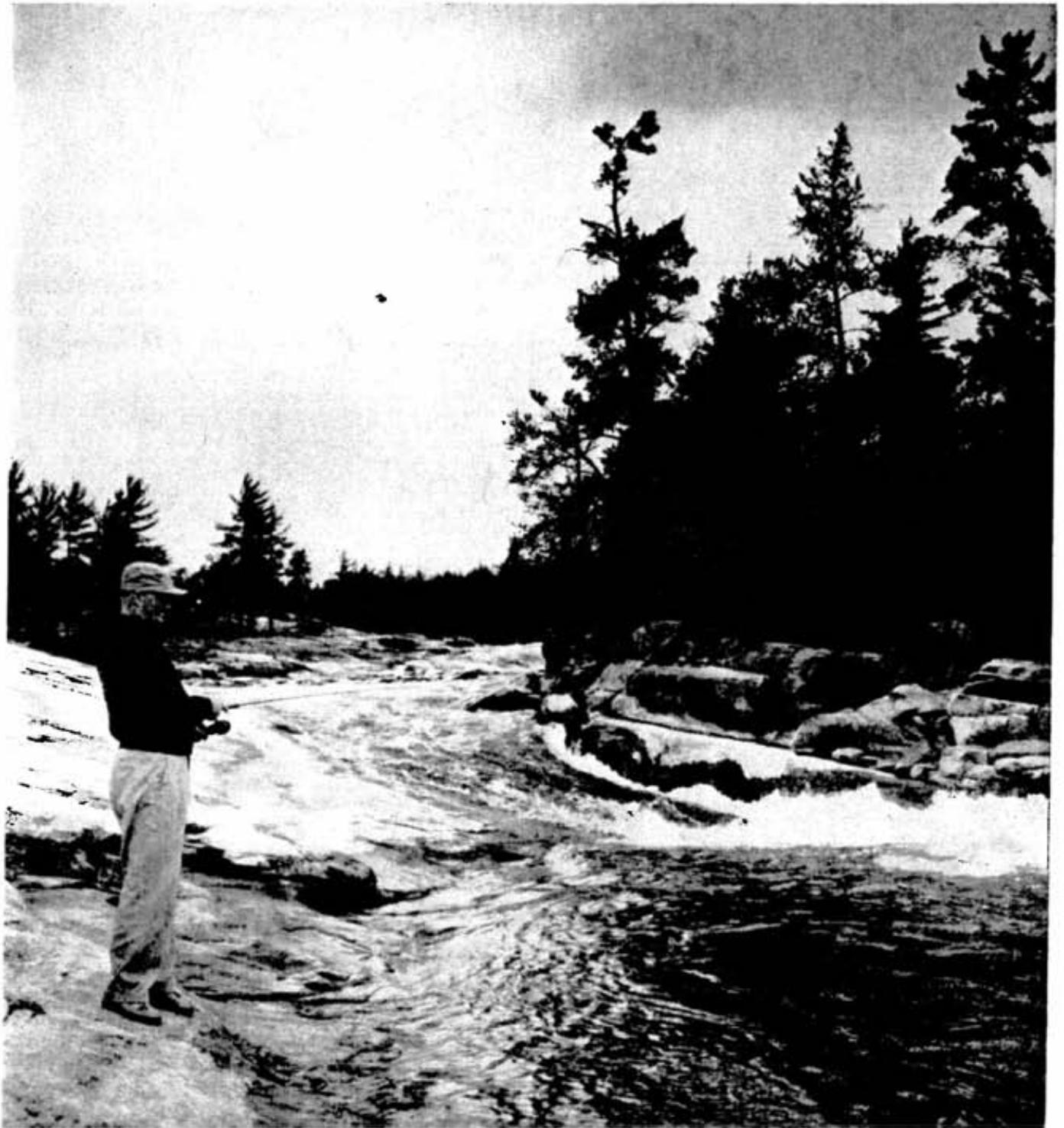


INCO TRIANGLE

VOLUME 18

COPPER CLIFF, ONTARIO, MAY, 1958

NUMBER 2



Any Pickerel Here?



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

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Editorial Office Copper Cliff, Ont.

Authorized as second class mail, Post Office Department, Ottawa.

Inco Preparing For Better Days In Nickel Sales

The progress already made on International Nickel's new nickel mining project in Manitoba is of vital importance to the Company's future and, as planned, the project will be ready for production in 1960. Dr. John F. Thompson, chairman of the board of International Nickel, told shareholders at the annual meeting at Toronto April 30.

Dr. Thompson said that work on the project, which is being developed into the world's second largest source of nickel supply, has now been under way for over 16 months and is on schedule.

"Continuing favorable results in the exploration program at our Thompson Mine in Manitoba have led us to the decision to concentrate our efforts on bringing this property into production," he said. "The Manitoba project's entire scheduled annual output of 75,000,000 pounds of nickel will, therefore, come initially from the Thompson Mine."

The Company's expansion in Manitoba and Ontario will increase its annual nickel production capacity to 385,000,000 pounds by 1961.

Dr. Thompson noted that while nickel is currently in oversupply, Inco is doing "those things essential to the development of a future increased market for nickel and the preparation of our production facilities to take care of this anticipated increased demand."

Capital Expenditures at New High

"It is estimated," Dr. Thompson said, "that capital expenditures in 1958 will be between \$60,000,000 and \$70,000,000. In 1957 they were \$43,900,000, the highest for any year, as compared with \$23,000,000 in 1956. The larger part of our 1958 capital expenditures will be made in this country, with resulting benefit to the Canadian economy."

"Our construction programs in Manitoba and in the Sudbury District of Ontario have benefited because of greater availability of equipment and supplies and quicker delivery. We have accordingly been able to accelerate certain phases of our Canadian construction activities."

Inventories

Commenting on International Nickel's inventory growth, Dr. Thompson stated that "by early 1958 we had reached the point where, without curtailment of production, inventories would soon have become excessively large. Since it is essential that our con-

Late Winter Photo Shows Some of Progress on Manitoba Project



The steel framework of the permanent shops building (left) and the warehouse are seen in this late-winter photograph of the Thompson plant-site area of Inco's new nickel mining project in northern Manitoba. Housing for construction workers is seen in the foreground. The project is scheduled for an annual output of 75,000,000 pounds of nickel by 1961.

suming trade be reassured as to nickel's ready availability, our reduction of production at the end of the first quarter of 1958 was delayed until we could be certain of having ample stocks on hand. The curtailments of production have been handled in a manner which will enable us to increase production when necessary without delay.

Nickel Supplies

"The market for nickel," Dr. Thompson continued, "started the

year 1957 with an over-demand so substantial that some consumers continued to pay premium prices to obtain the supplies they urgently needed. It ended with nickel in over-supply.

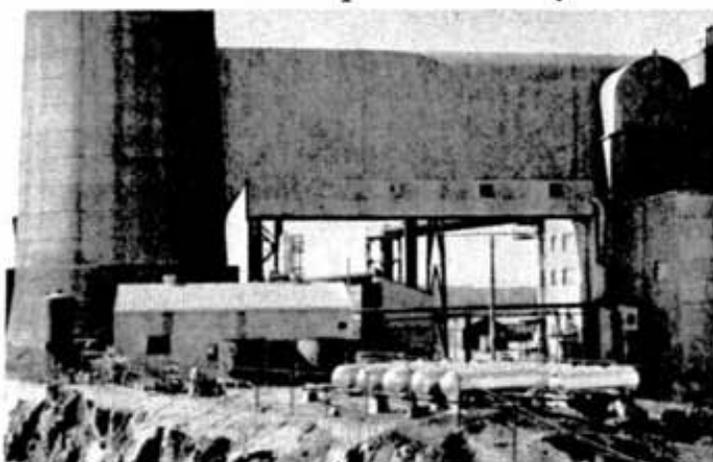
"Nickel had been in short supply for civilian purposes for the greater part of the period since the Korean conflict began in 1950. This had been due to heavy demands for defence purposes coupled with large governmental stockpiling programs."

In the United States, the principal market, total 1957 nickel supply was 295,000,000 pounds, the largest ever available to that country, he said. "It exceeded total civilian and defence consumption during the year by approximately 50,000,000 pounds. Supplies available in 1958 will again substantially exceed the consumption. The United States Government has announced its objective for 1958 of diverting to industry all of its scheduled stockpile intake, but it appears unlikely that a market demand will exist for more than a portion of this supply. Early this year, with Government approval, the procedures under which our nickel has been distributed in the United States since 1953 were discontinued and we have since been free to make unrestricted deliveries."

