is the Curling Season, and we greet it with a photograph of Mrs. Billie Lake of Levack, which shows the very nice kind of people it affects. Curling, anyone?*

## Brynolf Poutanen

Familiarly known as Poika to his many friends at Creighton, Frood-Stobie and Copper Cliff electrical gangs, Brynolf Poutanen laughingly recalled his lack of English when he first started at Creighton in 1924. "It was tough at first," he said, "but I wrote the names of all equipment down in Finnish then had them translated to English, which I memorized."

Retired now on early service pension he and his wife are enjoying very much a life of leisurely activity at their home near Lake Penage.

Born at Leningrad in 1896 he was raised in Finland. "My father was with the Finnish railroad and was stationed for a year in Russia." After a short apprenticeship as a printer Brynolf joined the railroad too and it was in the maintenance gang there that he gained his early electrical experience.

Hearing of the fabulous Sudbury district before leaving Finland he

came directly to this area after arriving in Canada late in 1923. Signing on at Creighton in the spring of 1924 he was posted to the O'Donnell roasting yard in 1926 and returned to Creighton in 1929. Two years later, with work on short rations, he returned to Finland on leave but overstayed a couple of years when he found steady work there.

Returning in 1934 he rejoined



Mr. and Mrs. Poutanen

Inco, this time at Copper Cliff and then in 1940, with Stobie construction underway, worked there as a leader. Later, when Stobie came into production, he went to Frood and worked there until retirement. "I think I liked that Stobie construction best," he reflected.

Martha Holapainen became his wife in 1921. Their daughter Helka is married to Tauno Piilonen of Frood, and they have two grandchildren.

With retirement in mind Brynolf built himself a comfortable home a couple of years ago on the Lake Penage road. "I like it here," he said happily. "I have a good garden, lots of good fishing close by, plenty of wood, and best of all, low taxes."

## LARGE POWER CONSUMER

The electric power used by each of the three electric furnaces at International Nickel's smelter at Thompson, Manitoba, is sufficient to furnish electricity for a residential area of over 100,000 people.

# INCO FAMILY ALBUM



Mr. and Mrs. Frank Meleskie are very proud of their fine family, and who could blame them. Richard, at 13, is the senior member of the tribe and the others are Rochelle, 10, Marcia, 6, Michael, 5, and Jacqueline, 2. A plateworker at Stobie mine Frank is an ardent duck hunter.



From Levack this month we have the Wilf Savards. Shown with Wilf, who is on the time office staff at the mine, are his wife Anita and sons Mickey, 10, and Bruce, 4.



Mr. and Mrs. Mario Tarini with Frank, who is a school principal in New Sudbury, Carlo, at high school, and Laurie, who is 7. An old-timer on the reverb furnaces at Copper Cliff, Mario has lived in the smelter town most of his life.



A miner at Creighton since 1950, Wilfred Benoit is pictured here with his wife Marthe and their sons Ferne, who will be 9 on December 11, and Marcel, 2½. Wilfred hails from New Brunswick and likes it with Inco.



"We are going to send this picture to Grandma," announced young Brian, 3, shown with his parents, Ralph and Shirley Fish, at Thompson. A Nova Scotia man, Ralph works in the warehouse. He came to Thompson from the Port Colborne refinery.



Captain of Kirwan's Killers, one of the hottest teams in shift league softball last season, Tom Kirwan lives in Lively and works at the Iron Ore Plant. Here he is with his wife Audrey and their brood: Bobbie, 11, Frank, 7, Carole, 5, Wayne, 4, and Janet, 3.



A happy little clan are the Bill Buchanans of Port Colborne. The children are Blair, 8, Wendy, 7, Gail, 5, and Heather, 17 months. Bill has been with the Inco research department for nine years, seven of them at Copper Cliff. He is a shift supervisor.





## More Birds in the Air Than a Starlings' Convention at Garson Employees Club

For a prime example of vital activity visit the Garson mine Employees Club any Saturday afternoon between 1.00 and 5.30. That's the time junior club activities are in full swing and with grade schoolers that means action, constantly! A cooperative effort between the club and the extension branch of the YMCA, some 105 youngsters from grade 4 through grade 7 are enrolled.

The kids not only have fun but also learn to be better sports by becoming better at sports. Orville Cull and his wife Madeline maintain control on the bowling alleys and this includes keeping score, arranging teams, settling arguments, coaching and giving pointers on the fine art of 5-pin bowling. The youngsters are very keen and many have developed good style and creditable scores.

Meanwhile back upstairs Rene Paquette and Bob Hume have the badminton courts so active with kids and alive with birds it resembles a starling's convention. Instructions and coaching are given here too and Rene is confident that some excellent players will come out of the batch.

Most of the pre-teens participate in both bowling and badminton. Then, as a windup, movies

are shown, picked to be interesting, educational and amusing. This phase of the project is handled by Rod and Mrs. Tate's regular Garson High Y group.

In its second season, the activity is so popular this year that club facilities are barely able to accommodate the crowd. "We may have to limit the enrolment another year," said club liaison officer Tom Scanlon.

## Joe Barcay

A balesman on the reverberant at Copper Cliff nearly all his Inco years, Joe Barcay has retired on disability pension. A troublesome chest condition convinced him this was a wise move and he is now living comfortably in Sudbury.



A bachelor who claims he enjoys the single state, Joe says that when he was younger he was too busy to get married.

"I was always on the move," he grinned, "no time much for girls."

Arriving in Canada from his native Slovakia in 1928 he worked his way right across Canada before settling in Sudbury in 1941. Montreal, Chatham, Little Long Lac, Winnipeg and a score of other towns clear out to the coast played host to Joe during those years and he tried his hand at many different jobs.

He started with Inco in 1941 in the nickel reverberant department at Copper Cliff. A dependable workman, he will be missed by his old gang.

Last year Joe took his first trip back to the old country and he may go again next year. Meanwhile he has his own home in Sudbury which gives him a comfortable place to live and also an outlet for some of his energies.



## Liked and Respected by Everybody, John Bolkovac Retires at Creighton

Mine superintendent E. E. Mumford is shown as he thanked dryman John Bolkovac for his fine service to the Company and wished him much happiness in retirement. In the group are representatives of the various mine departments. John was liked and respected by everybody.

A dryman at Creighton no. 5 shaft for the past 10 years John Bolkovac has retired on early service pension. He started at Creighton in 1936 and worked underground in the stopes before coming to surface in 1951. From 1929 to 1935 he worked underground at Frood.

Born in Yugoslavia 64 years ago, John along with a number of his countrymen was brought to Canada in 1925 for western farm labor. He farmed around the Edmonton area for two years, then came to Ontario and worked a year

at the Anchorite mine in the South Porcupine camp. When it closed in 1929 he came to Frood.

John quit mining in 1935 and returned to the old land where his wife and three daughters still lived. He returned to Canada the following year but the only member of his family to follow was Annie, who came over in 1957 and is now Mrs. John Valic. Barbara and Mary are his other two daughters, and he has five grandchildren.

John plans on staying with his daughter here and spending a lot of time with his grandson. A trip

back to the old country is scheduled for next year but "only for a visit — after 36 years in Canada this is my home."

Before he left the mine after his final shift John's many friends there presented him with their best wishes and a complete travelling case.

### QUESTION AND ANSWER

Wife: Don't you think, dear, that a man has more sense after he's married?

Husband: Certainly, but it's too late then.



