

# INCO TRIANGLE

VOLUME 15

COPPER CLIFF, ONTARIO, JUNE, 1956

NUMBER 3



Blossom Time



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

Don M. Dunbar, Editor.

EDITORIAL OFFICE COPPER CLIFF, ONT.

## Takes Charge of Inco Educational Programs

Dr. W. A. Mudge has been appointed special representative on educational programs of The International Nickel Company of Canada, Limited, and its United States subsidiary, The International Nickel Company, Inc., Henry S. Wingate, president of the two companies, announces.

"This newly created post in the office of the president is an extension of International Nickel's long established educational program and reflects our continued realization of the importance of technology in modern society," Mr. Wingate said. "As a member of the industrial community, we must do our part to assure the further technical progress of the free world."

Dr. Mudge will relinquish his duties as director of the technical service section of the Company's development and research division, which position he has held since 1947. During this time he has also been identified with educational activities carried on by Inco. These include a program of co-operation with universities and colleges in Canada, the United Kingdom and the United States in the dissemination of technical information as well as the granting of fellowships and scholarships.



DR. W. A. MUDGE

Dr. Mudge joined International Nickel in 1920 as a member of the research department at the Company's Bayonne works in New Jersey. Subsequently he was successively superintendent of research, superintendent of the refinery and works metallurgist at Inco's Huntington works in West Virginia. In 1939, he was transferred to the Company's development and research division in New York, first becoming assistant director and then director of the technical service section.

He is a doctor of philosophy and master of arts graduate of Columbia University, New York, and holds the degree of bachelor of



Evening Reflections, Vermilion River

science from Union College, Schenectady, N.Y.

In collaboration with Dr. Paul D. Merica, retired president of Inco who is now consultant to the Company, Dr. Mudge evolved the first age-hardenable nickel alloy, "K" Monel. He is the author of approximately 45 technical papers and articles on the metallurgy of nickel and also holds approximately 20 patents in the United States and several foreign countries, the most important of which deal with the age-hardenable nickel alloys and composite metals, such as clad steels.

During World War I, Dr. Mudge served as an infantry captain in the U.S. Army from 1917 to 1919. He was a lieutenant-commander in the United States Naval Reserve from 1938 to 1953.

### TRUE WEALTH

Miss Edith Reade sent this message to the graduates of Toronto's Branksome Hall, where she has been principal for 50 years: "I believe that God has given to each of us some special gifts and some special work that only we can do. We can neglect the gifts and refuse the work, but we must remember that when we come to the end of life all we possess is that part of ourselves which we have given away. These words of another will express more clearly than I can just what I mean:

"For any gift God gives to me, I cannot pay;

Gifts are most mine when I give them all away—

God's gifts are like his flowers which show their right to stay

By giving all their bloom and fragrance all away.

Riches are not in gold, or land, estates, or marts,

The only wealth worth having is found in human hearts."

## Mild Winters Coming? Jack Frost Has Retired



One of the most popular shift bosses the reverbs have ever had, Jack Frost got a rousing sendoff from a gathering of his smelter friends when he retired this month. This picture was made as he received a presentation from Robert Saddington, smelters superintendent. Although he elected to take his pension at age 60, Jack had a fine service record of 34 years and 6 months.

Nobody ever got indigestion eating humble pie.

# INCO FAMILY ALBUM



Mr. and Mrs. Leo Proulx (Copper Cliff smelter) with Denis, 5, and Rachelle, 14 mos.



Mr. and Mrs. Fred Morisset (Frood-Stobie engineering) with Lyse, 11, Paul, 7, Pierre, 12, and Jean-Guy, 14.



Mr. and Mrs. Irvin Roberts (Iron Ore plant) with Nancy, 3, Norma, 6, and Clyde, 8.



Mr. and Mrs. Sylvio Roy (Creighton mine) with Linda, 8, and Gerald, 7.



Mr. and Mrs. Larry Laycock (Garson mine) with Lorene, 13, and Douglas, 6.



Mr. and Mrs. Hector Leroux (Levack mine) with Yvonne, 4, Rachele, 4 mos., Denise, 12, Theresa (Mrs. M. Frappier), Helen, 6, Lorraine, 9, and, back row, Rene, 15, Aurel, 10, and Roma, 23.



# Another Phase of Smelter Improvement Program Completed

## Water-Cooled Slag Chutes Important Change to Reverbs

Installation of water-cooled copper slag chutes on all seven active nickel reverberatory furnaces at Copper Cliff completed an important phase of the Company's smelter improvement program.

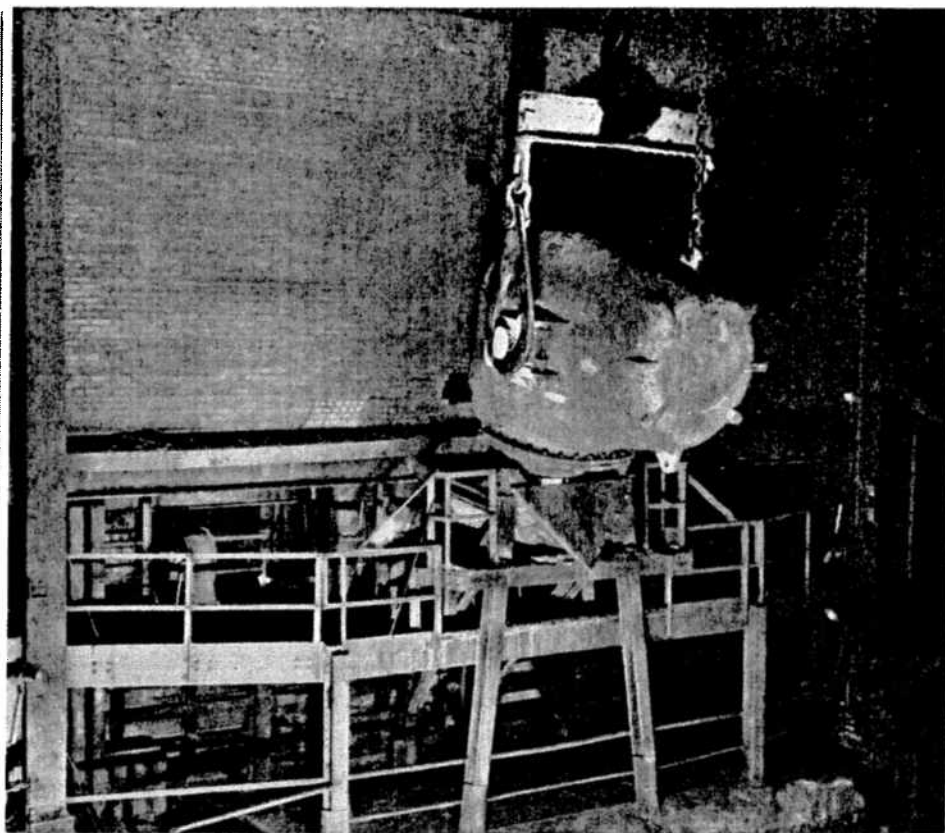
Among other features of the \$4,000,000 program, launched last year and proceeding as rapidly as schedules and receipt of materials will permit, are extensive additions to the ventilation system.

In the never-ending game of "put and take" that goes on between the converters and the reverberatory furnaces at the smelter, slag is continually being skimmed from the converters and returned to the reverbs for further smelting. The slag chute is the V-like trough at the end of the reverb into which the crane-man deftly pours the huge pots of slag.