Nickel Tariff

Discussing the United States tariff on nickel, Dr. Thompson pointed out that "at present the United States Government levies a duty of 1½ cents per pound on refined nickel imported into that country, but the duty does not apply to nickel oxide or nickel in such partially refined forms as slurry or matte. Nickel is not mined in important amounts in the United States, and it has to import most of its requirements from Canada and from Cuba. Imports from Canada are principally in the form of fully refined metallic nickel, but imports from Cuba are now, and in the future are expected to be, in the form of nickel oxide or partially refined nickel, a substantial portion of which will be further refined into metallic nickel in the United States. The effect of the duty is thus to favor Cuban nickel by imposing a 1½ cents per

Pilot Plant for Sulphur Recovery Studies



From this small pilot plant, dwarfed by the great chimney and main flue of Inco's iron ore recovery plant at Copper Cliff, may develop another important operation in the maximum utilization of the Company's Sudbury district ores. Scheduled for preliminary operation early in June, the pilot plant will investigate the possibility of commercial production of elemental sulphur from roaster gases from the iron ore recovery process. It is a co-operative project of Inco and the Texas Gulf Sulphur Company. The storage tanks in the foreground contain propane with which reduction will be carried out until a natural gas supply is available in the fall of this year.

(Continued on Page 7)



FROOD: Mr. and Mrs. Bob Elliott with Billy, 15, Jimmy, 13, and Heather, 3. They live in Sudbury. Bob has been at Frood for 19 years and is well known as a top notch soccer player.



COPPER CLIFF SMELTER: Here are Mr. and Mrs. Allen Earl with Carol, who was 19 on May 20, Joan, 16, Verna, 14, Valerie, 10, Shirley, 9, Allan, 7, and Wayne, who will be 2 in July. The Earls live in Sudbury. Allen has worked in the Orford building since 1937.



PORT COLBORNE: Another nickel refinery man of skill and ambition is John Arnold, who built his own home and most of the handsome furniture in it. Here he is with his wife and Diana, 14, John, 9.

INCO FAMILY ALBUM



COPPER REFINERY: Mr. and Mrs. Clayton LaRocque with Linda, 8, Susan, 5, Robert, 4, and Debbie, 1½. Clayton came to Inco from Saskatchewan, lives in Azilda, works in the casting department.



CREIGHTON: Raymond Wyrwas came from Nova Scotia, works at no. 3 shaft. This picture shows him with his wife, daughter Christina, 8, and son Edward, 11. They look like a very happy family.



GARSON: Gus Della Vedova was born in Garson and has worked at the mine for 16 years. Our picture shows him with his wife and the twins, Jeffrey and Rodney, 8, David, 5, and Ann Marie, 16 months.

It May Be a Pretty Good Season at That

With the Dodgers moving to Los Angeles and the Giants to San Francisco, and a player-drought descending on the Nickel Belt Baseball League, past seasons have looked rosier, at the outset.

But greatness is often born in adversity, and this season may yet prove to be a banner one.

Of a certainty more youngsters will have a chance to show their wares in Sudbury district baseball, which is all to the good. And maybe some of the colorful old-timers, whose spikes hang on a nail in the basement, will be tempted to dust them off for one more final fling.

The same five teams as last year are in the contest, with four of them sporting new coaches. Only base boss back for a return engagement is Moose McQuarrie of Copper Cliff.

At Garson, Gil Benoit has taken over from Danny Cuomo; Keith Boyd is the new pilot at Coniston. Bill Kasepchuk will be calling the plays at Creighton while Froot



At Creighton ball park Bill Kasepchuk speaks words of wisdom to a string of young hopefuls, Ronnie Rheault, Gene Bryan, Jerry Leblanc, Ab Poulton, Larry Gonnella and Norm Sharpe.

have set up a defence in depth: Spike Boal has been named coach with Don Price as his assistant, while Henry Dunn gets the nod as manager with the one and only Joe Lora to assist him.

The opening game is tentatively scheduled for Queen's Athletic Field on Sunday, June 1, with last year's finalists, Creighton and Coniston, renewing hostilities. Creighton won that series, copping the Monell cup for the 10th time.

This season Coniston are confident that they have the team to beat. Coach Boyd is well pleased with his roster and despite poor practise weather has been keeping his boys active. The three Boyds — Burt, Vic and Keith — are all back, along with Tubby Halverson, Clarence Fox, Bill Morrison, Ray "Mummy" Mulse, Billy Core, Moe Bartolli and others. In addition several juveniles including young Zanata, who pitched sensationally in playoffs, are turning out regularly and showing promise.

Creighton too have a pretty fair collection of regulars on hand although Capelletti, Stelmack and

Johnny Hrlejac will probably be missing. Pitcher Tommy Howe has returned and will be serving up his ports:ide slants to brother Jack behind the plate. Kasepchuk and Snug Mynerich will be on hand for mound duty, and Jimmy Smith will punch in at first base. A number of young hopefuls, hot softballers last year, are beginning to look like ball players. Veteran Ev Staples, who will be out when the weather warms, is quite impressed with their size, speed and

hitting. Eugene Ryan, Gerry Leblanc, Mauno Pals, Tom Stefanko, Ronnie Rheault and Larry Gonella are among the more promising. One more good pitcher and coach Kasepchuk would be wearing a smile.

Garson under Gil Benoit are looking for a good season. George Armstrong, Tommy Byers, Marty Burton, Gerry Foley and Mac-Namarra are among the seasoned regulars. Eldon Carmichael, a handy utility man who previously



Moe Bartolli picks up a few tips from the old master as Keith Boyd warms up at Coniston.



Coach Moose McQuarrie watches some promising prospects work out at Copper Cliff, Bob Faddiek, Mauno Taus, and Glen Eadie.



Spike Boal, Henry Dunn and Don Price of Froot's venerable board of management watch Don McKay bat flies to the outfield.



The new Garson coach, Gil Benoit, works out in a little pepper play with two of his regulars, George Holmes and Tommy Byers.



So what if the weather is cold, running keeps you warm and it also puts you in shape. That's the spring training song at Coniston, with coach Boyd supplying the music.

played for Garson, is making a comeback and Stan Snyder, who pitched for Levack last year, looks good. Two of last year's juvenile pitchers are expected to see mound duty. Several other juveniles are working out and while it's early yet for prognosticating, Gil feels mighty hopeful.

Copper Cliff Redmen will probably dress a team little different from last season. Coach McQuarrie has all-round ace Gord Dymnt, lanky Leo Jacques, and Bob Wein to help with the pitching chores, while Frank O'Grady, Dino Moroso, Glen Eadie, Roy Maud, Joe Zorica and Romano Taus will cover much of the field. A few juveniles are also out and the inimitable Bub Jewitt will probably be back.

What Frood will do under its new management is anyone's guess but at least there should be some interesting sideline shenanigans and umpire baiting with characters like Boal, Price and Lora around. Johnny Barbeau will be missed, as

will Spike Wormington if he doesn't change his mind. Ray Puro hopes to play when on the right shift. Other veterans are Nick Sosterich, Jim Gorday, Beefy McKay, Eddie Marynuk, Tug Parri and Andy Paradis. Maurice St. Amour is also planning to come out. Of the many young juveniles young Jim Hann (son of Norm), Don McKay, Merv MacNamara, and Guido Diniro all look like good prospects. As manager Dunn says "At least we have quantity."

To give the playoffs a better break the season has been shortened to a 20-game schedule, with the hope that the weatherman will cooperate.

So it's "Play Ball!" for another season, and despite a few drawbacks early indications are that some mighty interesting games are on tap.

A good place to spend a couple of hours of a summer evening, the ball park, and that applies to the whole family.



The entire front area of the Chaddock home grounds is given over to a flower garden of annuals and established perennials. Mrs. William Chaddock is a consistent winner at the annual Sudbury flower show.

Simple to Grow, Annuals Promise Excellent Return

Undoubtedly the most popular horticultural endeavour in Sudbury district is the growing of annuals.

For the work and cost involved, annuals give a most rewarding return, their ability to transform almost any patch of ground into a place of beauty being legend.

Growing annuals in conjunction with established perennials it is possible to have bloom from early April until mid-November, according to Mrs. William Chaddock. Her home garden on Adelaide Street in Sudbury is a first-rate example.

A keen gardener, Mrs. Chaddock has been active in horticultural circles for years. She was president of the Sudbury Horticultural Society in 1956, having served previously as a director. This year she is a candidate for director of the Ontario Horticultural Association for district 13, extending from Wawa to North Bay.

She is also an exhibitor of note, last year winning the trophy for most points in the Sudbury flower show. She had over 40 entries.

Growing annuals is not difficult Mrs. Chaddock assured the Triangle, but a few fundamentals should be kept in mind. Good soil of course is important, although some annuals will thrive in relatively poor soil. However manure or other fertilizers make a world of difference.

Size and location of the plants in the garden, as well as varieties and colours, should be planned for maximum results and desired effects. Massed beds are eye-catching, while borders may contain several varieties graduating in size. Edging plants may be used much like the frame on a picture. And don't forget the rock garden for annuals!

The time to set out annuals differs with the locality, the individual and the weather. Some

arbitrarily set May 24 as the day while others wait longer to avoid the danger of frost and ensure rapid growth. Many are a little impatient, Mrs. Chaddock finds (herself included) and shortly after mid-May a few sturdy annuals will go in if the weather looks good. Some annuals are quite hardy if the plants are toughened first.