Final wreaths to be laid on the cenotaph in Sudbury Memorial Park on Remembrance Day are brought forward by Lieut.-Col. E. H. Capstick, commanding officer of 58th Light Anti-Aircraft Regiment, RCA; Major

E. C. Harber, commanding officer of 33rd Technical Squadron, RCME; Wing Commander William Garton, commanding officer of the RCAF station near Falconbridge.

## Remembrance Day Service Drew Largest Gathering in Many Years

Although it is 43 years since the end of the First World War, and 16 years since the second, the memory of the men and women who gave their lives is still fresh in the hearts of those for whom they died.

The Remembrance Day service in Sudbury Memorial Park on November 11 drew the largest crowd in many years. "In these days of so much international trouble and tension," one citizen said afterward, "it looks as if people are even more conscious than ever

before of the ideals for which those two wars were fought, and all those lives sacrificed. With our democratic way of life in such danger, perhaps many of us are only now fully realizing the true value of that sacrifice."

A great parade, representing all branches of the armed forces, district branches of the Royal Canadian Legion, army, navy, and air force cadets, Girl Guides and Boy Scouts, moved through the city streets to the stirring music of six bands.

More than 200 wreaths were laid on the cenotaph. The first was placed by a Silver Cross mother, Mrs. Ethel Maloney, who was escorted by Major-General Christopher Vokes.

Remembrance Day services were held also in Levack, Coniston, Falconbridge, Chelmsford and Lively, where large gatherings of the people took part.

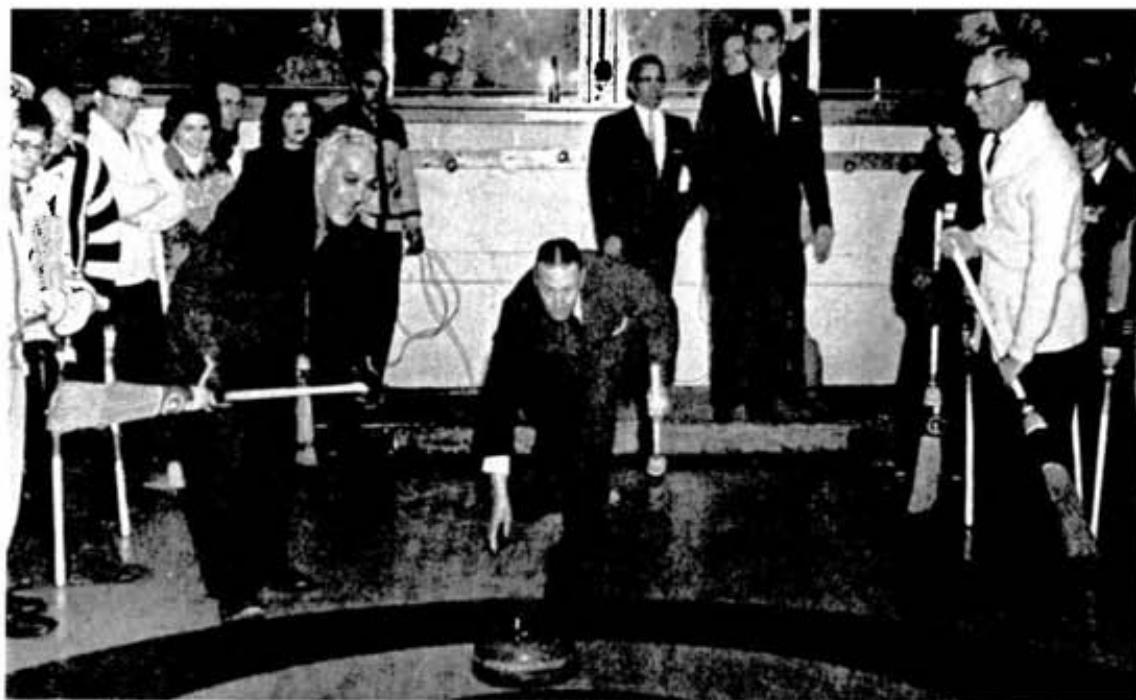
In an address to the Copper Cliff branch of the Canadian Legion, Major-General Vokes gave his

opinion that there would be another world war, and that it would be fought with conventional arms. He said all countries of the West should raise their armed forces and equip them with modern conventional weapons to put them on a parity with the Russians. At the same time, he said, the West should keep advancing nuclear weapons as a deterrent to nuclear war, because "no politician is going to start a war in which his own country will be destroyed."



Major-General Christopher Vokes acknowledges a gift from R. L. Beattie branch of the Canadian Legion, which he addressed at its annual Remembrance Day banquet. At the head table with the distinguished retired Canadian army officer are shown Richard Dopson, who made the presentation; Leo Troy, MLA, North Bay, a Legion provincial

command officer; Rodger Mitchell, MP, Sudbury; R. H. Waddington, vice-president and general manager of Ontario division, International Nickel Company of Canada, Limited; Norman Ripley, vice-president, and Bill Van Allen, president, R. L. Beattie branch; Richard Dow, mayor of Copper Cliff.

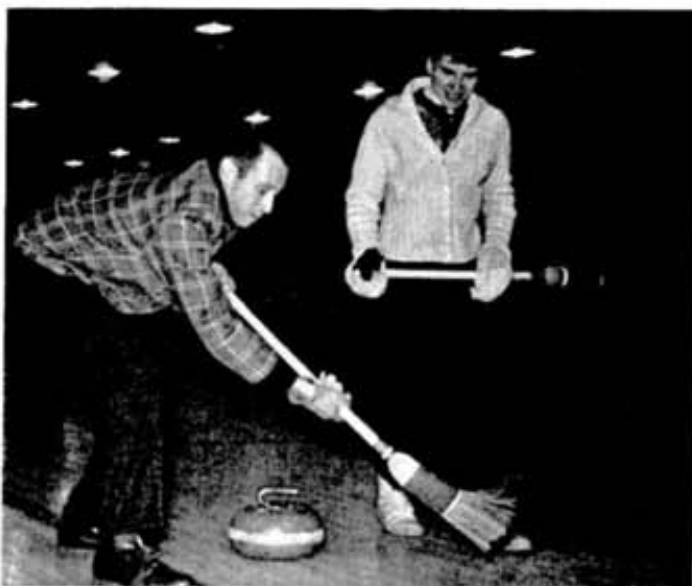


## Gala Event

Inco vice-president Ralph Waddington threw the official stone to open a bonspiel celebrating the installation of artificial ice in the Levack curling rink. Here he gets away a nice draw-weight rock that needed no sweeping from the broomsmen, Frank Palumbo, chairman of the club's finance committee, and Earl Gilchrist, Levack's mayor. In the background are Orme Purvis, curling club president, Ernie Hilton, bonspiel chairman, and Vern Ritzel, Levack mine superintendent.



The time office's Doug Wright calls for the in-turn from his wife Ollie, who was his vice skip in the 40-rink two-day 'spiel the weekend of November 18. The event had a festive spirit as the club's long-cherished dream of artificial ice at last came true.