Reverb superintendent Russ Chambers recalls that it was in 1954 that the idea of a water-cooled slag chute was proposed and after a satisfactory design was developed the copper refinery was asked to cast one and drill the water holes that run throughout its length. On April 11, 1955, No. 2 furnace became the envy of the other reverbs by being the first to sport this latest refinement. Other installations quickly followed and by December of last year Russ was happy to announce that the blessed event had happened to all the furnaces.

The chutes are in three V-shaped sections, each 5 feet long and 3 feet high, and tapering in width from 6 feet at the top to 4 feet at the furnace wall. The copper is 5 inches thick and altogether the chute weighs 11 tons. The upper and centre sections are bolted together but overlap the lower section and are not fixed to it so that they can ride over it if struck by the pot of slag.

The new chute, the Triangle was told by one of the slag chute men, is a big improvement in many ways over the old rounded cast iron chute, which on account of its



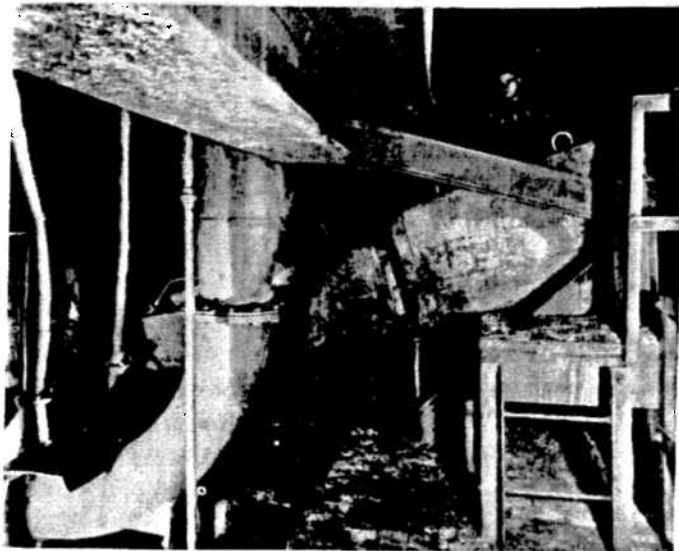
Into the new water-cooled copper slag chute on one of the seven reverberatory furnaces at Copper Cliff smelter a pot of converter slag is being poured by the crane-man. The V shape of the chute reduces spillage of slag.

shape did little to discourage sloshing or spilling and, having no water-cooling system, retained heat for a long time and also burned away at the furnace end, causing operating delays. Another disadvantage was that the surface of the cast iron chute was prone to become pitted, making accretions of slag difficult to remove.

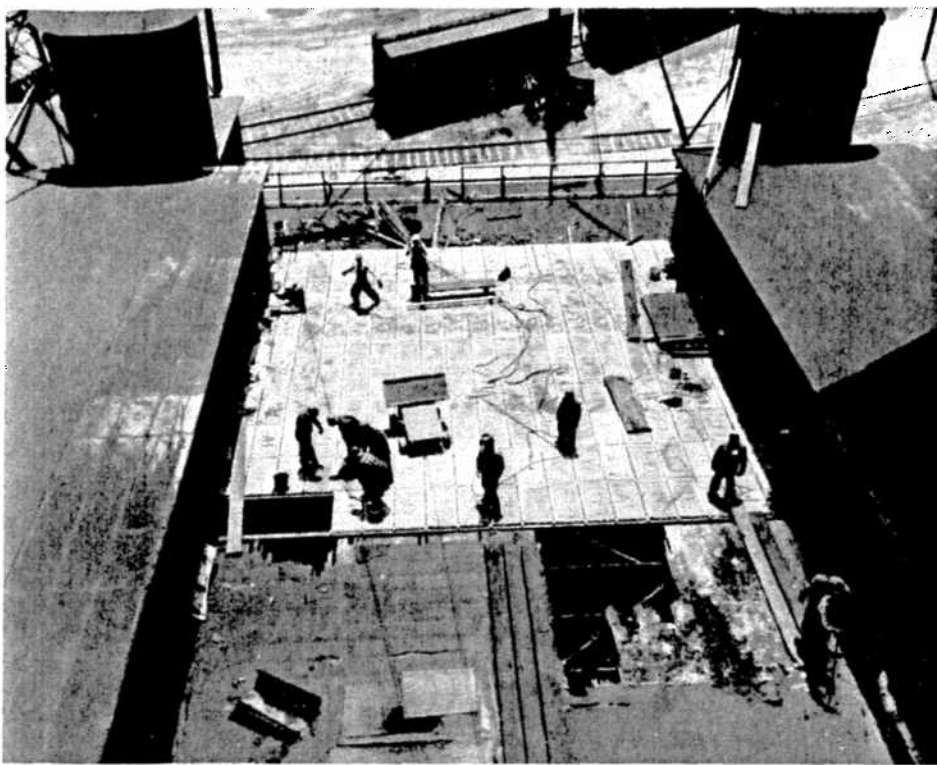
The new platforms from which the slag chute men work also help support the chutes; they are of steel covered with fire brick, which prevents warping and cracking previously experienced from spilled slag. Beneath the platforms a new type floor has been installed of sectionalized cast iron laid on a

cement fondu base, making the cleaning up of slag spillage a greatly simplified task.

In addition to providing a safer, cooler, cleaner working place, the new chutes help maintain constant proportions of ingredients in the furnace, highly important to the efficiency of the operation. Previous chute difficulties often resulted in upsetting the balance of furnace feed through irregular or inadequate addition of converter slag. Now each furnace gets its steady quota of about 700 tons of slag every 24-hour period, and this regular leavening in the furnace feed results in more uniform matte and slag.



A small residue of slag remains on the sides of the chute after the pot is poured. Water cooling of the chute makes this accretion brittle and easier for Herve Desloges to scale off. With the new sectionalized cast iron floor shown on the right, Herve can now use a broom instead of a shovel to clean up slag spillage, and no raised or missing bricks to cuss over.



## New Roof on Converter Building Has Base of Precast Concrete

Resuming a job that is suspended during the winter months, workmen are continuing the installation of a new roof on the converter building at Copper Cliff smelter. Due to be completed next year, it will cover an area of approximately 150,000 square feet.

The new roof has a base of Haydite precast concrete slabs set on the regular steel roof purlins (or beams) and fastened with stainless steel bolts. Over the slabs is spread a regular "Dagwood" of roofing material, six layers of asphalt alternated with layers of roofing paper. This bonded type of roof is expected to last for at least 15 years.

The old roof consisted of pine 2x4's laid edgewise on the purlins and covered with asphalt and roofing paper. Its life was about five years. It is being removed in small sections as the replacement job progresses.

The Haydite precast slabs are made from a patented sintered product known as Haydite aggregate which is mixed with cement and water to form a concrete. They are reinforced with stainless steel in the shoulders

and wire mesh in the remainder of the cast. They are made in many sizes, the standard being 2 feet wide, 4 feet 8 inches long and 3½ inches thick on the shoulders or ribs, with the centre or slab part about 1 inch thick, and weighing 135 pounds. One bay of the converter roof may require as many as 12 different sizes in order to fit corners and outside areas.

After bolting, all joints are grouted with a Haydite mix after which the roofing "sandwich" of asphalt and paper is applied.

Besides being light in weight and simple to maintain, the concrete base roof is fireproof. The old wooden roof was a fire hazard, being an almost irresistible target for a converter in an exuberant mood.