Mrs. Chaddock has found her method of transplanting annuals effective and quite simple. First remove soil from a hole slightly larger than required; work a mixture of sheep manure and Vigoro with a portion of soil in the hole; water, then set plant in and tamp firmly. The plant should be watered again to settle the soil. Rather than leave this wet surface to dry and crack in the sun and wind she uses a dust mulch, a light covering of earth sprinkled over the watered area to prevent rapid drying out.

Over the years she has found that a plant supplement mixed with the water helps lessen wilt and root shock. A light feeding of plant food later, and regular thorough watering will practically ensure good growth, she added. To maintain vigorous bloom, especially with petunias, dead flowers should be pinched off before setting seed.

Annuals offer an almost unlimited choice of colour, size and variation with north country colours said to be more intense than in the south. Petunias of course are a must, and will bloom from June to well past frost. Mrs. Chaddock suggests the frilled and double varieties as very attractive. Snapdragons, salpiglossis, annual phlox, marigold, stock, zinnia, aster, callendula, nicotine, verbena are a few of the many other common, hardy annuals which do well in the Sudbury area. Alyssum (purple and white) lobelia, globe phlox and ageratum are excellent border plants that seem to bloom endlessly.

Mrs. Chaddock grows some 50 varieties of 20 popular annuals, starting most of her own plants from seed. She keeps a written record of their progress which is

(Continued on Page 16)



Thousands Given Polio Shots

With the children now protected, the next great step in the fight against polio is the immunization of adults.

Inco's medical department has set up clinics at Sudbury, Copper Cliff, Lively, Creighton, Levack, Chelmsford, Garson and Coniston where thousands of the Company's employees and their dependents are receiving the course of three polio shots.

Since polio victims over 40 are rare, few employees beyond that age are receiving shots.

The above photograph gives a view of one of the well-organized clinics at the Inco Club in Sudbury, at which Dr. J. H. Stanyon, Dr. J. C. Bowen, Dr. R. Chesney, and Dr. A. H. Duncan administered the precious vaccine to more than 1200 Incoites.

C. C. Chapman Completes Long Career in Purchasing, Stores



Presentation of an engraved silver tray was made to C. C. Chapman, superintendent of purchasing and stores, when he stepped into retirement after 43 years and 10 days of Inco service. He is fourth from the left in the above group, and immediately behind him is Ralph D. Parker of Toronto, vice-president in charge of Canadian operations, who joined representatives of "Chappy's" colleagues and department in extending congratulations and good wishes. On the left of Mr. Chapman are Russell Henderson, Alex Godfrey, Mac Forsythe, Ralph H. Waddington, and Louis McClellan, and on the right Omer Boucher, Bev McDonnell, Harriet Maddock, Ira Linnimaa, Alice Gemmell, Evelyn Dota, Gail Taylor, and, on the flight deck, Ginny Bertulli, John Puddy, Bill Campbell, Maurice LaPlante, Bill Fuller, Aub Mills, George Watson, Roy Bain.



Bill Beaver proudly displays the power tool presented to him at his retirement party by Fred Burchell (left, on behalf of his big following of friends. Seated are Gus Zinkle, long-time powerhouse employee now on pension, Walter Ibbotson, master mechanic of smelters, and Alex Godfrey, assistant to the general manager, who reviewed the guest of honor's colorful career and wished him well in retirement. Other presentations were also made to Bill, who was chief powerhouse engineer at Copper Cliff for 20 years. The dinner party was held at the Italian Hall.

Correspondence School, Hobbies Community Work High on Bill's List

When Bill Beaver was travelling for an engineering firm he realized how little some steam plant operators actually knew about their plants. Typical of Bill, he did something about it!

Before too long he had a correspondence school going, through which aspiring engineers could prepare themselves for examinations to qualify for their papers. In conjunction with this he wrote two text books, one for stationary engineers and the other on steam boiler performance. He was well

qualified for his task, having long been recognized as a top flight power plant engineer.

Born in England, Bill apprenticed as a marine engineer at Glasgow, went to sea in 1911, and at age 21 became a chief engineer, reputedly the youngest in the British Navy at that time. He saw service in the Atlantic, Pacific, Mediterranean and Indian oceans.

At the end of World War I he came to Canada and was a chief engineer in the Canadian merchant marine for two years. In

1921 he joined the sales staff of Goldie-McCullough engineering at Guelph, and in 1923 went to Penman's at Paris as assistant mechanical superintendent. He joined Westinghouse in 1924 and was plant engineer at Hamilton for 10 years. He then returned to Penman's as mechanical superintendent until 1938, when he came to Copper Cliff as chief engineer at the powerhouse. Recently he retired on service pension.

In addition to his correspondence school Bill was active in community life. He helped organize the Lord Mountbatten Sea Cadet Corps in Sudbury and was its commanding officer for several years. He was also president of the Copper Cliff figure skating club, a valued worker in the Canadian Legion, and a member of the Ontario Association of Professional Engineers. He also enjoyed woodworking, gardening, boating, hunting and fishing, somehow finding time for these hobbies in addition to all his other activities.

Bill's outstanding distinction, however, probably was his well-known affair with Lady Luck. On few men has she smiled so kindly — not once but twice did he have the unique good fortune of holding the winning ticket in a new car draw.

In 1916 Bill married Mildred Spencer in England, and they have a family of three: Lenore (Mrs. Carty of Toronto), Mildred (Mrs. Chappel of Elliot Lake) and Spencer of Sudbury. They have three grandchildren.

Bill has purchased an attractive home in Collingwood where he and Mrs. Beaver have taken up residence. There he is again close to his first love, ships, which just about brings him full circle.

10 Thoughtful Tips On Human Relations

Speak to people. There is nothing as nice as a cheerful word of greeting.

Smile at people. It takes 72 muscles to frown, only 14 to smile.

Call people by name. The sweetest music to anyone's ears is the sound of his own name.

Be friendly and helpful. If you would have friends be friendly.

Be cordial. Speak and act as if everything you do were a genuine pleasure.

Be genuinely interested in people. You can like everybody if you try.

Be generous with praise — cautiously with criticism.

Be considerate with the feelings of others. It will be appreciated.

Be thoughtful of the opinions of others. There are three sides to a controversy — yours — the other fellow's — and the right one.

Be alert to give help. What counts most in life is what we do for others.

THE "NICKEL"

The Canadian five cent piece is made of pure nickel and with the exception of short periods during World War 2 and the Korean War has for many years been so produced.

During 1952 and 1953 the Canadian Mint did produce a Canadian five cent piece made of nickel and chromium plated steel, a substitute to conserve nickel which was strategic and in short supply at the time.

The United States five cent piece is approximately 25% nickel and 75% copper.

Lively (very!) League Still Making Every Pin Count



The 28 teams in the Lively mixed bowling league played a 25-week schedule, with an extra two weeks for playoffs, and right down to the wire it was a battle to make every pin count. The President's shield, donated by the Lively Athletic Association, was won by the team shown above: Jack (captain) and Lucy Sime, Bud and Syl Montgomery, Hurly and Arletta Hreljac. The league's top individual scorers were: high average, Dolly Showeller and Bob Seawright; high triple, H. Cassell and C. Trigg; high single, P. Upton and W. Chornenky.



Hard to beat for friendly rivalry and enthusiasm year after year would be the Lively mixed bowling group. Winners of the James C. Parlee trophy for the A section are seen on the left: Elmer and Gwen Johnson, Fern (captain) and Ruth Roberts, Irene and Bob Seawright. Victors in the B section, shown with the John Archibald trophy, were Clyde and Reba Rivers, Ken (captain) and Terry Glynn, Cecil and Lena Dennie. Awards were presented at a banquet and dance at the Caruso Club, with Gerry Mahon turning in his usual sparkling job as emcee and poet laureate. President of the league was Hilton Fowler, secretary Kay Martin.

service, advertising and publicity to acquaint and advise customers and potential customers how to use nickel profitably and to the best advantage.

"As a part of their purchases of nickel, Inco customers always have had, and will continue to have, available to them our technical knowledge and assistance and the benefit of our many years of experience in the creation and expansion of markets for nickel. We have been building this unique, rounded program for many years and are bringing our fullest energies to bear in maintaining and expanding it for the benefit of our customers and shareholders."

ROAD BY A RIVER

A road that follows rivers has to learn
The skill of going round instead of through,
It needs the childlike love for something new
That prizes more a bend, a hidden turn,
A curve of meadow rich in rose and fern
Than any crow-line way of getting to
Some final place. A road that makes ado
Of time and speed lacks water's first concern:

A deep respect for variables of land,
For stubborn cliffs denying wind and foam,
For trees that group into a leafy stand,
For barren lowlands needing silted loam.
A river road goes where the stream has planned,
Certain at length to find a good way home.

—Frances Hall
—in "The Christian Science Monitor"

Music is the only language in which you cannot say a mean or sarcastic thing.

Inco Preparing

(Continued from Page 2)

pound burden on Canadian metallic nickel. It is to be hoped that the United States will forego unnecessary tariffs on nickel and other metals, particularly on nickel, where the tariff effectively discriminates against Canadian production, which is by far the largest source of United States supply."