Among the newer curlers is Don Mitchell, mechanical department rigger, seen here in the back. Centre picture shows Gerry Martyn of the mine

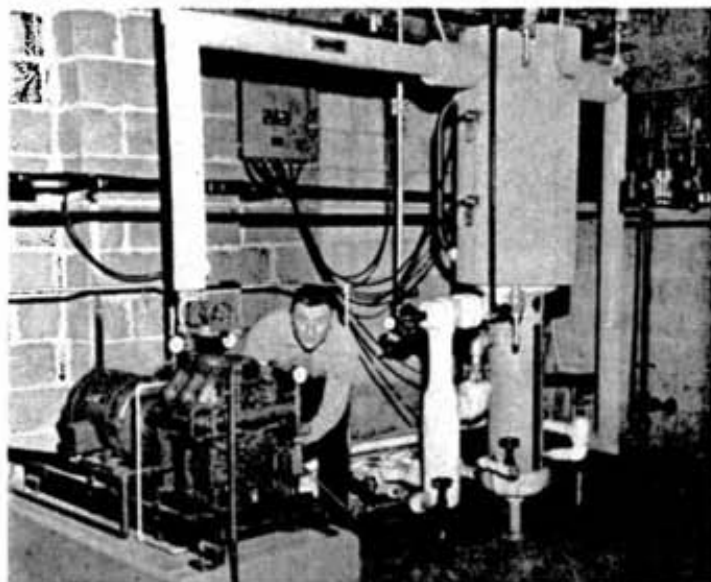
engineering department and his wife Donna bringing along a lazy stone. On the right is Stan Plaskos's wife Yvette, displaying champ form.



Barbara Lennie and Don McKelgan are the sharply garbed curlers on the left. Centre, Ernie Hilton, Orme Purvis, and assistant mine super-

intendent Tom Parris thank R. H. Waddington for his donation of a trophy. On the right are Dr. Charles Jessop and Marian Rickaby.





The compact new ice plant at the Levack curling rink, a liquid recirculating ammonia system, is fully automatic and the most modern obtainable. The building in which the plant is housed was put up by voluntary labor of the club members. Here Bob Mornan, mill mechanical foreman, is seen making an adjustment to the compressor; he is the club's official ice plant engineer.

## Levack Curlers Realize Big Ambition

All curling bonspiels have a certain festive air to them, but this season's opening 'spiel at Levack was something extra special. It celebrated the installation of artificial ice in the four-sheet rink, an event to which the peppy club's membership had been looking forward for a long time.

The ice plant was a community project. Given the green light by Inco, the curling club's finance committee of Frank Palumbo, Ernie Hilton and Terry Hamilton hustled the necessary \$18,000 among club members, businessmen and other citizens of the town.

Volunteer labor by club members took care of building an addition to house the ice plant, as well as preparatory work such as laying sleepers, levelling, and improving

drainage. Some 50 members were active in this phase of the project.

Inco vice-president R. H. Waddington officially opened the gala bonspiel, a mixed event with an entry of 40 rinks. He congratulated the Levack curlers on their enthusiasm and initiative, and said he took much pleasure in donating a trophy for annual club competition.

Club president Orme Purvis took part in the opening ceremony and then went on to skip the winning rink in the bonspiel, assisted by none other than the bonspiel chairman, Ernie Hilton, and their wives Lil and Estelle. Runners-up in the first event were Frank and Fay Corkal and Dar and Ade Storey. The second event winners and runners-up were skipped by

## Meeting the Vaniers a Golden Wedding Thrill



A special thrill for Mr. and Mrs. Roy C. Barnes on their golden wedding anniversary was the honor of being presented to the Governor-General and Madame Vanier during the vice-regal visit to Sudbury. Roy Barnes and Ethel Keir were married at Parry Sound on October 25, 1911. They lived for 40 years in Copper Cliff, where Mr. Barnes was in charge of the files, mailing, and telegraph key at the Inco general office. On his retirement on pension in 1949 they moved to Sudbury. Their three sons, Bill of Willowdale, David of Sudbury, and Morley, of Toronto, their daughter Mrs. John D. Giddon of Woodstock, and their six grandchildren all attended their anniversary celebration.

B. Thompson and R. Lake, and in the third event final the skips were T. Hamilton and F. Palumbo.

Levack Curling Club has a total membership of 370, of which 160 are men, 110 women, and 100 girls and boys. President of the ladies' section is Mrs. Ruth Mornan.

### EASY NOW, ALBERT

The young father, pushing a baby carriage in the park, seemed undisturbed by the howls coming from the carriage.

"Easy now, Albert," the father kept saying. "Control yourself. Keep calm."

Another howl rang out and again the father murmured:

"Now, now Albert. Keep your temper."

A young mother passing by remarked:

"I must congratulate you. You know just how to speak to babies — calmly, gently."

She patted the youngster on the head and cooed: "What's bothering you, Albert?"

"No, no," the father said. "His name is Johnny. I'm Albert."

### PLATINUM CATALYST

An important application of platinum is found in its use as a catalyst in the manufacture of high-octane gasoline, and chemical and pharmaceutical products. Platinum is one of the 14 elements produced by Inco from its Sudbury district ores.



Playing this one in comfort behind the plate glass, at Levack's season-opening bonspiel, are seen Ernie and Dorothy Buckingham, Bud and Joan Rodd, Helen Brown and, standing, Pat Camelon, Stan Plaskoski, and Evo Piccolo.

## An "All-Inco" Wedding

Ann Sheltz, mines department stenographer at Copper Cliff, made a beautiful bride on September 9 when she was married at St. Mary's Church, Sudbury. Her handsome husband is Bill Kozak, who is a slusher operator at Murray mine. They went to Vancouver for their honeymoon.





## The Engineers

The other afternoon the Triangle's roving camera looked in on the Frood mine engineering department and found a busy scene. During the morning some of the staff had been underground, surveying development headings and stopes, taking samples and measuring boreholes. Now they were plotting this field

work and bringing their records up to date while the others were planning mining areas, making layouts and doing statistical work. On the left above Earle Dunn and Fred Morisset are discussing the layout of an ore pass ramp. On the right a group of the senior engineers, Carl Heldman, Gerry Smith, George Burwash and Bud Osborne, are planning a future mining block with the mine engineer, Robert Hall.



Stope engineers Don McGinn and Fred McLaughlin were correlating field measurements and Doug Marshall was updating the tonnage log. Eddie Turcotte, Bob Corrigan and Art Hughes, a development party in the blasthole area, were busy at another table calculating and plotting

their field notes. Below, left, Gerry Mulligan, Alex MacDonald, Colin Reed and Gerry Smith are seen examining a model of a blasthole mining area.



George Fleming, Don Sirkka, and Wes Petheram, a development party in the fill mining area, were checking a transit head.

In the blueprint room Art Maki was turning out a print while Bob Park studied a drawing he wanted to have printed next.





## Henry Silvestri

A second generation Inco pensioner, Henry Silvestri has retired from the converters at Copper Cliff after working there 30 years. His father Pietro had been an Inco pensioner for 10 years when he died in 1941.

Raised in Copper Cliff from the age of six — he was born in Italy — Henry took his first job at a very early age as a rockpicker at the old Copper Cliff no. 2 mine. He worked there until the mine closed in 1917 and again later when it reopened. In 1923, after a year in Toronto, he started in the smelter on the charge floor but was laid off the same year.



Mr. and Mrs. Silvestri

Later he worked five years as a cement finisher in Cleveland but in 1930, after a visit to Canada, he was denied re-entry to the States so returned to Copper Cliff and the following year got a job on the converters. A conveyorman the past 18 years, he had previously worked as a puncher.

He and Mary Bartolomeo were married in 1928. Their son George and daughter Norma (Mrs. B. O'Rourke) both live in Sudbury. Baby-sitting their 10-months-old granddaughter is one of the Silvestris' favourite pleasures these days but otherwise Henry is taking things real easy.

## Kalle Maenpaa

Another happy Inco pensioner is Kalle Maenpaa. Long-time resident of Garson where he is held in high regard, Kalle has retired from the mine there on service pension and is now enjoying his new life.