Roof repairs and maintenance require a good deal of time and attention. Each spring a survey of all roofs at the reduction plants is made by the mechanical department and a campaign planned according to requirements. Then the work proceeds in an orderly way, areas requiring immediate repairs getting top priority. New roof sections are laid out by the engineering staff with the location of each slab numbered on the drawings.

## Trophies Presented for Lively's Mixed Bowling

With a total entry of 24 teams, up 10 from last year, Lively's mixed bowling league put in a fine season at the Creighton Employees Club alleys and then wound things up in style with a banquet and dance at the Caruso Club.

James C. Parlee, manager of reduction plants, was on hand to present his trophy to Grant Villeneuve's championship team of Wally and Edith Vancoughnett, Don and Emily MacKenzie, and Grant and Mary Villeneuve. Runners-up for the Parlee trophy were the Maurice Laplante lineup of Andy and Mary Flynn, Ken and Cora Johnson, and Maurice and Ida Laplante.

James Dewey, president of the Lively Athletic Association presented the president's

shield to Rudy Toffoli's squad which finished first in the regular schedule: Jack and Lucy Sime, Liisa and Pete Demencu, and Rudy Toffoli and Jane St. Pierre.

Individual awards were distributed as follows: ladies' high single, Mrs. Irene McNamara, 328; ladies' high triple, Mrs. Pat Mulligan, 722; ladies' high average, Mrs. Dorothy McIntyre and Mrs. Dolly Shoveller, 194; men's high single, Gerald Rivers, 391; men's high triple, Ray Forth, 882; men's high average, John Dingwall, 223; high team single, Ed. Zettler's team, 1367; high team triple, Rudy Toffoli's team, 3733.

Jerry Mahon, master of ceremonies, complimented the committee in charge of the bowling league on the success of their efforts; chairman was John Dingwall, secretary John Spec, and treasurer Mrs. Celia MacAlpine. Jerry drew a lot of laughs with a poem he had written in habitant style about Monsieur Fortin, the "fire chief and fire ball" of the Lively mixed bowling league.

## Still Champion Baker His Family Declares

"He can still bake the best tasting bread in the world" — a statement to evoke mouth-watering thoughts of crisp crusts, warm dough and tantalizing aromas — is the proud boast of members of Rube Phillips' family and another good reason why his own seven progeny, an equal number of in-laws and 18 assorted grandchildren, as well as his wife, all hold him in such high regard. As a cook in World War 1 Rube learned bread baking and many other kitchen capers that still stand him in good stead.



MR. and MRS. REUBEN PHILLIPS

Rube, sidelined with a disability pension after close to 32 years' continuous service, was with the transportation department at Copper Cliff for most of his Inco years. He hired to the smelter originally in 1915 but quit to enlist. Prior to that he had worked for August Switch when the Inco dam was built at Bischo, near where he was born in 1898. Discharged from the army in 1918 he worked in the blacksmith shop at Copper Cliff until the plant shut down. In 1923 he returned and began his long and happy association with the transportation department.

Rube married Beatrice Lineham in 1918 and several members of their family are Incoites. Reuben and Jackie are first aid men at Copper Cliff, Gordon works at the radar station, Beatrice is Mrs. Hallows of Falconbridge, Ellen married Gerry Pollock of the loco shop, Harry works in the reverbs and Robert is at the copper refinery.

An enthusiastic gardener, Rube will be able to spend more time at his hobby now, although his doctor has told him to leave the heavy end of it for one of the boys. Between the garden, TV and bingo, at which he is usually pretty lucky, Rube feels that he'll have little time to get bored and is looking forward to enjoying his new leisure.



### INDIVIDUAL STARS

Individual prize-winners in Garson bowling are shown in this picture: J. Laking, men's club champ; Mrs. J. Laking, who scored high triple and high average in the ladies' league; Mrs. F. Claes, ladies' club champ.

# They Bagged the Booty in Frood-Stobie Bowling League



Frood-Stobie Athletic Association picked no headpin when they staged their annual banquet and dance to wind up the bowling season, but as usual rolled a resounding strike. The big crowd was in fine fettle, arrangements were tops, and everything went off without a hitch. These pictures show the teams honored in the presentation of trophies and prizes. On the left above is a lineup



that really cleaned up, finishing first in both the regular league and the playoffs in the "A" section: Jerry Oke, Cliff Collins (captain), Frank Jenkinson, Bill Aykroyd, Norm Horn, Bob Elliott. On the right are the "B" playoff champs, Harry Edwards (captain), Ed Marcoux, Wes Lepage, Andy Chartier, Pat Scanlon.



The fellows wearing the built-in smiles on the left are the victors in the "B" league schedule, Gil Ethier (captain), Ted Boyd, Charlie Price, Mike Panas, Percy Hall, Fred Boyd, L. Lauterque. On the



right are the "C" section playoff winners, George Tomac (captain), Ed Fortier, Jack Kennedy, Zenny Wowk, Hec Carrier; not shown, A. Paolin.



In the first picture above the boys who finished on top in the "C" League schedule, Pat O'Connor, Johnny Wiltshire (captain), V. Kayluck, Wally Morrison, E. Carmichael; not shown, J. Vaillancourt. The second picture shows five of the individual stars: Erle Dunn, high average (232) and high triple (902) in No. 1 group; Johnnie



Kruk, high single (390) in No. 2 group; Angus MacDonald, high single (377) in No. 1 group; Ed Whalen, high triple (863) in No. 2 group; Bob Hopkins, high average (217), high triple (838) and high single (365) in No. 3 group. Not shown, Jim Pettigrew, high average (227) in No. 2 group.



# They'd Be Tops in Any Inco Popularity Poll



For hundreds of Inco men this picture will refresh memories of care and kindness received when needed most. Far and wide has spread the fame of the nurses at Copper Cliff Hospital and the Inco Medical Centre in Sudbury. Here are some members of the staff, past and present, at their annual dinner at Cassio's restaurant: 1, Mrs. Barbara (Young) Mellow, 2, Mrs. Beryl (O'Brien) Dunn, 3, Miss Barbara Smith, 4, Miss Marj Smith, 5, Mrs. Bessie (Barnard) Linnington, 6, Mrs. Betty (Hughes) Hazelden, 7, Miss Allegra Walker, superintendent of nurses, 8, Miss Pat Fosten, 9, Mrs. Agatha (Mazzel) O'Reilly, 10, Miss Eileen Tobin, 11, Mrs. Betty (Steele) Leclair, 12, Mrs. Joyce (MacLean) Johnston, 13, Miss Nori Smania, 14, Mrs. Mary (Tongue) McGuire, 15, Mrs. Marg (Robinson) Yeo, 16, Mrs. Virginia (Digby) McMaster, 17, Mrs. Joanne (Jansen) Coulter, 18, Mrs. Marg (Cameron) Longfellow, 19, Miss Gladys Burnside, 20, Mrs. Phyllis (Cadman) Carley, 21, Miss Norma Hashey, 22, Mrs. Ruth (Elnarson) MacMillan, 23, Mrs. Laura (Drury) Heale, 24, Mrs. Corinne (Davis) McConnell, 25, Miss Mary Sauriol, 26, Mrs. June (Potter) Ganton, 27, Mrs. Dorothy (Chabot) Knowland.



At one of the tables at the Inco nurses' annual dinner was this quartet, Miss Pat Fosten, Miss Marj Smith, Mrs. Virginia (Digby) McMaster, and Mrs. Margaret (Sauve) Bremner.