Port Colborne Anniversary

The board chairman remarked that 1958 marks the 40th anniversary of the beginning of operations at International Nickel's refinery at Port Colborne, Ontario. Its establishment in 1918, he stated, gave the Company complete facilities in Canada for the production of nickel from ore to refined metal. Over the years, refining capacity at Port Colborne has been repeatedly increased and, equally important, many process improvements have been achieved. The most recent improvement is the development of a new process for the electrorefining of nickel by direct electrolysis of nickel matte. The process eliminates high-temperature oxidation and reduction

operations, and permits recovery, for the first time in nickel refining, of elemental sulphur and of selenium. The process is now in commercial operation in a section of the Port Colborne nickel refinery.

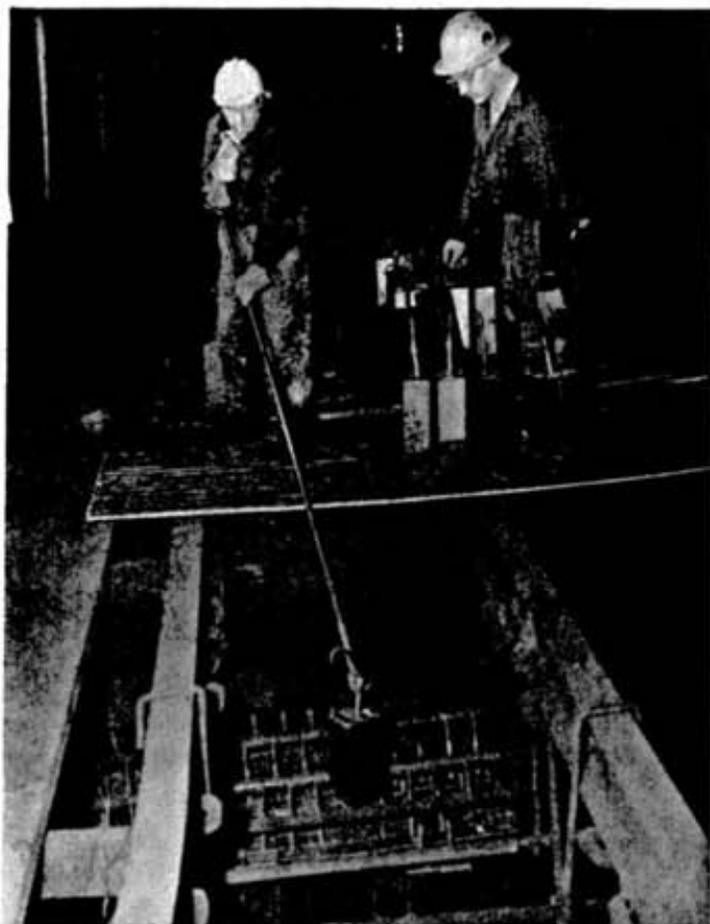
Inco's Organization

"Few elements have received the continuing attention which has been given to nickel since Canada assumed the leadership in nickel production over 50 years ago," Dr. Thompson said in his concluding remarks. "This metal, from a lowly beginning as an 'unwanted' material, has been developed into one of the most significant alloying elements ever discovered and its progress, particularly in the last quarter century, has been outstanding in the metal field. This progress has been accomplished through our intensive exploration for new deposits, research for more efficient methods of mining, milling, smelting, and refining of the metal, and for recovery of its many by-products, but primarily through research for and development of new applications and markets, world-wide sales efforts and distributing facilities, a planned program of technical



Handicraft Exhibition Enjoyed by Public

"Handicrafts Unlimited", the annual exhibition sponsored by the Phiats, again drew an impressive display of work done by the various training groups at the Sudbury YMCA. Mrs. Ferne Good, whose husband Sterling works at Levack mine, is shown above at the exhibit of copper tooling and copper enamelling with the instructor in this handicraft, Mrs. Milly Fitzgerald, whose husband Ron is a Copper Cliff smelter man, and Miss Danny Marshall, women's and girls' work secretary at the Y. Pottery, boxloom weaving, and aluminum etching were among the other handicrafts exhibited.



John Bond and Fred Tworo are installing cans in the roof of a reverberatory furnace. One hundred feet long and 29 feet wide, the roof requires a total of 12,000 cans weighing more than 220 tons. There are seven reverb furnaces in the Copper Cliff smelter.



In the brick shed "Blackie" Tarricani, Ernie Levesque, and Jim Ross are assembling roof cans, which consist of two magnesite brick, a steel spacer and container, and a cast iron hanger. In the heat of the furnace the spacer and container melt and fuse with the brick.

Suspended Brick Cans Greatly Facilitate Furnace Roof Repair

Inside the big reverberatory furnaces, where the nickel concentrates are melted and some of the impurities skimmed off, the temperature runs up to 2700 degrees Fahrenheit. Keeping a brick roof on these furnaces is one of the major maintenance jobs at Copper Cliff smelter.

There are seven reverb furnaces in the smelter, each holding about 250 tons of slag and matte. A furnace is 29 feet wide, and has a roof area 100 feet long with a 5-foot shoulder and a span of 19 feet across the top.

A furnace requires a complete new roof approximately every two years, but in the hotter zone near the firing end the brick lasts only about three and a half months, and patches are made while the furnace is in operation.

A tremendous advantage in making roof repairs is the suspended type of roof installed in Inco's reverberatory furnaces. The roof is constructed of 12,000 individual cans, each containing two 12-inch magnesite bricks. The cans are suspended from pipes attached to the roof beams and extending the

width of the furnace. When a small area burns through in the room, sufficient cans are quickly and conveniently replaced to make an efficient repair without interruption of the furnace operation.

Before the suspended type of roof was adopted in 1940, Inco's reverb furnaces had silica arched roofs. In those days, when even a small area of the roof burned through, it was necessary to shut down the furnace and replace at least half the roof. Efforts at patching by gunning a silica mix to the underside of the roof proved impractical on account of the nature of the smelting operations, and finally the change was made from arched to suspended roofs.

Reverb furnace roof cans are assembled in the brick shed at the Copper Cliff works. Between the two bricks in each can is inserted a spacer plate and a hanger. In the furnace the cast iron hanger withstands the heat but the steel can and spacer melt and are fused with the brick, increasing its durability. Since each can weighs 37 pounds the total weight of a new furnace roof is over 220 tons.

Taken to the reverberatory de-



Inside a reverb furnace Henry Beauchamp points to the contrast between new roof cans and those which are partly fused and coated with furnace feed after being in service for two or three weeks. The picture also shows how the cans are stepped down to form the shoulder of the furnace roof. Below the shoulder can be seen some of the big sidewall cans.



From the stockpile in the reverberatory department Nestor Mallette loads cans into a brick box which will be lifted by crane to the furnace of the roof under repair.

partment on flat cars, the cans are transferred to a stock pile. Loaded into brick boxes and hoisted by crane to the top of the furnace under repair, they are delivered on a roller conveyor to the two-man teams installing them in the roof. Using a hook bar, one man hangs the cans while the other keeps him supplied. They stand on a movable platform of insulated corrugated iron.

Cans are also hung in the side-walls of the furnace. For this purpose steel containers 42 inches high, 18 inches wide and 8 inches thick are filled with a refractory mix. These big cans greatly facilitate rebuilding a wall on a hot repair.

THE COMPLEAT ANGLER

Oh the brave Fisher's life,
It is the best of any,
'Tis full of pleasure, void
of strife,
And 'tis below'd of many:
Other joys Are but toys;
Only this Lawful is,
For our skill Breeds no ill,
But content and pleasure.

—Isaac Walton

Mistakes of the past can be made into guide-posts of the future.