Mr. and Mrs. Maenpaa

A toolfitter on 1400 level for almost 20 years, he had worked previously as a level timberman. He first worked at Garson early in 1929, moved to Frood in 1933 and left there in 1935. Rejoining the Company at Frood in 1935, he returned to Garson when that mine reopened in 1937.

Born in Finland in 1896, Kalle came to Canada in 1926, working for a time at Port Arthur before coming to Garson in 1928. He



Proudly throned in the handsome "take it easy" chair with which he was presented at his big retirement party in the Copper Cliff Legion hall is Pino Montesi, surrounded by some of the friends and workmates who turned out to do him honor.

## Pino Montesi a Smelter Man for Over 42 Years

Pino Montesi started work for the Company back in 1918. "I came over from the old country in 1914," he recalled, "but I couldn't get a job here then. 'I was only 17 years old anyway.' He lived for a time with a sister in Copper Cliff.

Retired now on early service pension he is in the best of health and enjoying to the full his new life of leisure.

During the shutdown in 1921 he was laid off for a time and in 1931 worked for a year on the reverber-

furnaces, but for the rest of his Inco service he worked on the blast, cupola and electric furnaces. The last dozen years he was tapper on the electric furnaces.

He was married to Ludovina Tomassini in 1924. Members of their family are Edna, whose husband Tom Signoretti is in the line gang at Copper Cliff, Evelyn, wife of Attilio Valentini of the concentrator, Lorraine, married to Frank Zanatta of smelter research, and 19 year old Junior at high school. They have seven grand-

children.

The family camp at Whitewater Lake will see more of Pino now and he'll also get more time to work in his garden, which he greatly enjoys. Pino has a safety record to be proud of. In all his 42 and more years at the plant he lost only one day from injury.

### RELIGION A LA CARTE

First cannibal: "Gosh, I forgot the roast. That missionary is burning."

Second cannibal: "Holy smoke!"

## Looks Like Good Time Had By All at Refinery Shindig



A few of the 125 couples attending the Copper Refinery Athletic Association semi-annual dance are pictured here during an intermission. From the left are John and Marie Moland, Jim and Pat

Bryson, Larry and Rosalie Martel, Jim Balleny and Ruth Bowman, Roly and Shirley Roy, Grant and Sadie McDougall and Bud and Anne Eles.

Bud's hard working committee

built his own home there that same year, going into the nearby bush and cutting the logs for the outside structure. Today he has one of the neatest homes in the town, complete with sauna.

He was married in 1914 to Hulta

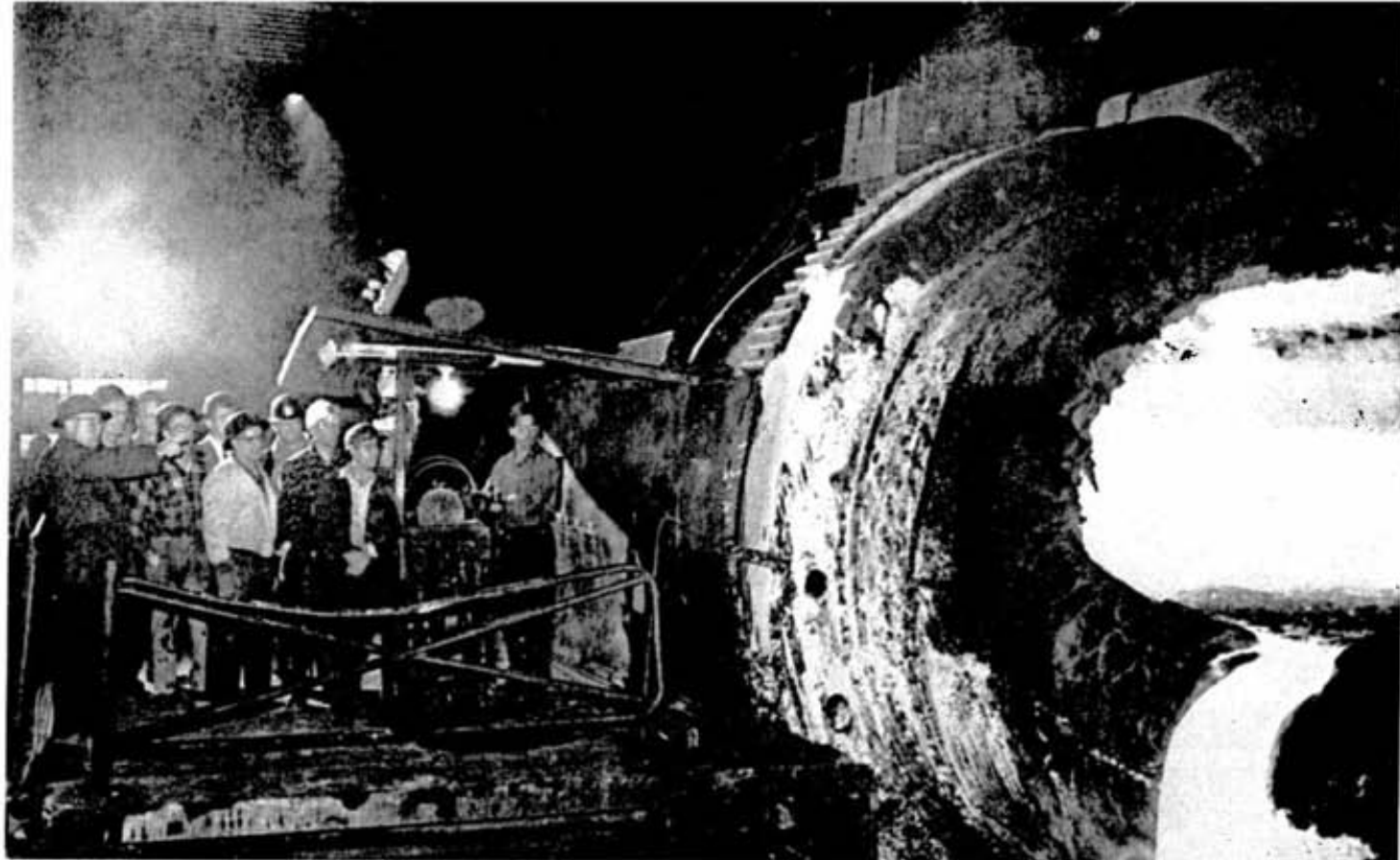
Kuusista, and their son Sulo is a drill fitter at Garson. Their two grandchildren give them a lot of pleasure.

Enjoying his leisure and doing odd carpenter jobs for friends around town, Kalle admits "I feel

of Andy Martin, Jim Tosto and Cecil Mathews made this another fine night out for many refinery couples and their friends. Ricky Lamoureux supplied the sweet music.

real good and I like this life." He and his wife may make a trip back to Finland next year.

Before you flare up at someone else's fault take time to count ten — of your own.



Shift boss Denis Thyne conducts an on-the-job demonstration of skimming slag from one of the big converters at Copper Cliff smelter.

## Copper Cliff Does It Again!

Setting a torrid pace in the safety race is the Copper Cliff plant, which on October 16 completed 100,000 consecutive safe shifts without a lost-time accident.

This was the second 100,000 for Copper Cliff in 1961. The plant also ran from July 19 to August 17 without a lost-time injury. Now all ranks have their sights set on making it three 100,000's in one year, which would equal the plant's record established in 1949 when it scored 100,000 three times during the period between July 19 and November 21.

When a plant achieves 100,000 safe shifts, each man receives a ball point pen. Apparently the boys at Copper Cliff have decided to make this a ball-point-pen Christmas for the whole family.

Six of Inco's major plants in the Sudbury district have broken the 100,000-safe-shifts barrier at least once this year.