## Have Large Family

Mr. and Mrs. J. B. Roy, shown below, have 11 children living and 18 grandchildren. Seven of their sons, Jean, Leon, Ernie, Leo, Romeo, Paul and Norman all work in the Sudbury district; of their daughters, Theresa is Mrs. Jon Joanis of Creighton, Claire is Mrs. Marcel Brunette of Copper Cliff, and Anita is Mrs. R. Lalonde of Sudbury.



Mr. Roy, who recently retired on pension from the nickel reverbs at Copper Cliff smelter, was born in Pembroke in 1886 but raised on a farm near Chelmsford. His wife was Amanda Chevrier, and they were married in 1917.



The scene at Nickel Park, Copper Cliff, as Creighton and the Redmen locked horns in their first tangle of the season.



For their opening home game Coniston put on the dog, had their majorettes parade.



Creighton's great little Gerry Girard is as dangerous as ever at the plate.

## Looks Like Garson Is One to Beat in This Year's Race

Departure from the traditional 24th of May week opening of the baseball season incurred the downright displeasure of the weather man. Scheduled for June 3, the official launching was for the first time in Nickel Belt history ruined by rain. Creighton and Coniston, last year's finalists, were all set to take up where they left off but were forced to postpone their initial meeting to June 5, when a large turnout of the faithful saw Coniston eke out an 8-7 win over Creighton, making it five straight if anyone wanted to count last season's four final games.

Coach Norm Hann is again guiding the destinies of Coniston's entry and this year has considerable youth on display among his Red Sox hopefuls, including Richie Caverson, Joe Barbe, both of whom saw service last year, and Ronnie Zanutto and Moe Bartoli. Still in there with the solid stuff on the Sox pitching staff are Ray Muise and Keith Boyd, and Tubby Halverson is back on the job in right field. Sporting smart new uniforms Coniston look the part of champs and come September they hope this is no mere optical illusion.

Creighton, despite a scouting spree this spring, had not come up with much in the way of new faces as the season opened.



Garson's flashy shortstop import, Harold "Rabbit" Hair, stems a wide throw as Puro of Frood steals second. At the right Hair shows his hitting style; he powdered two homers and a single in his first local demonstration, an impressive show.



Coach Earl Brandy is going along with much the same club as last year, plus a couple of Juniors and minus Ev. Staples. Young Eddie Hreljac of badminton fame is giving a good account of himself at short stop and is teaming up nicely with Billy McLaughlin at second on double plays. With three Hreljac's — Frank, Johnnie and Eddie — all on one team, Creighton appears to have the "family" edge on Coniston, whose three Boyd brothers have been reduced to two.

Playing coach Gerry Wallace of the Copper Cliff Redmen came up with several new boys for the fans and opposition to look over, plus three juveniles who hope to see some action this year. Among these is Romano Taus, whose father Bruno nipped Copper Cliff out of many a hole in the not-too-distant past. Other valuable juveniles are Bobby Fuller and Louis Vesentin. George Rau, a big, good looking import from Windsor, may make first base his regular summer abode and Earl MacDonald from Montreal and formerly of Brantford in the Inter County, may be the answer to the Redmen's prayer for a good lefthander. Another newcomer is Paul Chauvin from Stoney Creek, near Windsor, who as the season closes will be opening a French text book at Copper Cliff High School and explaining to students there that la balle and le bat are not used for sport in the winter time. With Wallace and Zorica making the neatest twosome of any infield and Moose McQuarrie a tower of strength on the mound the Redmen are definitely going to be handling out trouble again this year.

Garson Greyhounds have gone all out import-wise and have come up with what many experts consider the team to beat. Always a slugging club they are even more so this year with the addition of three former members of Hamilton's entry in the Pony League, two of whom are showing real strength at the plate. Shortstop Harold "Rabbit" Hair and outfielder Robbie Robertson are real power hitters and in Garson's opener with Frood, Robertson got one and Hair two home runs in addition to sundry other useful hits. Hair looks to some like the best shortstop seen around here for some time. Al Duncan, the pitcher, is the third member of the trio and he will give Garson's sagging mound staff quite a boost. With regulars George Armstrong, Joe Schisler, Gil Benoit, Marty Burton and others, coach Danny Cuomo has built for Garson's greatest season yet.

Sudbury Frood Tigers did reverse the field this year by not importing any players. Juniors Dave Luculic and Jim Gorday are up trying senior ranks but otherwise Worthington, Puro, Barbeau, Maud, Watkins and company are much as they were last year with a not overpowering infield or pitching staff. Word has it, however, that reinforcements are on the way and will arrive before the July 15 deadline.

Berk Keaney, new umpire-in-chief, has in addition to Cliff Bennett and Buck Paquette several new faces on his staff of arbitrators.

Three men handling each game should make for fewer gripes, but probably won't.

It's rather early in the season for predictions but it is reported that one of Lige Beaver's pop peddlers has an aunt in Bombay who feels that Garson, Copper Cliff, Creighton, Coniston and Frood is the way they'll finish the schedule. Oh Auntie, how could you!

#### MISERY LOVES COMPANY

Hungry, exhausted, frightened, the man in hunting togs dropped the rifle he'd been dragging, stumbled forward, threw his arms around the man who had emerged from a patch of timber, and cried, "Thank goodness! I've been lost two days. Am I glad to see you!"

"Hey, take it easy," mumbled the other man. "I've been lost for two weeks."

## Collins Cup Winners Royally Entertained



Carrying on the happy custom of his late father, George Collins entertained the winners and runners-up in the Collins Cup event at the Copper Cliff Curling Club. Picture shows him, during a very enjoyable stag party at his home on Lake Ramsay, presenting the trophy to the victorious rink of W. C. Jarrett (skip), Howard Jones, Tommy Zaltz, and Art Hughes. Skip of the runners-up was Roy Longfellow.

## Fishing Map His Gift to Posterity

When the Algonquin zone of the Federation of Anglers and Hunters decided that in addition to a good 5-cent nickel this district's real need was a good fisherman's map, they undoubtedly had in mind a certain member's special capabilities and enthusiasm. As everyone hoped, Clarence Buck volunteered to do the job.

The winter of 1950 proved a lonesome one for Mrs. Buck as her hubby spent almost every evening at this piscatorial puzzle, checking countless bits of information, coordinating, sketching, copying, tracing, and finally completing a remarkably detailed and accurate guide to the sportsman's paradise known as the Sudbury district. In addition to general information the map indicates by color code what type of fish is to be found where. Except for a slip of the pen that put lake trout in the French River, the monumental job has stood the test of use by that exacting fraternity to which it was

dedicated. What cartographer could ask more?

Love of the outdoors has been a way of life with Clarence Buck since his early boyhood in the hills of Montana. A devoted hunter and fisherman, he is also truly concerned with the future of the sportsman's heritage, and his efforts to this end were duly recognized when he was awarded the Morse trophy for the greatest contribution to conservation. He also had the honor of becoming the first life member of the Ontario anglers' and hunters' federation.

Graduating in 1912 in civil engineering, he spent several years as city engineer at Missoula, Montana, before moving on to a year at Roosevelt dam in Arizona and another year with Anaconda Copper at Great Falls. In 1917 he came north to Canada, spending three years with British America Nickel at Murray Mine, and then he was off to the Chilean Andes to help build a smelter for Braden Copper. From there he went to Sierra de Pasco Copper, and it wasn't until 1926 that he arrived in Copper Cliff on a two-year designing assignment that stretched into 30 years of worthwhile service to both company and community.