Earned Gold Cord



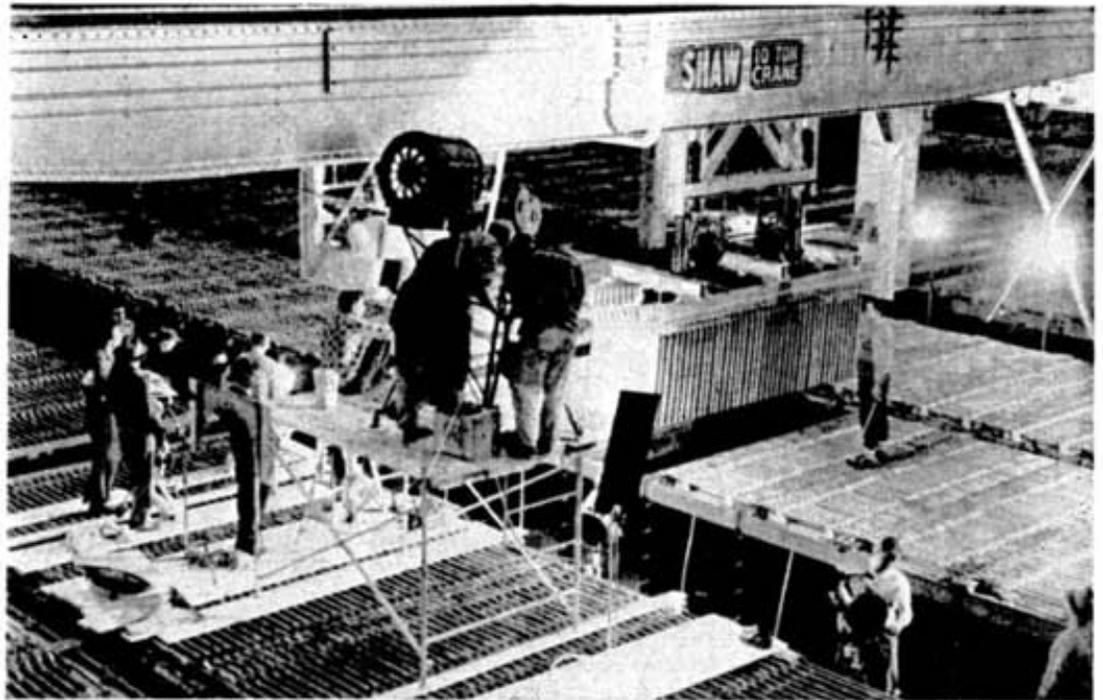
Gail Wilson, Diane Godfrey and (inset) Patricia Nelan, Copper Cliff.



Frances Lacroix, Lively, and Diane Walker, Garson.

These five girls, all from Inco homes, recently qualified for the gold cord, highest award in Girl Guide work. They received their certificates in a special ceremony at Toronto, from Mrs. Keller Mackay, wife of the lieutenant-governor of Ontario.

Film Copper Refinery for Inco's Motion Picture Series



A view of the movie-makers as they shot a close-up in the tankhouse at the copper refinery showing anodes being charged to an electrolytic tank. Adjusting the light in the right foreground is the film crew's chief electrician, Carl Wandral. On the extreme left, wearing peaked cap, is Kenn Henderson of Inco's New York staff, who shot still pictures along with the movie crew. Standing beside the camera platform is J. C. Bischoff, works metallurgist at the refinery.

Enough power to light almost all the houses in the town of Levack was turned on when a motion picture crew shot a general view of the tankhouse at Inco's copper refinery last month.

The huge building, 480 feet long, presented a real challenge to the lighting experts from Film Graphics, Limited. They used every lamp they had, ranging from 20 powerful big 10 kw's all the way down the foot-candle scale to a flock of photofloods, to bathe the scene with the brightness of sunshine.

The movie camera, mounted on a special platform on the rack of the stiff-legged crane, then slowly traversed half the length of the tankhouse putting the brilliant sight on color film.

Every phase of the copper refining operations was photographed by the Film Graphics crew for the next motion picture in the educational series portraying International Nickel Company's activities. They wrapped up the big assignment in two action-packed weeks.

Inco's electrical department as usual came up with some first-class co-operation. Since 60-cycle power was not available at the copper refinery in the quantities required by the movie people — upwards of 400 kw's at 110 volts — a separate 6900-volt supply was furnished and transformed to 550 volts for distribution to the areas where the motion picture crew was working, where it was again stepped down to 110 volts.

Expediting and assisting in the actual shooting wherever they could, copper refinery personnel greatly facilitated the work of the film crew, from whom they received



Film Graphics men in action here are Mike Zingale, assistant cameraman, Dave Quaid, chief cameraman, and Bernie Rubin, the producer. At the right is Frederick F. Wood, recently appointed assistant to the vice-president of Inco, in charge of publicity and advertising, who has directed production of the series of motion pictures of International Nickel operations.

ed warm praise for their efforts.

A dramatic and highly photogenic sequence, the copper refining process drew rapturous remarks from the cameramen. They said they got some "terrific" shots, particularly in the anode furnaces. Protecting their camera and lens with heat-resistant glass and asbestos, and playing air hoses on it to keep it cool, they photographed pouring operations inside the furnaces where the temperature is around 2300 degrees F.

They also made some interior pictures of the direct arc furnaces with the power turned on in the electrodes, showing the actual melting operation, which may turn

out to be a "first" in industrial photography.

As at all the Company's mines and plants where they have been "on location" making the Inco motion pictures over the past few years, the Film Graphics crew soon established a friendly understanding with the refinery personnel, and were admired for their quick grasp of process details and the efficient way they went about their often extremely difficult and tricky assignment.

Don't knock your church — it may have improved since the last time you were there.

Ring Down Curtain on Another Big Curling Season at Levack



The President's trophy is presented by Frank Palumbo to J. Mazur (skip), J. Gaydos, J. Rodda Jr., A. Fabel; runners-up in this event were E. Hilton (skip), A. Dane, T. Kauppinen, S. Kotyk. On the right Dr. Charles Jessop presents the Plaskoski trophy to the club's Consols champs for the second consecutive year, J. McCreedy (skip), A. Hutchison, F. McAteer (absent) and A. Ryter; no runner-up was declared in this event.



Dr. H. F. Mowat presents his trophy for the Colts event to Mel Young (skip), H. Bagnell, L. Sirols (absent), O. Purvis; runners-up were T. Hamilton (skip), R. Glassford, M. Camelon, F. Corkal. On the right Mel Young presents the Cochrane trophy to Dr. C. Jessop (skip), J. Hatch, E. Beaudry, R. Nadeau; runners-up were E. O'Connor (skip), R. G. Smith, L. Walford, T. Morrisette.

With Bob Ludgate presiding, trophies and individual prizes were distributed to Levack Curling Club's champions at the rousing annual social in the community hall.

Levack's enthusiastic curlers had another very good year, ranging far and wide to compete in bonspiels and bring home some classy booty. On one week-end, for example, Eddie Kauppinen skipped a Levack rink to victory in the first event at the Sturgeon Falls 'spiel, Orm Purvis led another Levack quartet to victory in the second event at Little Current, and Dr. Charlie Jessop and Neil White both got into the silver in the NOCA at Copper Cliff, the former skipping a rink of Sudbury doctors to the Chapman trophy and the latter leading a Levack

(Continued on Page 15)



The H. J. Mutz trophy is presented by C. H. Stewart to W. Bilows, A. Dane, E. Beaudry, W. McDonagh (absent); runners-up were A. Hutchison (skip), E. Luoma, G. McCue, R. Pilkington. On the right D. Rolka presents the Rolmac trophy to skip E. Hilton; other members of this rink were S. Plaskoski, J. Rodda Jr., L. Sirols; runners-up were R. Diebel (skip), J. Hatch, E. Beaudry, A. Fabel.



Winners of the Dolci trophy in the ladies' section were Mrs. Helen Drohan (skip), Mrs. Ruth Mornan, Mrs. Mary Ribic, and Mrs. Doris Forest, shown on the left. In the centre picture are the victors in the Endleman event, Mrs. Cecile Richer (skip), Mrs. Mary Ribic, Mrs. Angela Charlebois, and Mrs. Yvette Frohlich. On the right are Mrs. Peggy Hatch, Mrs. Dora Jessop (skip) and Mrs. Yvonne Bouclin, who with Mrs. Madeline Bar won the Matilda trophy presented by Piccolo Bros.



A grimace of pain clouds the usually smiling countenance of Joe Dempsey, referee-turned-wrestler, as his old colleague Bill Curry belabors him for tearing a few measly little handfuls of hair from Louis Papineau's toni. In the picture on the right Joe and his partner, Killer Kowalski, demonstrate on Inco Club steward Vern Tupling what they'll do next time to that Curry and Papineau. As for Vern, he smiled in relief when the boys stopped necking him.

Those Mad, Impetuous Wrestlers!

When good guys, bad guys, tag teams, midgets, battle royals, challenge matches and what have you begin to pall on the blood-frenzied fans, what does a poor wrestling promoter do next?

At the Inco Club promoter Larry Kasaboski has been faced with this fateful question before, and on occasion has even entered the squared circle himself to liven things up when the pot threatened to go off the boil. And now a new source of excitement has been tapped.

Doubting Thomases to the contrary it would appear that the Inco Club wrestling shows have really come up with something new under the sun. The latest twist offered the thrill-hungry public has been a series of challenge matches with a pair of referees as gladiators, and if you think that isn't right up the customer's alley you don't know your wrestling fans.

Big Joe Dempsey (342 lbs.) and Bill Curry (a mere 220) finally squared away, each with a partner, for a tag-team show. As referees they have been subtly taunting the fans for years with their timely back-turning and myopia to deeds both villainous and vile.

Only trouble is you can't hate everybody, so when Curry hooked

up with hero Louis Papineau the fans' fury was naturally directed at Dempsey and his partner, Karl "Killer" Kowalski.

The feud all started when Papineau, a few weeks ago, requested a new referee after losing to Kowalski via the disqualification route. Big Joe Dempsey was the referee complained of, and Bill Curry was selected as his replacement. The hitch was that Dempsey claimed he was never told about being replaced, so he appeared in the ring along with the wrestlers and Curry. Need we say more. It was quite an evening, with just about everybody getting into the act. After tossing hammerlocks and threats for a time, Curry finally challenged Dempsey to a match under any rules.