On-the-job safety demonstrations and personal contact instruction by supervision, long established at the mines and now being extended to all plants, are given a major share of the credit by the safety department for this great showing.

"We would like to congratulate every man who has had a part in making 1961 such an outstanding safety year at Inco," safety superintendent A. E. O'Brien said, "and we would like to add a special tribute to the members of supervision whose co-operation and efforts have made it possible."



In the carpenter shop sub-foreman George McRae gives a demonstration of the safe correct way of operating a rip saw.

Below LEFT: Mill shift boss Vic Morbin is demonstrating the proper way to coil water hose, an important feature of the good-housekeeping program. RIGHT: In the electric and blast furnace department Albert Poulton, electric furnace boss, shows how to hook up to the drop ball.



# Rousing Meeting Of 25-Year Men At Port Colborne

Port Colborne branch of the Inco Quarter Century Club went over the 400 mark on November 2 when 86 new members received warm congratulations and were presented with their gold lapel buttons by Ralph D. Parker, senior vice-president of the Company, and Ralph H. Waddington, vice-president and general manager of the Ontario division.

The branch's annual meeting and dinner, held at the Inco Recreation Club, November 2, was thoroughly enjoyed by a gathering of 360. Arrangements were well planned and the program went off very smoothly. The stage decorations drew many admiring remarks.

The large group of new 25-year men received a rousing welcome from their fellow members. Among them was J. Howard Tuck, the plant manager.

"Once again we gather under the crest of our Quarter Century Club to welcome the new members and to warm our hands at the fires of old friendships," senior vice-president Parker said in addressing the meeting.

"I am sure most of you feel, as I do, a growing sense of gratitude each year for this opportunity of getting together with other Inco men of long service, enjoying the atmosphere of good fellowship, and sharing pride in the achievements and strength of the great Inco organization of which we are a part."

The Quarter Century Club gold button, he said, signifies 25 or more years of "service, self-reliance, self-respect, hard work and integrity."

With the 86 new members at Port Colborne added to the roll there was now in Canada, the United States, the United Kingdom and France a total of 4,534 men who have completed 25 years or more of service with Inco. "Our Company places great value on this



Charming French Canadian chanteuse Denyse Ange, with her intimate song stylings, and Eric Badleton, the juggling sensation, were stars of an excellent program arranged by Clarence Beach. Tap dancer Joey Hollingsworth and comedians Ben Silverton and Pat Doyle were also featured. Music was by the Paul Simmons trio.



record of long-standing mutual trust, confidence, and security."

## Recounts Progress

The senior vice-president brought his audience up to date on developments at Copper Cliff in the Company's long-range program for its Ontario operations, briefly describing progress at the new Clarabelle Open Pit, the Copper Cliff North mine, the Crean Hill mine, the fluid-bed roasting plant, and the \$50,000,000 expansion to the Iron Ore Plant.

He referred to the "splendid safety achievements" posted of late at many of the major plants, in attaining the distinction of working 100,000 consecutive safe shifts without a lost-time injury, and said he hoped the Port Colborne plant would soon join those which have reached this coveted goal.

The contribution of skill and experience by Port Colborne personnel in overcoming start-up problems at the new Thompson plant was cited with gratitude by Mr. Parker.

"Each year brings its new challenges, problems and opportunities,

(Continued on Page 16)



Senior vice-president Ralph D. Parker and vice-president Ralph H. Waddington presented gold buttons to the 86 new Port Colborne members of the Quarter Century Club. Here Mr. Parker congratulates the shearing and shipping department's Bill Wallis.



Mrs. George Kern poses happily with the bouquet of roses she received from Nickel Refinery manager J. Howard Tuck on the occasion of her husband becoming a member of the Inco Quarter Century Club. RIGHT: It was a big night for the Concessi men. Gulsepp, the father, an Inco



pensioner since 1949 after over 26 years' service, proudly congratulated his sons Louis and Umberto on also becoming Inco 25-year men. Here they are, flanked by senior vice-president R. D. Parker, vice-president and general manager R. H. Waddington, and refinery manager J. H. Tuck.





Interior view of the new refractory warehouse at Copper Cliff. Handling of material is now greatly facilitated with all brick received in pallet form. RIGHT: One fork lift truck easily handles all incoming and



outgoing material at the new warehouse. Here Bill Townson, who has worked with brick most all his 25 years at Inco, stacks a pallet of brick that has been unloaded from a railroad car.

## 350-Foot Warehouse At Copper Cliff Is "Brick Supermarket"

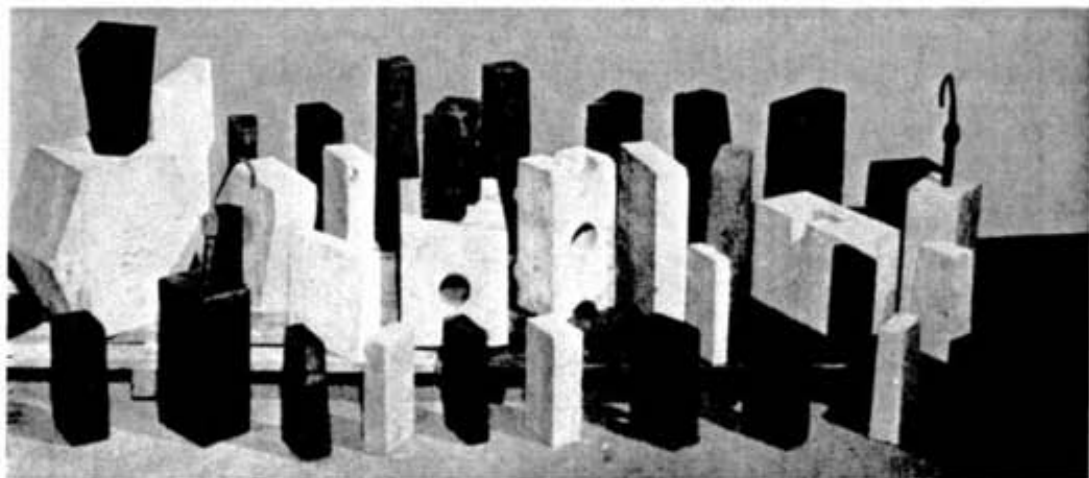
Maintenance of the smelter's many hot metal units — reverberatory, electric and flash furnaces, converters, hot metal cars, roasters, etc., is a never-ending task that requires, among other materials, a vast number of refractory brick each year. Several hundred thousand pieces are stocked regularly, and larger quantities are brought in when big rebuilding jobs are anticipated.

Handling and storing this vital material, a big job at any time, has been facilitated recently with the completion of a modern new refractory warehouse. Located back of the separation building in the lower yard at Copper Cliff, it now contains all refractories that had previously been stored at several locations throughout the plant.

A steel and asbestos board structure 350 feet long, 80 feet wide, and over 30 feet high, the new warehouse is designed for mechanical material handling. Seven track doors give maximum convenience in unloading railroad cars, and truck loading doors provide similar facilities for loading out-material to the plant.

One fork lift truck easily handles all material in and out of the warehouse since refractories are now shipped in pallet form, shrouded and strapped on platforms. About one hour is required to unload a railroad car, while a cartage truck takes but a few minutes to load.

At Inco more than 50 different brick shapes are stocked and many of them run in several sizes. Relining a converter, for example, requires at least 15 different brick shapes assistant smelter superintendent Frank Matte told the Triangle, and 140 tons of refractories are used to complete the job. This amounts to over 12,000 bricks. In rebuilding a reverberatory furnace several times as many bricks are used. "We know when a major job like that is coming up,



Some of the many and varied shapes and sizes of refractory brick used in the smelter are to be seen in this display. More than 50 different shapes are stocked.

of course," Mr. Matte said, "and we order our brick ahead."