In 1918, while he was at Murray, Clarence was married to Eileen Kelly of Sudbury. Now, five children and seven grandchildren later, they're still a happy young couple. Of their three daughters, Clara is Mrs. David Chenoweth of Montreal, Aline is Mrs. Gordie Heale of hockey fame, and Mary Louise is attending high school. Their son John plans to enter university in the fall. Another son, Fred, was killed on active service with the RCAF.

At a mechanical engineering department party in his honor, a TV set was presented to Clarence as an expression of the warm affection and esteem in which he is held.

Devoting part of his time to private business in Sudbury, and the balance to increased participation in his favorite hobby, Clarence is finding "retirement" a very pleasant arrangement. His associates sigh with relief that his cherubic countenance suitably wreathed in cigar smoke, continues on the local scene.

Keep your mind on your work, not your work on your mind.—N.Y. World Telegram



MR. and MRS. CLARENCE BUCK



This is the cast of characters in the Empire Day presentation at Waters Township Public School No. 1D. Surrounded by her pupils is the teacher, Mrs. Joseph Fortune, whose husband is stationary engineer at Creighton No. 3 shaft. In the picture on the left, Mrs. Norman Kneeshaw, one of the Copper Cliff I.O.D.E. representatives attending the ceremony, chats with four little girls who played the part of nurses.

## Pageant in Little Country School Captured Spirit of Empire Day

In a little one-roomed schoolhouse on the old Creighton road the ideals of the British Commonwealth shone just as brightly on Empire Day as they ever have even in the Mother of Parliaments. Many a casual Canadian would have profited from the lesson in citizenship taught by Mrs. Joseph Fortune's 30 pupils of Grades 1, 2 and 3.

Empire Day, which in Canada is now combined with Citizenship Day, is observed in schools throughout the many lands of the Commonwealth. In Canada the last school day before May 24 (Victoria Day) is designated for this commemorative event. Educational boards combine with service organizations to help make the occasion a meaningful one for the school children so they will learn to appreciate and be proud of their

national heritage.

The idea of an Empire Day occurred to the patriotic mind of Mrs. Clementina Fessenden of Hamilton back in 1896 when she observed the impression on her granddaughter on being made a member of the Wentworth Historical Society. She caught the importance of educating Canadian children in the traditions and ideals of the British family of nations, and three years later succeeded in having Empire Day recognized in the schools. The custom was introduced in the British Isles in 1904 and later spread throughout the Commonwealth.

Chapters of the I.O.D.E. help stress the importance of the occasion by holding essay contests and sending some of their members to visit the schools and give short addresses



In the picture on the left above, Mrs. Ted Wilson, another I.O.D.E. visitor from Copper Cliff, is in conference with the Sioux and Iroquois Indians who took part in the opening scene of the impressive pageant. On the right is the little one-roomed school at the junction of the old and new Creighton roads where the typical Empire Day program was held.

on the Commonwealth. When Mrs. Norman Kneeshaw, Mrs. Ralph Cleland, and Mrs. Ted Wilson of the Copper Cliff chapter were assigned to Waters Township Public School No. 1D, they had little idea of the treat in store for them.

Suggested by the provincial department of education and inspired by the success of the Colombo Plan which illustrates the spirit of helpfulness and goodwill existing between the nations of the British Commonwealth, the theme was carried out with imagination and obvious appreciation by Mrs. Fortune's young people.

Two groups of befeathered, war-painted Sioux and Iroquois Indians, with their teepees and other essentials of daily life, gave the children a clear idea of the country's early inhabitants by learning of their customs and actually portraying the characters. In a brief dialogue it was reported that the wild rice crop had been poor, portending a lean winter. The fact that hunger and want do occur in many lands today was then brought out.

The idea of helping one another was then illustrated by the boys and girls in several ways, showing the interdependence of individuals, families, communities and nations. Farmer, mechanic, fisherman, laborer, grocer were all there in the garb of their trades, and the importance of each in the general scheme of things was properly presented. An effective hospital setup, with doctor, nurses, patient, and receptionist demonstrated help in another equally important form.

Interdependence on a higher plane was depicted by a Colombo Plan meeting of the foreign ministers of the commonwealth. Canada's contributions to the needs of her sister nations are mentioned, among them a power development for India, a cement plant, steam locomotives and an experimental farm for Pakistan, and technical assistance and refrigeration plants to Ceylon for development of her fishing industry. From the conversations of the ministers the pupils grasped the significance of helping others, whether on a local or national scale, as part and parcel of the Canadian way of life.

The final touch was added when representative students from other lands meet with the Canadian minister to tell him of their hopes and plans for the future of their country and themselves.

Making the costumes for the presentation, done during art periods, also helped bring home the lesson of citizenship to the little students.

In each of the six years, Mrs. Fortune has been the teacher at Waters No. 1D. Empire Day has been made memorable for her class by some pageant of Empire significance. The special effort she puts into her work is typical of Canadian teachers and their far-reaching influence on the destiny of the nation.

## He Experienced a Few Of Life's Ups and Downs

The following "letter" appeared in the April issue of "Flare", published by the Polytechnian Club at C.I.L.'s Edmonton Works. Dear Editor:

I sure am sorry but I won't be back to work in time to help with the next issue of the "Flare". I had a little bad luck on my vacation.

When I arrived at my brother's farm in Saskatchewan, his brick silo had been struck by lightning and damaged at the top. I said I would help him fix it. We rigged a platform at the top and hoisted a barrel of bricks up; then we climbed up and repaired the damage. At this point my luck ran out.

I climbed down and untied the line that held the barrel, which was still half full of bricks. Since the barrel was now heavier

## Lively Guides Entertain Their Mothers



Patricia Quinn, a new gold cord Guide, was the guest of honor at the third annual mother-and-daughter banquet of Lively Girl Guides, at which the district commissioner, Mrs. K. W. Pollock, was chairman. In the group shown above are, left to right around the table, Mrs. A. R. Green and daughter Sharon, Mrs. F. Deburger and Erna, Mrs. R. F. Nicholson and Barbara, Judy and Mrs. A. Marson, Carolyn and Mrs. Frank Young.

than I was, the barrel came down and I went up.

I hit my shoulder and skinned my legs going up. When I reached the top my head hit the platform and my fingers got banged up in the pulley block. Meantime the barrel hit the ground and the bottom was knocked out.

The bricks fell out and the barrel was now lighter than me: it came up and I went down. When I passed the barrel going up it banged me in the chest. I hit the pile of bricks at the bottom and sort of turned my ankle.

At this time I must have lost my presence of mind, because I let go of the rope and the barrel came down on top of me.

That is why I have overstayed my vacation; as soon as I am out of the hospital I will be back to work.

Sincerely,  
I. M. Dolt.

## All His 28 Years Spent at the Frood

Close to 28 years as a toplander and cagender, all of it at the Frood, is the proud record recently concluded with the retirement on service pension of Hec Poirier. In 1927 he started with Mond Nickel, working on the deepening of its Frood No. 4 Shaft



MR. AND MRS. HEC POIRIER

to the 3350 level. In 1929, after the amalgamation of the two companies, he moved over to Inco's new Frood No. 3 Shaft as toplander, and remained there throughout his career.