Their first encounter had its usual quota of underhand, under-the-mat tactics with Dempsey giving a good account of himself as a war-monger. In fact certain sedate ladies were just thirsting for his blood midway through the first fall.

And to prove that right doesn't always triumph over might, the good guys lost by default, when Papineau chased Kowalski to the showers and failed to get back to the ring before curfew.

A return engagement, complete with two referees, wound up with a more acceptable climax for the fans. The good guys took the third and deciding fall and were given a standing ovation. With no "rubber" rematch in sight it appears that Dempsey and Curry will return to the simple life of the referee.

Another classy performer appearing on Inco Club cards who needs no introduction to Sudbury mat fans is that mad Montrealer, Maurice Vachon. Few wrestlers arouse such deep hatred in the fans as Vachon, but when he really gets underway he is wilder than the wildest fan, chair-wielding or otherwise.

Wrestling will continue weekly at the Inco Club throughout the

summer and on into December, club steward Vern Tupling told the Triangle. Many of the old crowd pleasers like Don "One Man Gang" Evans and Tony Morelli are slated for later appearances. The midgets will also pay return engagements and many new faces and names will be billed as promoter Kasaboski parades his best performers each Monday night at 8 o'clock.

It's a good sport — if your blood pressure and lungs can stand it!

Frederick F. Wood Is Asst. to Vice-President

Frederick F. Wood has been elected assistant to the vice-president (publicity and advertising) of The International Nickel Company of Canada, Limited, it was announced by Henry S. Wingate, president.

Mr. Wood has been assistant to the vice-president of the Company's United States subsidiary since May, 1955; he has supervised its corporate advertising and industrial publicity since 1947, and directed its motion picture activities since August, 1950. In his new duties he will oversee and be responsible for co-ordinating all publicity and advertising activities for the Company and its subsidiaries.

Joining International Nickel's U.S. subsidiary in 1934, Mr. Wood served first in the accounting and production departments at the New York office, and subsequently at the Bayonne, N.J., works. Before returning to the New York office as a member of the sales department, he was with Whitehead Metal Products Company, Inc., an Inco affiliate.

He obtained his matriculation at Caterham, Surrey, England, and later attended the Imperial College of Science and Technology, South Kensington, becoming an associate of City and Guilds Institute. He is a graduate in civil engineering of Cornell University.

It is not lack of love but lack of friendship that makes unhappy marriages.

—Friedrich Nietzsche



Circus Thrills

At the Shriners' Circus in the Sudbury Arena it was a big man for a small horse when Bobby Johnston smilingly went along with a picture gag suggested by Gentle Jack Harrison, the clown. Bob's dad, Ken Johnston of the transportation department at Copper Cliff, enjoys the play. They live in Lively.

Another young 6-year-old Incoite who's heartily in favor of circuses is Lorna Gould, seen inhaling a cloud of cotton candy. She's with her daddy, Lorne Gould, who



works on the converters at Copper Cliff smelter. They live in Sudbury.



Inco Club wrestling fans roar with glee as a villain gets his just deserts (probably a broken arm or two).

John Weir Has Many Admirers

"One of the most thoroughly reliable men I have ever met," was the tribute paid by reduction works manager R. R. Saddington to John Weir, who has retired on service pension. Of that rare breed capable of instilling his own conscientious attitude toward work in others, he will be greatly missed at Copper Cliff smelter by men and supervision alike.

Born 65 years ago in Scotland, John worked as a coal miner and a farmer before coming to Canada in 1927 to take up farming near Sherbrooke, Quebec. Setting out with a family of five small children to make a home in a strange new land required faith and courage; fortunately John had plenty of both.

Early in 1929, with the depression coming and farming going, John moved on to Copper Cliff and got a job. An old friend from Scotland, John Henderson showed him the ropes. Starting in the blast furnaces John also worked on the reverbs and roasters before taking over as flue dust boss in 1938. He held that job until his retirement, his familiar lean figure appearing in many parts of the operation in the course of a day.

In 1914 John married Mary McDonald. Of their family Robina is the eldest; she is Mrs. F. Hicks of Sudbury. Next is Johnny, who operates a store in Copper Cliff; then Marlon, Mrs. Boden of Toronto; Frank, a locomotive engineer at Inco, and Mary, formerly of the tabulating department at Copper Cliff and now married to Harold Floss of Frood. In all they have 14 grandchildren.

John has bought a new home outside Toronto, at Scarborough, and there hopes to take up gardening seriously again. In Scotland he was quite a hand at horticulture, having considerable success with his flowers in the local

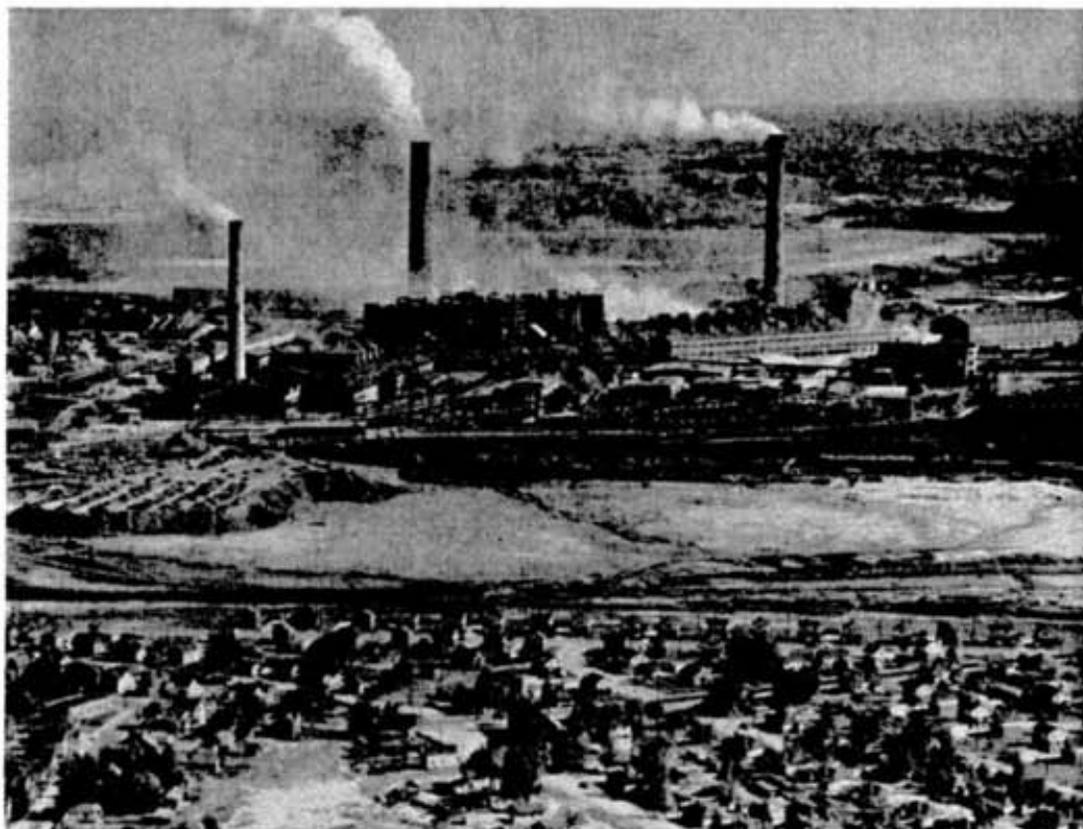


Photo by George Hunter

An Aerial View of the Inco Reduction Works, Copper Cliff

shows. Perhaps now that he has time he'll even grow some strawberries as large as those he claims were commonplace in the land of the heather.

John was a curler at Copper Cliff for several years. He always enjoys fishing, especially before daybreak, a fact well known by some. In good health, he has a keen interest in his family and friends, and enjoys a plain, modest philosophy all his own. Suffice to say, John Weir is a happy and contented man.

Inco Announces High Temp Alloy

It is possible that the new high temperature nickel alloy material, which is marketed under the trademark Incoloy T, will find future application in airframe parts of planes to be used for hypersonic flight at speeds encountered in the region of the thermal barrier as well as in the highly stressed parts of jet engine combustion systems.

Incoloy T titanium-containing nickel-iron-chromium alloy is produced as a strong sheet material designed to operate at temperatures up to 1400° F and in some applications even higher. It is similar in composition to Incoloy* nickel-iron-chromium alloy and contains in addition about one per cent titanium.

Incoloy T alloy has excellent oxidation resistance at temperatures up to 1600° F. Cyclic oxidation tests conducted on the alloy at 1600° F for periods from 100-1,000 hours showed that the change in weight with time was of the same order for Incoloy T as for Incoloy. At 1600° F, for both of these materials, change in weight in cyclic oxidation is a gain because of the tight adherence of the oxide layer that is formed.