"We order from several different refractory companies," he continued, "and some brick we use comes from abroad." New bricks are frequently being introduced by the trade and several types are usually on trial in the smelter, he said. Brick used in the smelter is mainly a chrome magnesite type although some plain magnesite and fire clay brick is suitable for certain jobs.

Damper tiles for reverberatory flues, skew backs for flash furnace roofs, baffle brick for boilers, straights for furnace sidewalls, and wedge bricks of many shapes and sizes are among the more common types used. Another familiar type is the hanging brick used in reverberatory furnace roofs, thousands being required annually.

Largest bricks stocked at Inco are the great roaster blocks, some weighing well over 100 pounds. Smallest brick is the 1½ inch split, 9" x 4½" x 1½", which weighs slightly over 4 pounds. Insulating fire brick are somewhat larger but

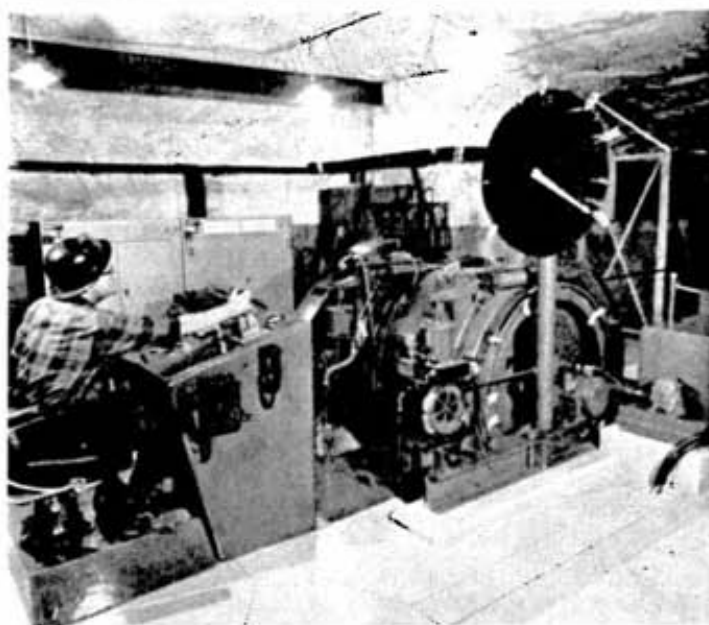


Relining a converter is a big job that uses more than 12,000 refractory brick. Here assistant smelter superintendent Frank Matte checks with mason leader Ugo Rossetto on the progress of a job in no. 15 converter. Roger Sabourin is the mason laying L239A's to brick the back of the converter. Above Roger's head may be seen part of the collar of the converter.

weigh less since they are porous. Heaviest brick used, exclusive of roaster blocks, weighs 56 pounds and is called an L239CW. It measures 15" x 9" x 4" x 3½", is tapered, and is used to reline converters.

Cements such as bonding cement for basic and clay brick, custables

for casting building moulds, gum patches, plastic cements and other forms of bonding material are all stored handily in the new warehouse. An efficient, modern refractory supermarket is this, where all products are readily available and the movement of materials is facilitated to a remarkable degree.



This compact unit is the first automatic cage hoist to be installed at Inco. It requires no hoistman. The small service cage it operates underground at Levack is used like an automatic elevator in an office building, without a caretender. Shown inspecting the hoist controls is Eino Tikkanen.

## AUTOMATIC CAGE HOIST AT LEVACK

Unique among Inco mine hoists is the new single drum automatic electric cage hoist installed underground at Levack mine's no. 2 shaft extension.

The first automatic cage hoist at Inco, it is located on 2650 level and operates the small service cage that plies between 2950 and 3600 levels, as well as tending the 2825 and 3750 loading pockets. The cage is used by supervision, maintenance men, skiptenders and other authorized persons.

The hoist was operated manually for many months, and on automatic for trial periods only, until the mines department was completely satisfied that any and all "bugs" had been eliminated.

Adapted to the particular requirements of that area of Levack mine, the hoist is much smaller than a conventional double drum hoist. Rope speed is much slower, 539 feet per minute as compared with 1,500 feet per minute for regular cage hoists, since speed is not essential where stops are being made at short intervals.

The hoist drum diameter is 45 inches and holds 1,312 feet of 1 1/2-inch rope in two layers. The hoist is equipped with one 125-hp dc motor energized by a 100-kw motor generator set.

The change from manual to automatic control is made by simply flicking a switch.

The brains or nerve centre of the hoist is an impressive looking electronic control panel located in the hoist room. It not only directs and controls the hoist but also flashes signals of its movements on an annunciator board. When any variation from normal occurs the hoist is automatically brought to a stop and the situation is indicated on the panel.

Loaded with countless transistors, tubes, capacitors, and other electronic devices, the panel receives signals from the various level stations and, in smooth teamwork with the program switch on

the hoist, directs the requested movement. Electronic safety devices make any movement of the cage impossible unless all doors are closed.

The signal panels in the level stations show a red light when the cage is in operation, green when it is available. They are equipped with a "hold" button which will keep the cage at a certain level if the party using it has business there for only a moment or so, and a "jog" button used to move the cage up or down slightly in order to level its floor with the shaft station.

Operation of the cage is the same as an automatic elevator in an office building or department store. No caretender is required.

## Henry Bourget

Henry Bourget, who started at Frood in 1929 and worked all his Inco career there with the exception of the past four years during which he was a crusherman at Stobie, has retired on service pension.

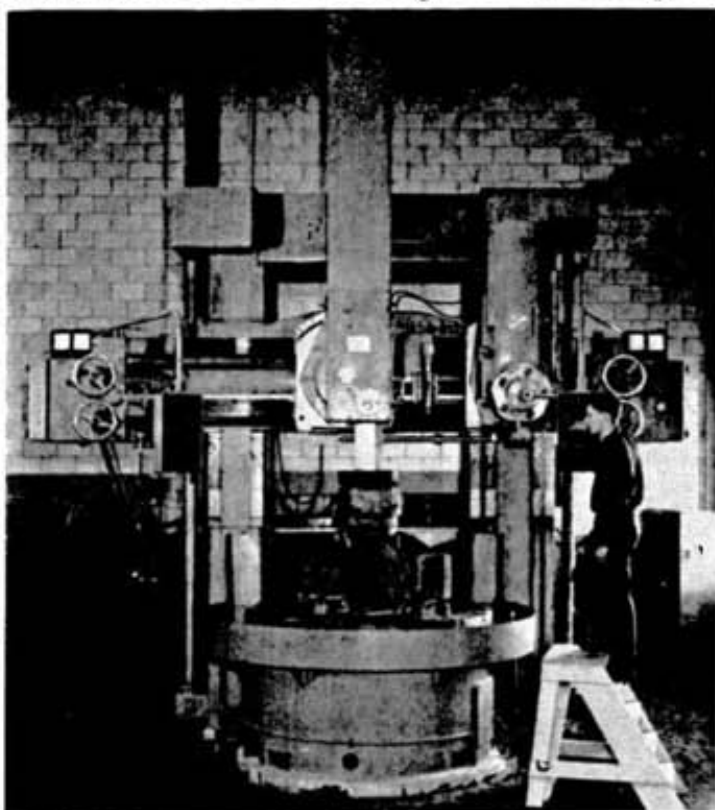
"At the end of my time with Inco I am very thankful for everything. I just wish I was starting all over again," said Henry.