Coming from a farm in Quebec, Hec worked at various construction and bush jobs until 1924, when he got his first experience in mining at the McIntyre. That same year he married Janie Cleary, who had been a schoolteacher in his home district and long the apple of his eye. They were wed at Timmins and are obviously still living happily ever after. Their home on Oak Street in Sudbury is a little showplace both inside and out, and keeping it that way is the favorite pastime of this nice couple. Their garden is both a pleasure and a profit to them since Mrs. Poirier "puts down" almost everything they grow, as is evidenced by their well-stocked fruit cellar.

On February 27, his last shift at the mine, the boys presented Hec with a swanky travelling bag which he intends to put to good use in the years that lie ahead.

## Quick Canadian Quiz

1. Of Canada's 3,685,000 families at June 1955, how many were childless?
2. In dollar value what was the leading product of Canada's mineral industry in 1955?
3. Since World War II Canada has advanced how much financial aid to foreign countries?
4. What is the average monthly wage of male farm help in Canada?
5. Name the only fresh-water fish that goes to sea to spawn.

ANSWERS: 4. With board, \$36 per month; without board, \$123 per month. 2. Petroleum, with a value of \$303.5 million. 5. The eel; eels from eastern Canada spawn near the West Indies. 1. 1,155,000 were childless. 3. More than \$4 billion, nearly half as gifts.

(Material prepared by the editors of Quick Canadian Facts.)

At 60 a man feels his corns more than he does his oats.





## What Could Exceed the Devotion Of a Trout Fisherman to His Art!

They go to a great deal of trouble to get the speckled trout season opened in the Sudbury District on May 1. Almost nothing, it seems, is too much to ask of some selfless souls in the name of the ancient and honorable cult of the trout.

A good example this year was the work done without so much as a murmur of complaint by three Copper Cliff disciples to get things going in a remote water by the name of Shoofly Lake. Arriving at the jumping-off place on the CNR called Felix, they found the lake still frozen to a depth of 18 inches, but they had brought along a toboggan to pack their supplies three miles up the shoreline to their favorite fishing hole. Next day, Saturday, the caught their limit of trout, including four super-speckleds that went 4½ pounds each. Just like that. Then they slept and loafed until train time Sunday night.

The pictures show some highlights of their big outing. In the first snap Jack Gifford of the crushing plant, armed with a vial of

panther poison in case of a surprise attack by those deadly enemies of the innocent fisherman, is being towed on the supply toboggan by Joe McNamara of the plate shop. The second picture shows Joe and Jack Johnson of the mill taking their ease while waiting for the train; in the background is Lucky 7, one of the eight or ten private fishing camps at Felix, this one owned by Dominic Bertrand of Murray mine and some friends. And finally there's a view of Jack Gifford with the catch, a sight to gladden the heart and soothe the soul of any nimrod.

He's been fishing the Sudbury District for more than 25 years, Jack Gifford says, but Shoofly Lake is the best he's hit yet for speckled trout. He just shakes in silent wonderment his head when he thinks of it.

"Can't see why in the world he wants to go to all that trouble to catch speckled trout," says Mrs. Gifford. "He won't eat them."



## Retirement

A pensioner begins a life of rest and relaxation,

His task accomplished; He deserves sincere congratulations,

A ritual impressive as a college graduation. His work is done. No more he toils through weary days and long.

God grant that he may live serene, with mind and body strong,

Enjoy the evening of his life with happiness and song.

A pension brings security, whatever may transpire,

And time for reminiscences beside a glowing fire.

Cherished friendships are revived when busy men retire.

This is a time for hobbies and for joys that never fade,

For fishing by a sunlit stream, or drowsing in the shade,

As Browning said, "the best of life, for which the first was made."

—MICHAEL FORAN

50 Gilmour Ave., Toronto.  
In Toronto Star Weekly.

## DISILLUSIONED

Mechanic: "The horn on your car must be broken."

Motorist: "No, it's just indifferent."

Mechanic: "Indifferent! What do you mean?"

Motorist: "It just doesn't give a hoot."

## Creighton Dukes Honored at Banquet



At a father-and-son banquet at the Employees Club, the Creighton Dukes were honored for winning their third successive championship in the Suburban outdoor midget hockey league. A group of the guests are shown above: left to right around the table, James Mitroff, Danny Metroff, Alphonse Rheault, Ronnie Rheault, Kenny Smith, James Smith, Irvin Riley, Cliff Riley, Arnold Keskinen. Manager of the champs was Percy Britton.

# Finds YMCA Work Excellent Way of Community Service

Among the many Incoites who find the YMCA an ideal medium through which to make their contribution of community service is Gerry Smith, assistant mine engineer at Frood-Stobie No. 3 shaft.

Shortly after he came to Sudbury from Edmonton in 1936 Gerry was attracted to the work of the Y's Men's club in developing Christian personalities and helping to build a Christian society through the organization of a Sudbury branch of the Young Men's Christian Association. Ever since that time it has been a hobby of unfailing interest to him and, as always with men who give of themselves for others, he feels that his life has been broadened and enriched by it.

The fine quarters and recreational plant of the YMCA overlooking the city from the east on the Elm Street hill represent an accomplishment in which many have shared. Gerry told the Triangle that Sudbury has been unusually fortunate in the number of its leading citizens with a strong sense of moral responsibility who have taken an active part in the financing and development of its Y branch, with the result that it is one of the strongest in Canada. Speaking of assistance, he also said it is doubtful if the recent large addition, completed in 1954, would have been possible without the wonderful help received from Inco.



## FINDS YMCA

Gerry Smith (seated) goes over some details of the Y's Men's John Island Camp with Bob Mornan (left), chairman of the camp committee, and Lionel Burgess, general secretary of the Y. A charter member of the official board, Bob is another of the many Incoites who have long been engaged in Y work.

Gerry came up with some interesting facts and figures to outline Y activities in Sudbury and district. There are more than 1,100 members in Sudbury and another 500 in the surrounding areas. At the youth centre, where a paid staff of 16 is employed, a 30-room dormitory is maintained so that there's always a bed available at a reasonable rate for a young stranger in the city until he has a chance to look around and get established. Swimming pool, the gymnasium, and other recreational facilities are provided for the activities of age groups

## No. 2 Platoon Stands Steady During Inspection



Cadet-Lieut. Fred Teed, No. 2 platoon leader, looks like the smart young officer he is as he conducts Squadron Leader C. A. S. Anderson, DFC, during the annual inspection of Copper Cliff Highland Cadet Corps in Nickel Park. Led by their pipe band, the corps were soldier-sharp in the march past and brought a gleam of pride to the eye of their commanding officer, Major Robin Swain. Among those attending the inspection were Lieut.-Colonel C. M. Wilson, Major R. C. Barnes, former commanding officer of the corps, and representatives of the sea and air cadets. Demonstrations of first aid, signalling, and the retreat and guard mount ceremonies were part of the inspection program, which earned warm commendation from Squadron Leader Anderson.

from 8 to 80. There are four groups each of junior boys and girls, five High-Y groups for young people of high school age, the Phalanx and Phiat groups for young men and young women, and the Y's Men and Y's Menettes for older members, besides various special groups and classes, all requiring leadership and pointing up the vital importance of able and willing types like Gerry Smith.