Incoloy T sheets as produced are annealed at 1900° to 1950° F. Fabricators using the alloy have obtained an excellent combination of formability and strength by process annealing components at 1800° to 1850° F. for from 20 to 30 minutes, followed by rapid air cooling.

For properties at temperatures below 1200° F, the tensile and rupture strength can be improved by cold working. Since this alloy is usually fabricated into components where attachment by welding is necessary, cold working for the purpose of increasing strength is not recommended.

The new alloy was developed by Inco research which is conducted both at Huntington, West Va., and Bayonne, N.J.

QUICK QUIZ

1. Is June Canada's most popular marriage month?
2. How many national parks has Canada?
3. In 1951 the average wage in Canadian manufacturing was \$1.25 per hour. What is it today?
4. Apple growing in Nova Scotia's Annapolis Valley dates back to when?
5. What is the origin of Calgary's name?

ANSWERS: 3. At January 1, 1958, \$1.66 per hour. 5. Colonel Macleod named an RCMP fort there after his birthplace on the Isle of Mull, Scotland. 1. No, July, August and September all had more weddings in 1957. 4. To about 1650. 2. A total of 29; Banff Park, established in 1885, was first.

VERY FRAGILE

A post office clerk asked an old lady, who was posting a Bible to her brother in a distant land if there was anything breakable in her package.

The woman replied, "Only the Ten Commandments!"



A distinguished delegation waited upon John Weir at his home and, on behalf of his old pals in the plants, presented him with an easy chair in which he promptly relaxed wearing a smile of great contentment. Mrs. Weir received a bouquet of flowers, J. N. Lilley, superintendent of smelters, doing the honors. Picture shows Sid Smith, Jack Lilley, Russ Chambers, Pete Latta, Aubrey Wright, and Charlie Rovinelli, with Mr. and Mrs. Weir.

Frood Wins Inco Inter-Plant Bowling Championship



With a comfortable lead of 200 pins the Frood bowling team won the annual tournament of champions at the Inco Club in Sudbury, bringing joy to the hearts of their cheering section.

Six Inco plants were represented in the match. Posting a five-game total of 5747, Frood coasted home ahead of Garson (5544). In third place with 5505 came Copper Refinery: G. Blais, L. Andrews, F. Harrison, G. Sauve, and J. Tosto.

The other all-star teams and their scores: Copper Cliff, 5370, R. Sabourin, C. Bronson, M. Skuro, C. Cinotti, B. Basso. Crichton, 5360, H. Haddow, S. McIntyre, R. Bruce, P. Dumencu, P. Hreljac. Murray, 5206, M. Predon, E. Laurin, E. St. Marseille, R. Caesar, J. Kilby.

Individual high scorer of the tournament was Gerry Sauve of the Copper Refinery with a five-game mark of 1337.

Copper Refinery won the Inco Club's inter-league championship playoff, nosing out Copper Cliff by 71 pins in an exciting finish. Total scores for five-game match were Refinery 6027, Copper Cliff 5956, Frood "A" 5638, Ladies 5196, Frood "B" 4910, Frood "C" 4744. The individual champ was Mike Skuro of the Copper Cliff team with 1373, followed by Mrs. Pat Basso of the Ladies with 1226.



Fern Harrison of Copper Refinery draws a bead on the strike pocket, coached by two of his team-mates, Jim Tosto and George Blais.

TAKING NO CHANCES

It was late at night; the taxi had pulled up suddenly and the man from Aberdeen got out and began fumbling in his pockets. Finally he handed the driver a coin.

"I've known folks to give a bit over", grumbled the taxi-driver.

"Aye", replied the Aberdonian, "that's the reason I asked ye tae stop under this lamp."

Vern Tupling presents the championship trophy to the Frood squad of Dunc Risk, Erie Dunn, Fred Florotto, Cec Burton and Percy Dowse, and their trainer, Albert Stone.



Runners-up in the exciting six-team tournament of championships were these Garson bowlers, Ceell Ace, Ford Dittburner, Gaylord Cyll, John Vaillancourt, Byron Spencer.

Harry Tombs Had 43 Years' Service

With well over 43 years on the job, Harry Tombs rolled up one of Inco's longest service records. Retired now, he has every appearance of planning to spend the next 43 years as an Inco pensioner.

Arriving in Canada in 1913, Harry decided that Sudbury wasn't so bad after he took the stage-coach ride to Copper Cliff.

Job hunting in those days meant haunting the foreman in each department at the smelter, he says. He got several refusals before the carpenter foreman finally one day told him to go home and get his tools. A dry goods and shoe salesman in England, Harry barely knew one tool from another but off he went, bought second hand tools, looked wise, said little and started to work. He was soon transferred to the scale house.

He went overseas in 1916 as a machine gunner. Suffering total loss of sight and hearing for a time in France as the result of mustard gas, he says the cure was simple and effective — eat raw onions! Not conducive to winning friends though, he added with a grin.



Harry and Mrs. Tombs

After the war he worked in the scalehouse and in the old employment office at Copper Cliff, then was laid off in 1921. Recalled the next year he was posted for a time to Coniston, cycling there daily

from his home in Copper Cliff. Gravel roads and dark nights often combined to make this quite an adventure.

Returning to Copper Cliff Harry chose the concentrator and worked on many jobs in that operation until 1942 when, with arthritis giving him a rough time, he was moved to the copper sulphate plant. He remained there until retirement.

Born in England in 1893 he married Ethel Bourton just prior to embarking for Canada in 1913. They have two daughters, Irene, wife of the copper refinery's Len Kitchener, and Eunice, who is married to Bud Hallbourg of the industrial relations department at Copper Cliff. They have six highly esteemed grandchildren.

After living over 38 years on Church Street in Copper Cliff the Tombs now live in Lively. Harry finds that a little light exercise around the place, along with heat and aspirin help keep his arthritis in check. Both he and his wife are enjoying the privilege of spending more time together, and vastly enjoy their daily dart games, in which they were initiated by another Inco pensioner, Fred Lumley. Among the projects they are planning is a trip to California.

But regardless of what the future may hold the Tombs are just about as happy a couple as one could hope to meet.

BIG TALK

An Indian in New Mexico was smoke-signalling love messages to his girl friend a few miles away. Suddenly an atom bomb test was made, covering the sky with smoke for several miles.

"Geel!" exclaimed the Indian, "I wish I'd said that."



At the May Ball

The gymnasium at Copper Cliff High School was transformed into a Japanese carnival scene for the annual May Ball of the Students' Council.

Ushered to one of the cabaret tables by the head waiter, Peter Dow, were Diane Frattini and Robbi Saari, Art Wilkie and Gail Latreille. The smiling couple on the right were Marlene Rinaldi and Bill Rogina.

Rated top social event of the school year, the dance fully lived up to expectations.



Legionnaires Entertain Ladies, Celebrate Start on Building Hall at Cliff



The eighth annual ladies' night of Copper Cliff Canadian Legion took on special gala atmosphere this year. Members were in high spirits over starting construction of the branch's own home, a "do-it-ourselves" project scheduled for completion next fall. In the group on the left above are shown, front row, Mary O'Neill, Marg Feick, Irene Pigott, Aileen Roy, Kay Peters, Ann Shaw; back row, Tom Peters, Jim O'Neill, Bud Feick, Jean and Herb Stewart, Vi Taylor, Lionel Roy. At the table on the right are Russ McDonald, Dorothy Alton, Kathleen McDonald, the Cecil Smiths and Martin Alton.

Mike Worked Canada From Coast to Coast

Before coming to Coniston in 1924 little Mike Rewak had worked Canada coast to coast. Retired now on disability pension he enjoys talking of those early days.

Arriving in Canada in 1914 he worked for the CPR near Chapleau, then put in a year at a bush camp near Nicholson, then moved to a government steam plant at Sydney, Nova Scotia where he spent the next two years.

Montreal and Toronto each saw him for a year. Tiring of city life he returned to bush work, this time back of Webbwood. The camp burned down in mid-winter and Mike and the others lost everything they owned. His employer then sent him to a lumber camp in British Columbia but Mike gravitated back to Ontario. Visiting friends in Coniston in 1924 he applied for a job at the smelter and settled down at last.



Mike and Mrs. Rewak

Mike was born in Austria in 1895. He has been working since he was 10 years old when both his parents died and he was forced to make his own way. He is proud of the fact that for 22 years he was a puncher in the Coniston plant and has the arms to prove it. The last 10 years he worked as a skimmer.

In 1939 Mike married Mrs. Reeves, a widow, whose two sons Jack and Bill work at Garson and Copper Cliff, respectively. Their daughter Germaine is Mrs. J. Robertson of Sudbury.

Mike built his present home in Coniston over 30 years ago and with more leisure at hand now intends



The Copper Cliff branch, named in honor of R. L. Beattie, one of its charter members, is 27 years old. And so are some of the handle-bar moustaches adorning the gay blades of this group: Marg Shortts, Mac Forsythe, Roy Longfellow, Agnes Forsythe, Gord and Kay McLean, Marty Longfellow, Cam Shortts.

doing some repairs and modernizing. His doctor has also advised him that taking things easy won't do him any harm so Mike will be busy at that also.