Born in the Gaspé in 1896 he started to work on his own as a fisherman at the age of 18. When he was 22 he came on to Ontario



Mr. and Mrs. Bourget

## Bill Mutschel on the Boring Mill at Thompson



In this picture taken in the highly equipped machine shop at the Thompson plant, Bill Mutschel is seen operating the big boring mill on a hydro-closer ram cylinder sent over from the nickel refinery to be bored out. Actually a lathe working from the perpendicular rather than the horizontal, a boring mill is indispensable to an operation of any size. Bill and his brother Pete, both machinists, came to Inco from Lynn Lake and have been at Thompson over a year. In their spare time they go for hunting and fishing in a big way.

and was a lumberjack in the Sudbury district for six years, working for Nicholson & Co., Poupore, and other lumbering firms.

He worked for Fraser Brace on construction of the new smelter at Copper Cliff, and helped build the foundation for the first big chimney. Then he enrolled at Frood.

In 1926 he was married to Eva Gravelle of Ottawa. Four of their five sons are Inco men, Horace at Stobie, Neil at Garson, Aurel

and Ernie at Levack; their fifth son works in Sudbury. Their daughter Maud is the wife of Bud Mallet of Stobie, and their other daughter is Mrs. John Turgo of Timmins. They have eight grandchildren.

A big gathering of his fellow miners gave a stag party in Henry's honor, a compliment which he deeply appreciated.

He and Mrs. Bourget have a comfortable home on Howey Drive, Sudbury.

## Novel Keepsakes Presented to Refinery Men



Four more Copper Refinery oldtimers were honored at a party at the Caruso Club recently. Each was presented with a scale model of the equipment he had worked with during his years in the plant. Shown on the left is Walter Twardy, who had been at the refinery since 1930. He was a furnaceman and is holding a model of an electric furnace. Nick Bielich is next and he holds a model crane similar to the one he operated. Nick had service dating from 1931. John Vrab has a model slag pot and rubble to remind him of his former work. His service started in 1935. Smiling Gene Adamo received a model anode mould and mop which will remind him of his days as a mould painter. He started at the refinery in 1930.





**PUMPER CLASS WINNERS:** The Creighton mine brigade with Dudley Dowdall, Joe Giebe, Maurice Simpson, Bill Blackwell, Graham Wilson and Walter Spyt in front and, on the running board, chief Fred Pentney, driver Ollie Mattinen, Ed McLean, Bert Blackwell, Bill Zyma and Ed Lebreton. Deputy chief Fern Roberts and Frank Blum were absent when this picture was taken.



**NON PUMPER WINNERS:** The Garson mine brigade with Welkko Pajunen, Toiva Jussila, Wallace Cresswell, David St. Germaine and Len Brosseau kneeling in front and chief Ray Beach, Gord Young, Don Wiltshire, Sam Tolvala, Eino Helmo, Ed Gascon and Joe Seperich standing. Missing from the picture are deputy chief John Brodie, Andy Muir and Ross Moir.

## Creighton and Garson Champs In Fire Fighting

Honors in the annual Inco fire brigade competitions swung back to the mines this year with Creighton and Garson winning the pumper and non-pumper classes respectively. Last win for the mines was in 1956 when Murray won the non-pumper class.

Of the 13 teams entered this year in the non-pumper event, Garson completed the necessary evolutions in a flat 59 seconds, just seven seconds ahead of the runner-up, Coniston.

In the pumper class chief Fred Pentney and his Creighton brigade posted a time of 1 minute, 30 seconds to nose out Berton's smelter brigade by 16 seconds. Creighton won the pumper class in 1950, the first year they had their big machine, and again in 1955.

Inco fire inspector W. J. Humphries was well pleased with the calibre of competition. "I should like to compliment all brigades that entered," he said, "for the interest, enthusiasm and ability they displayed. It is very gratifying to my department and augurs well for the safety and protection of Inco plants and towns."

Come October Inco's many plant, mine and town fire brigades are polished performers, adept and able as most professional brigades. Honed to a fine edge with regular practise and instruction their competitive drive and team pride culminate in the annual competitions held each year at this time. Each brigade has the task of quickly and correctly applying the proper procedure in overcoming certain fire hazards.

In the accompanying picture, taken during a competitive test, Reg Brown's Copper Cliff smelter team has swung into action. The theoretical fire is out of sight some



A championship test at Copper Cliff with Reg Brown's smelter brigade racing the stop watch.



Fast action in extinguishing a staged fire at Lively.

350 feet distant from the hydrant and pumper. At that point an extension ladder must be raised to the full height, hose line carried to the top of the ladder, and water produced in the shortest possible time. Other tests in the competitions included rescuing a smoke victim down a flight of stairs, then applying artificial respiration; lay hose, get water and do whatever else necessary to handle a fire in the area protected by the brigade; answer a number of questions on fire procedure; give the location and nature of fire fighting equipment in a given area or location and putting out a fire using the correct hand extinguisher.

In the second picture Roy Black, a member of Lively's no. 1 brigade, is closely watched by Lively fire chief Bill Fortin as he uses a dry chemical extinguisher on a gasoline fire.

Speaking of progress, there was good fishing and no taxes when the Indians ran the country — and women did all the work.



# Wins \$1,000 Award



The big cheque came as a complete surprise to Aldo Bardeggia, who had no inkling his suggestion was a winner. Here he shows both disbelief and delight on receiving the major award from works manager R. R. Saddington.

Most recent winner of Inco's top suggestion award of \$1,000 is Aldo Bardeggia.

Proposing improvements in the method of cutting both pneumatic and hand punch bars for converter tuyeres, his idea was found to be both feasible and very economical.

Aldo is a blacksmith leader at Copper Cliff. This is his first major award, though far from his first suggestion or his last. Taking shape in his very practical mind are other ideas that may soon blossom forth as suggestions.

A long time Inco employee — he has service dating back to 1930 — Aldo has worked as a blacksmith all his Inco years, in fact most of his work life. He apprenticed to that trade in Italy as a boy. "I can't do much with wood," he said modestly, "but I can do a few things with iron."

The money he won Aldo intends spending on his home in the Gatchell. "There are lots of things we can use, including a living room suite," he said, "and that way the whole family will share my good fortune."

A strong family man Aldo is pictured above with his immediate family gathered round him when he brought home the good news of his \$1,000 windfall. On the left is Elia, whose husband Louis Sartor is with the maintenance mechanics at Copper Cliff; standing next to her is Loris of the Copper Cliff engineering office, then George, 13, Victor, in grade 13 at Nickel District Collegiate, Aldo's wife Margaret, and Mary, who is married to Leno Antonazzi of the Copper Cliff machine shop. Another daughter Ada (Mrs. Paul Porco) lives in California and Aldo hopes to make a trip there next year. So far there are eight grandchildren.

Hunting and fishing are Aldo's favorite sports and the family camp on Hanna Lake back of Espanola is ideally suited for this purpose.

When reduction works manager R. R. Saddington called him to his office to congratulate him and

present him with the \$1,000 cheque, Aldo was one of the most surprised of men. "I never dreamed that was what he wanted me for," he laughed, "I really was surprised. And one thousand dollars! Wow!"

To Aldo, works manager Saddington said, "This is a very pleasant task," to which Aldo replied with some understatement "It sure is pleasant for me."



All eyes are on Aldo in this family group as he poses for the Triangle camera, still slightly bewildered by his good fortune. The money will be used to buy new furniture "so the whole family can share my good fortune". Aldo is a blacksmith leader at Copper Cliff.