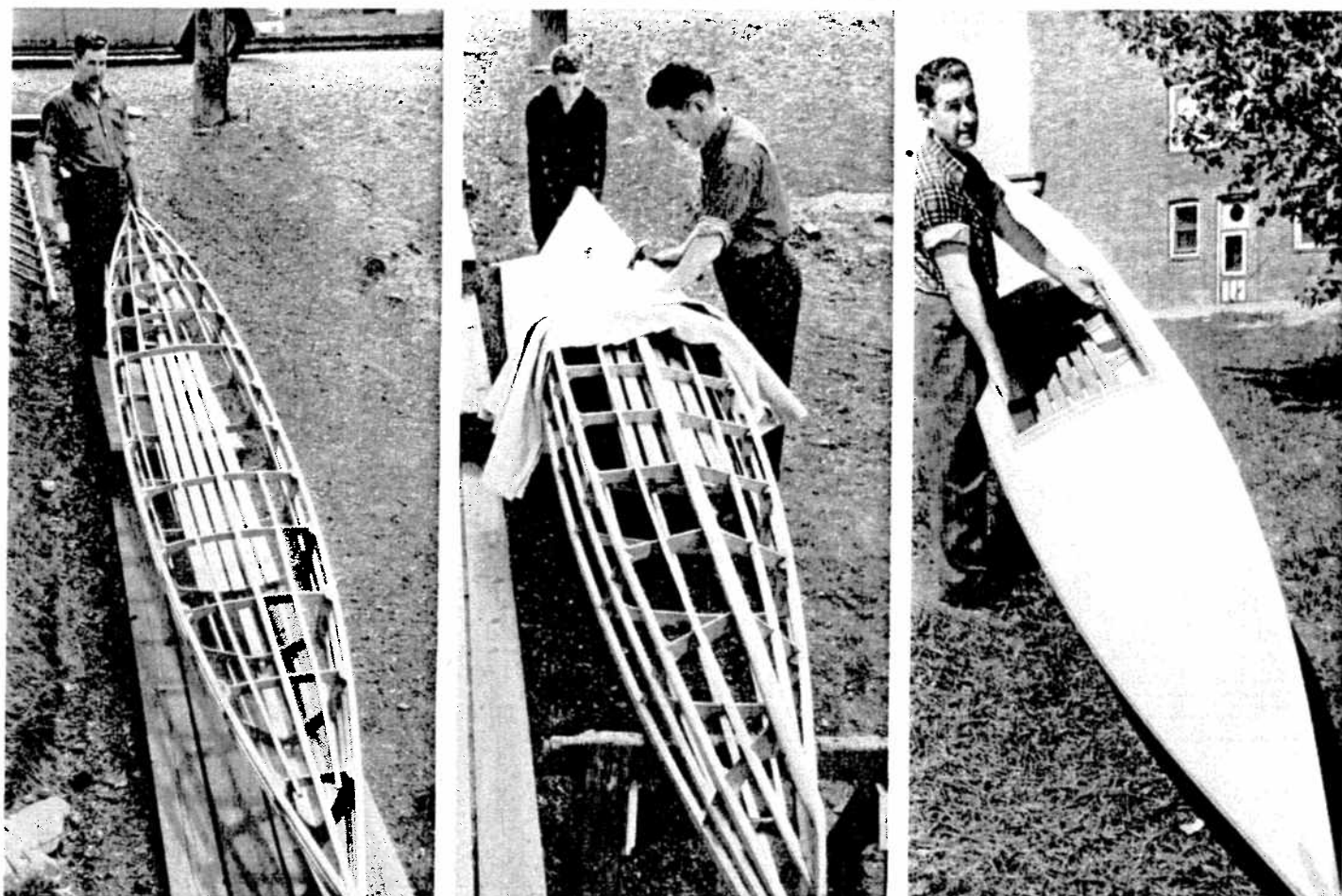
During the past year, Gerry elates, the Y has undertaken a vigorous extension program in the surrounding district, with the result that at least a dozen new High-Y groups are underway. Swimming classes at Creighton, Lively and Garson, and a ski school at Levack, were a few of the special projects organized. Since the Y have no wish to take over or duplicate the work of others, they first survey an area to determine the need for their type of activity before enlisting the services of a few local go-getters and then swinging into action.

At present district governor of Y's Men, Gerry has held just about every office in that organization. John Island Camp, in the North Channel about 12 miles from Spanish, is the Y's Men's project, and Gerry says to date it represents an investment of about \$50,000. The club has raised most of this money through its annual radio auctions, and its members and their friends have volunteered the labor to erect the buildings and maintain them. The camp has some

300 acres of beautifully wooded land with a fine sand beach and harbor, and can accommodate 90 boys or girls plus staff; it has electricity, running water, and a hospital and craft shop. Another camp, similar but not quite as elaborate, is operated at Lake Ramsay on Lemieux Island, now known as Y-land. The healthy influence of these two camps on the lives of the children who have attended them can of course only be guesstimated but it must be great.

A special reward to Gerry for his work as one of the High-Y group leaders is to watch young fellows who were members of his group a dozen years ago making a success of their careers in Sudbury. Next to the pleasure he gets from his part in the John Island Camp, he counts this his greatest dividend from community service. Helping boys to get the measure of themselves and of what will be expected of them in later life, through discussions, counsel, guidance, aptitude tests and other such means, is a prominent part of the High-Y program, and business and professional men are often called in to assist with their wisdom and experience.

Another special delight of a more personal nature is coming to Gerry these times as he sees his own two sons, Ken and Doug, come up through the various groups in the Y. When his daughter Heather also gets into the act he says his cup will be full to the brim.



Three stages are shown above of a do-it-yourself project that has provided the McGuire summer camp at Long Lake with an "Eskimo Evinrude." On the left is Jim with the kayak after the framework was completed; in the centre he and Michael are covering the frame with marine canvas; on the right Jim holds up the finished craft, which weighs only about 40 pounds.

## Jim and Michael McGuire Made Kayak for Their Long Lake Camp

If certain long range scientific predictions come true, generations yet unborn will wrestle polar bears and eat seal blubber in another great ice age. And if some of them seem to take more easily than others to handling a kayak, their name will probably be McGuire and their ancestry will trace back to one called Jim, member of the mechanical staff at Copper Cliff concentrator.

Last year Jim's 13-year-old son Michael became kayak-conscious after watching the fun another Long Lake summer citizen was having with one. These "Eskimo Evinrudes" are light, surprisingly durable, and great sport to manoeuvre. In the land of the deep freeze they're usually covered with seal skin, but canvas properly treated makes an adequate substitute.

Jim agreed with Michael that a kayak would make a fine do-it-yourself project and so they got cracking. Looking around for a suitable pattern they were finally referred to a firm down in London that came through with an excellent set of detailed drawings for \$1.50.

Spruce and fir were the principal kinds of wood called for,  $\frac{3}{4}$ -inch fir plywood being used for the ribs. Cutting these out by hand proved to be quite a job, Jim says, but the most important and most difficult task was laying the keel. A craft is only as true as its keel and Jim made no mistake with his; the  $\frac{3}{4}$ -inch oak keel was set on a 2x8-inch straight edge first, then after squaring, squinting and levelling it was securely fastened to a pair of saw horses and the spruce framework built around it. All wood joints were glued and nailed with special

galvanized nails. The marine canvas with which the framework was covered was tacked in place with copper tacks and then before painting was treated with six coats of aeroplane dope to toughen and preserve it. Completed, this Sportman's Kayak, as it is called, is 16 feet 9 inches long, 2 feet wide and 11 inches deep. It weighs about 40 pounds. The materials in it cost around \$60.00 and the labour — well Jim says he and Michael enjoyed every minute of the six weeks of odd-hour work they put into it.