Klem's Still Looking For the Right Girl

Klem Sherieva has retired on pension from the timber yard at Frood where he worked for over 20 years. Still a bachelor, though not confirmed, Klem admits he may yet marry if he finds what he terms "a good woman."

Born on a farm in Lithuania in 1893, Klem migrated to Canada in 1926. His first job was on a section gang with the CNR, then he helped Saskatchewan gather her great wheat harvest. Like many others he gravitated to the big city and for several years was employed in the CPR yards at Toronto.

Coming to Sudbury in 1934 he worked at several odd jobs before



Among the guests were these from Cheilmsford, Elsa Richards, Harvey Nadeau, Clayton McDonald, Lorne Richards, Pat Bradshaw (president Cheilmsford branch), Doug Gathercole (president Copper Cliff branch), Elizabeth Bradshaw, Elsa McDonald, Lois Nadeau. The party was held in Legion Memorial Hall, Sudbury.

being taken on at Frood in 1935. After a year or so underground he transferred to surface and pitched in with the timber crew. He was known by all to be a good dependable workman.

For the past 20 years Klem has lived in a comfortable home on Sudbury's Minto Street and expects to stay on there. Daily walks around town and sun baths down at the lake combine with reading and loafing to put in the time quite nicely for him. And time will

always remind Klem of the fine gang at Frood who presented him with a watch upon his departure.

In good health, Klem says he'll take a part-time job if one comes along. Actually he is quite happy with things as they are, and is thoroughly enjoying life.

A family is a unit composed not only of children, but of men, women, an occasional animal, and the common cold.

—Ogden Nash



"Easy does it" says Gerry Smith to son Ken as they bend another oak rib in place on the sailing sloop they are building. If not handled with care the ribs crack. The pine battens that shape the boat are seen running lengthwise over the form boards. This is the first boat Gerry has built.

Gerry Smith Building an Arrowhead Sloop

"Fast, trim and able" is the way the book describes the Arrowhead sloop, and Frood's Gerry Smith hopes his craft will be just that when he finishes building it. A project he has had in mind for several years, Gerry finally went at it this spring and hopes soon to add yet another graceful spread of white-winged symmetry to Lake Ramsay's steadily growing sailboat fleet.

The Arrowhead sloop, which Gerry says is a scaled-down model of the famed Bluenose, is 21 feet long, has a 6-foot beam, draws but a few inches of water with the centre board up, and sports a 24-foot mast and approximately 180 square feet of sail in a mainsail and jib. It is one of the fastest sailing craft on the lake. Commodore Al Bell of the Sudbury Yacht Club built one several years ago, and it has proved seaworthy and sound.

Starting construction in the basement rumpus room of his home on McNaughton Street, Gerry later moved his forms outdoors, and before many evenings had flown the hull began taking shape.

With form boards in place and lined up, pine battens are nailed lengthwise giving the boat its shape. Over these oak ribs are bent, a rather tricky operation if not done properly. They must first be carefully soaked and steamed for several hours and even then some are bound to crack. Gerry improvised a setup of an old piece of eavetrough and an electric heater for this job.

Next the keel and keelson, stem and transom are fitted. These are of oak and the board for the stem

alone cost \$12, plus \$5 for cutting. Then the planking, 9/16-inch random width cedar, is laid. It is secured with brass screws of which Gerry estimates it will take over 20 gross to finish the boat.

All this work has been done with the hull inverted. Now it is turned right side up and the mast, of B.C. fir, is installed. Then come combing, transom, moulding and seats, all made from oak or mahogany, leaving a cockpit about 4 feet by 8 feet. The plans suggest caulking the hull but Gerry intends giving it a complete covering of fibre glass, which he believes will strengthen the boat and make it more seaworthy.

The sail he ordered from England after reading in the Triangle that this was what Alan Harcourt did when building his catamaran last summer. The sail is of terylene, which is English dacron. It will not mildew and is particularly dense and tough in addition to being light in weight.

Of the sloop's accessories Gerry is very proud of the set of riding lights and flags. These were given to him by the several kid hockey teams he has spent so much time with during the past few winters, and came as a complete but welcome surprise.

Gerry's oldest son Ken is as keen on building the new boat as his dad, and Gerry says he could have a dozen teenagers helping if he'd let them. "A great project for boys," he declares. Ken learned to sail a dinghy at John Island camp so he'll likely be skipper until his father gets the wheat chaff and oil slicks blown out of his system.

Gerry intends sailing Lake Ramsey until he polishes up his seamanship, and will then probably have a go at the North Channel.

Total cost of the boat will be over \$700 but Gerry figures he'll have more pleasure than he would from the same investment in a motor boat, plus the satisfaction of being the builder.

Gerry is assistant mine engineer at Frood-Stoble no. 3 shaft.

The plans for his new sloop are from a Popular Mechanics book on boat building.

Ring Down

(Continued from Page 10)
crew to second prize in the Sweet Caps.

The ladies' section also had a highly satisfactory season which they wound up in real style with their own banquet at which the presentation of trophies and awards was conducted by Mrs. Jean Koski.



Queen's Scout

Holding his Queen's Scout badge, John Lamacraft is warmly congratulated by scoutmaster Bob Neal, who made the presentation. John has been a member of the 1st Copper Cliff troop for four years. To qualify for the Queen's Scout award a boy must, among other things, be a 1st class Scout, earn five specific proficiency badges plus one badge each from three other groups. John's father, Jack Lama-craft, is a well-known Copper Cliff smelterman and Rod & Gun Club enthusiast.

Back the attack on traffic accidents — a chance taker is a potential crash maker.



Large Crowd Enjoys Anniversary Dance

The Copper Cliff Club's 42nd anniversary was marked by a smoothly arranged dinner dance, greatly enjoyed by a large number of members and their guests.

The Geoff Wilkinsons and Bob O'Hara and Gail Locke are in the foreground of the above picture; also shown are Dr. and Mrs. John Stalker, the Herb Stewarts, the



Harry McIntyres, the Jack Howes, and the Ron Taylors.

In the other pictures are the Mel Youngs of Levack and the John Schijns.

Square Dance Clubs Well Pleased with Season's Socializing



It was "graduation night" for a new class of members coached by George Stalker, so Lively's Wheel & Whirl square dance club made a gala occasion of it. Some 20 sets took the floor and put extra zing and bounce into the snappy program of figures called by their boss man, Doug Marshall. It was a pretty sight to see. A turkey supper served by the ladies' auxiliary of the Lively Canadian Legion topped off the evening. Yvonne and George Fleming and Fran and Dan Kelly are the couples at the buffet in the picture on the right, George moaning with delight at the vision of all that lovely food.

The Front Cover

For this month's cover picture the Triangle camera followed Andy Ostashek of Creighton to one of his favorite fishing haunts in the French River country.

From lovely Pine Cove Lodge he travelled up Wolseley Bay to Five Fingers Rapids, there to cast for his first pickerel of the season.

A canny fisherman who seldom comes home without his limit, the genial Andy is a shift boss at No. 6 shaft of Creighton mine, his beat lying between 64 and 68 levels.

Simple to Grow

(Continued from Page 5)
useful in deciding which strains are suitable.

Mrs. Chaddock's garden is unusual in that there is no lawn in the front area, only flowers, which makes for a bright and attractive appearance. For the number of plants she likes to grow it is almost a necessity too, on a 40-foot lot.

Mrs. Chaddock was brought up in a gardening family in Eaganville and has since grown flowers



Jennifer and Walter Curlook, and Ralph and Bernice Cook, shown on the left above, were thoroughly enjoying themselves at the big party. In the group at the right are the members of the Wheel & Whirl executive with their wives, Bill and Cele MacAlpine, Ray and Lina Condie Bus and Doris Dyck, and Bill and Vi MacKay.

in many locations from British Columbia to James Bay. Her husband Bill, who works in the mines mechanical department at Stobie, also takes an active interest in the garden.

A man seldom loses his shirt if he keeps his sleeves rolled up.

Cliff Midgets Knocked at the Front Door



Jay McCarthy's Copper Cliff team were hot contenders for the 1958 northern Ontario midget hockey championship. Before Noranda finally stopped them in the finals they eliminated Sudbury Kiwanis, the Soo, and Temiskaming along the playdown trail. Shown here with Jay are Jerry Randall, Bob Harkins and Richard Nicoll. Other stars on the team included Jim Sheehan, Brian Campbell, and Bud Delorme.



The Sudbury Inco Club's peppy Tri-N-Square group also finished off a successful first season with Les McDougall and Clyde Dunsmore sharing the calling assignment. The first 12 sessions were instructional and were repeated for the convenience of shift workers. Picture shows Bob Lesk of Creighton (facing camera) with Marion McOrmond, whose husband Walter works on the roasters at Copper Cliff smelter, and Louie Fajez of the geological department at Copper Cliff with Mrs. Pat Cooper; other members of the set were Mrs. R. Abrams of Levack, Mrs. J. Bulmer, Murray Meek and Jim Spinney.