## DO-IT-YOURSELF MOTEL

The small town motel manager walked up to the tourist.

"Your room is ready now," he said, "but because of the shortage of help, you'll have to make your own bed."

"Oh, I don't mind making my own bed."

"That's fine," said the manager, "here's a hammer and saw."

## EXPLORATION COSTS

During the past decade, International Nickel has invested about \$65,000,000 on its continuing program of exploration for nickel deposits.

## First Annual Inco Gardening Prizes Presented at Thompson



AT THE PRESENTATIONS: front row, W. Erickson, H. Hess, B. Wood, J. C. Parlee, Mrs. D. E. Munn, C. A. Nesbitt, P. Nesbitt (first prize, lawns); second row, Mr. and Mrs. R. Freed, Mrs. R. Deslauriers, Mrs. H. Boucher, Mrs. A. R. Thornborough, Mrs. A. R. Smith, Mrs. W. Chaddock (first prize, flower gardens), J. Langin, H. Blais; back row, S. Swanson, Mrs. E. Thorkelsson, H. Boucher, Mrs. J. Langin, H. G. King, C. N. Goddard, H. Sinclair. Not in picture, G. Samuels, Dr. J. B. Johnston (first prize, vegetable gardens), J. Charette, Mrs. W. Munn, Mrs. H. Sinclair. (Photo by Mrs. Harold Hess).

Cash prizes totalling \$275.00 were presented by the International Nickel Company to winners of the first annual gardening competition at Thompson.

Hundreds of homes showed the benefits this past summer as residents of the town got more opportunity to devote time and care to fixing up their grounds. Results gave every indication that Thompson will be as beautifully groomed as it is smartly modern in layout and architectural design.

The gardening competition was announced last June by vice-president James C. Parlee, and was greeted with community-wide enthusiasm. When the time came

for judging, a very difficult task faced the committee of W. C. Angell, M. de Jonckheere, Mrs. D. E. Munn, Miss June Scott and Ray Hunt.

Awards were presented by Mr. Parlee at a gathering in the Municipal Hall. He and resident administrator C. A. Nesbitt both heartily congratulated all who had taken part on their efforts and community pride in beautifying Thompson. Mrs. Munn also made some complimentary remarks and announced the winners, many of whom made little speeches indicating that they were very pleased and honored at receiving Thompson's first horticultural prizes.

Following were the award winners:

Best lawn: 1, P. Nesbitt; 2, B. Wood; 3, H. Sinclair; 4, J. Langin; 5, G. Samuels; 6, H. Hess; 7, H. Blais; 8, J. Charette; 9, W. Erickson.

Best Flower Garden: 1, Mrs. W. Chaddock; 2, Mrs. R. Freed; 3, Mrs. A. Thornborough; 4, Mrs. H. Boucher; 5, Mrs. A. R. Smith; 6, Mrs. W. Munn; 7, Mrs. H. Sinclair; 8, Mrs. D. Deslauriers.

Best Vegetable Garden: 1, Dr. J. B. Johnston; 2, H. G. King; 3, Mrs. W. Chaddock; 4, C. Goddard; 5, H. Boucher; 6, Mrs. J. Langin; 7, E. Thorkelsson; 8, S. Swanson.

## Copper Cliff Legion Team Wins District Title



Under the Stengel-like master-minding of coach-manager Specs Telford, Copper Cliff Legion's bantam baseball team walked off with the Sudbury and district championship.

It was their first season in active competition and Specs was mighty proud of his boys, who defeated Garson Penmans to win the title. Earlier they had eliminated Chelmsford in the semi-finals.

At a victory banquet in the Copper Cliff Legion hall the boys were treated to a full evening of food and fun plus smart new

jackets. In the above picture Doug Camilucci and Bobby Ceppetelli help coach Telford try his jacket on for size. Other members of the team shown are Pat McGuire, Dunc Morrison, Don Fox, Jackie Camilucci and Willie Falconi kneeling in front; Copper Cliff Legion sports director Jim Taylor, Lawrence Hutchinson and Michael Armstrong in the centre row, and in the back row Dennis Wilson, Bob Tramontine, Dennis Wing, Roy Conley, Jackie Briscoe, Nelson DeBenedet, Pat Grace and Dougie Blair.

in a tough league."

Mr. Parker was firmly optimistic: "Of our ability to capture a fair share of the business, and to grow with the demands and difficulties of this exciting, fateful age in which we live, I have not the slightest doubt.

"But," he said, "it will take the best efforts of us all, each in his place, working together in harmony and mutual respect."

### "Men of Good Quality"

Vice-president R. H. Waddington, in congratulating the new members, said that in this often cynical and materialistic age many considered it smart to belittle established values and standards of achievement. "Don't let anybody sell you short on your Quarter Century Club membership," he urged, quoting a famous man's counsel: "Associate yourself with men of good quality if you esteem your own reputation."

G. O. Machum was chairman. He expressed the appreciation of the gathering for the highly enjoyable program of old favorites played on a Hammond organ during dinner by the mechanical department's master musician, Reg Steeves.

"I'm only a junior in the pension gang — I don't even know the rules yet," declared W. J. Freeman, recently retired plant manager, in speaking on behalf of the pensioners. He said those in retirement retain a deep interest in the Company's affairs and have full confidence in its officers.

Lights were dimmed during a "moment of remembrance" for club members who died during the past year.

Caterers for the delicious chicken dinner were Eddy and Margaret Zielski of the Rathfon Inn. A large staff served the big gathering in record time.

The covers of the attractive souvenir program, printed in blue and gold, were again a credit to Ed English and his stationery department staff.

## The Front Cover

By noon the hunters had worked up a vast appetite for food.

They were also very hungry for a shot at a deer, but the pain of this craving soon abated as they absorbed enormous helpings of Jerry Doucet's home-brewed pork and beans.

Then they sat around their fire, drank the hot strong tea, and talked about the good old days when deer were plentiful in the bush around Levack, which was up to a couple of years ago.



**PETE PICARD IS A VETERAN OUTDOORSMAN**

There was Pete Picard of the mine mechanical department, an Inco man since 1934 and at Levack since 1937; his son Garfield, a feeder in the rockhouse; his son Stan, a sand fill pipeman on 2050 to 2600 level; and his son Raymond, still at school. And of course there was also Jerry Doucet, a stope driller on 2350 level.



**JERRY DOUCET IS A MASTER BEAN CHEF**

They had practically guaranteed they would have a deer for a Triangle cover picture. So we travelled the length of Moose Lake, scrambled 300 yards over a rocky portage, then crossed West Morgan Lake. The deer didn't materialize but the picture did anyway, so all was well.

### MAGIC POTION

A man recovering from an anaesthetic became very romantic. His wife turned to the nurse, "I haven't heard him talk like that since our honeymoon," she said, "Where do you buy that stuff?"



Now the picture has changed, and instead of baseball it's hockey, with the above a familiar Saturday morning sight in Copper Cliff. Down the street to Stanley Stadium, deep in a strategy discussion, come three embryo Toronto Maple Leafs, Keith Hague, Bobby McGhee and Kenneth Hague, faithfully escorted by Nelson Bouchard and John McGhee.

## Rousing Meeting

(Continued from Page 11)

and our business is certainly no exception," Mr. Parker stated.

"Our nickel is meeting increasingly sharp competition on this continent and abroad, both from other nickel producers and from other materials which, in some

respects, rival the qualities of nickel.

"We are in the thick of a rousing battle on many fronts to hold the ground we have gained for our products and at the same time to win new markets by extending their usefulness through vigorous research. As our president, Mr. Gordon, has said, 'We are fighting