Michael's stake in the project isn't just in helping make it — he contributed some of his paper route money toward the cost of materials, his father added with a note of pride in his voice.

Jim, who qualified for membership in Inco's Quarter Century Club this year, was employed by Fraser-Brace on construction of the concentrator and then joined the Company to work in the plant he'd helped to build. During the past 15 years he's been located at one of the pumping stations on the concentrator tailing line.

The new kayak will see plenty of action at the McGuires' pleasant place on Long Lake this summer, and its passenger list won't be confined to McGuire Junior, either, it's safe to bet.

### AIN'T IT THE TRUTH

Husband: "Maybe we can figure out what the problem is . . ."

"Wife: "I already know what the problem is — having too much month left over at the end of the money."

## Vic Baker Winner of Benard Shield for '55



A pickerel weighing 10 lbs. 11 ozs. won the highest rating in Copper Cliff Rod & Gun Club's 1955 fishing competition, and for being the lucky guy who caught it Vic Baker received the Frederic Benard shield. Presented at the club's annual smoker at the Italian Hall by Mayor Robert Saddington, it was accepted on his behalf by his son Bill, who is seen above (left) looking at the names of previous winners with Bill Trotter, also of Copper Cliff, who was runner-up with a pickerel weighing 9 lbs. 3 oz.



# Garson Club's Champion Bowlers Receive Trophies, Prizes



Men's and ladies' bowling leagues at Garson Employees Club joined forces again this year to finish off the season with a most enjoyable banquet and dance at the Club Allegri in Coniston. Trophies and prizes were presented to the winning teams as shown in the accompanying photographs. On the left above are the winners of the Davis trophy, H. McKinnon, J. Walker, A. Morin (captain), J. Grassam, and F. Grande; not shown, H. Williams, J. Armstrong. On the right are the Pidutti trophy winners, B. Spencer, A. Bretbauer, A. Sillamore, D. Teahen (captain), J. Stark, J. Stiles; not shown, L. Burton.



Shown on the left are the GMMMA trophy champs, M. Hyrstak, P. Goegan, D. Teahen, F. Burton (captain), B. Spencer, H. Lynds; missing, L. Burton. The victors in the Todd trophy event are seen on the right, F. Desjardins, L. Synott, P. Levesque (captain), H. Downie, E. Maki; missing, D. Cuomo, R. Murphy.



Mrs. H. McKinnon holds the Roy trophy and with her are players she captained to victory in this event. Mrs. A. Lye, Jr., Mrs. W. Morrow, Miss Mary Daoust, and Mrs. H. Robinson; absent was Mrs. J. Zimmerman. On the right are the victors in the Mady trophy event, Mrs. A. Muir, Mrs. J. Cull (captain), Mrs. F. Grande, and Mrs. R. Conrad; not shown are Mrs. G. Brankley, and Mrs. V. Latendre.

## THE ETERNAL RIDDLE

The strangeness of a man's way with a maid has been attested to, but the way of a maid being courted has always been a mystery to the male. One girl dismissed her sweetheart with the statement that she could not think of marrying him until he had a few thousand dollars.

Several months later she met him on the street and asked him how much he had saved.

He: "Thirty-five dollars."

She (blushing): "Well, I guess that's near enough."

## AT LAST!

A cyclone hit a farm house just before dawn. It lifted the roof off, picked up the bed on which the farmer and wife slept and set it down gently in the back yard. The wife was crying.

"Don't be scared, Mary," her husband said,

"we're not hurt."

"I'm not scared," she responded, between sobs. "I'm just happy 'cause this is the first time in 14 years we've been out together."

## KNOWS WATT'S WATT

Employer (interviewing applicant for a job): "Know anything about electricity?"

"Yes sir."

"What's an armature?"

"A guy who boxes for nothin'!"

# SNAPSHOTS OF LIFE WITH INCO



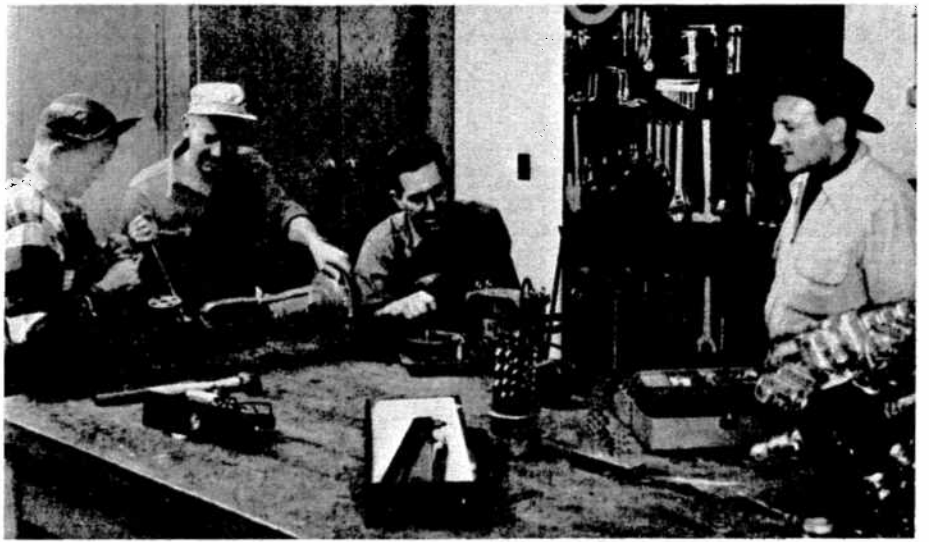
Resodding the front terrace at his neat little home on McNeill Boulevard in the Alexandra Park area, Sudbury, Bohdan "Bob" Borys got some help from a fellow smelterman at Copper Cliff, Mykola "Tarzan" Semanyzyn. The Triangle camera came along just in time to catch them in action.



Mrs. John Dowsett, who takes part in our cover picture this month with her daughter Ann, 2½, is the charming wife of one of the geophysicists (easier read than said) on the geological department staff. They have another daughter, Catherine, 1½. The fine flowering crabapple tree is at the home of Dr. and Mrs. Brent Hazlewood on Granite Street, Copper Cliff. It is about 20 years old.



After taking a 14-lecture course of advanced training given by members of the Company's medical staff, Inco first aid attendants then write a 2½-hour examination paper on which they scored as high as 98%. Set by Tom Crowther of the safety department with the assistance of Dr. J. H. Stanyon, the paper touched on a wide range of medical subjects.



The basement of the research laboratory at Inco's nickel refinery at Port Colborne houses a well-organized well-equipped instrument section supervised by Joe Rossi. Here Joe beams with approval on the job Henry Boyer and Murray Richardson are doing on an airmotor control valve, while Jack Rickard overhauls an optical pyrometer used in measuring tapping temperatures of anode furnaces.



Presentation to W. J. Ripley of a gold "Thanks" badge for his quarter century of stellar service to the Boy Scout movement was a feature of the annual Boy Scout father-and-son banquet at Copper Cliff. Shown at the head table, left to right, are R. H. Cleland, acting mayor; Ainsley Roseborough, district commissioner; Paul E. Queneau, assistant to the vice-president of Inco, guest speaker; Don Saville, scoutmaster; W. R. Morden, chairman of the group committee; W. J. Ripley, recently retired Inco master mechanic of smelters; Rev. G. Thompson, A. F. Runciman, chief constable; Mrs. Elsie Martel, assistant cubmaster; Lou Martel, cubmaster; Frank Fielding, a member of the group committee.