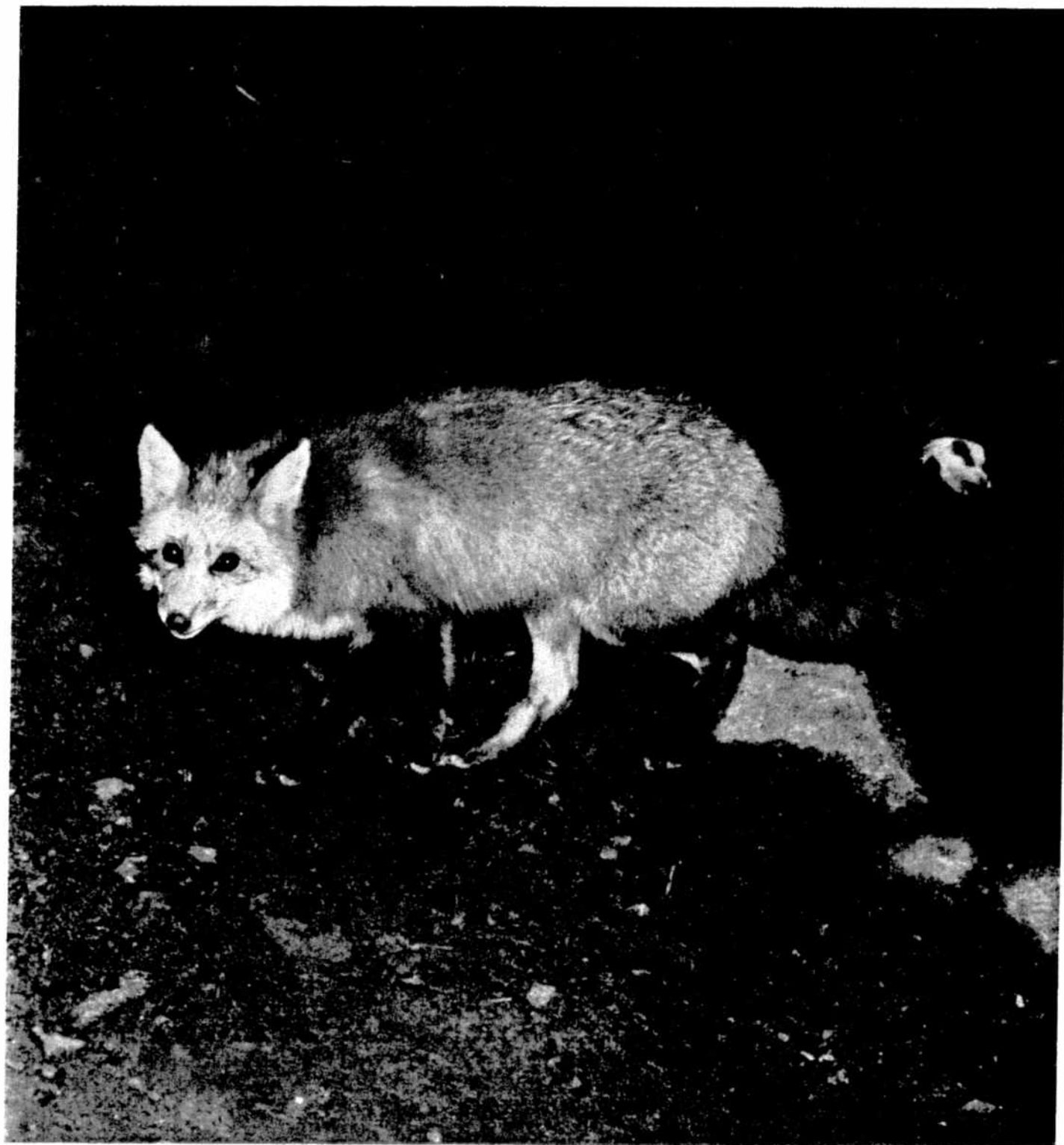




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COPPER CLIFF, ONTARIO, DECEMBER, 1950

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MEDICALLY SPEAKING

(By the Inco Medical Staff)

At the present writing the incidence of whooping cough, chicken pox and measles and mumps is somewhat higher in the community than average, and probably before long some of these diseases will reach epidemic proportions.

Whooping cough is the only one that is likely to cause serious trouble, although the older the patient the less likely it is that trouble will ensue. In infants under one year of age it can certainly be a nasty disease. In such infants it is a protracted illness necessitating meticulous nursing care. Recent new drugs such as aureomycin and chloromycetin have proved beneficial and even life-saving. However, they are still quite expensive and often their effects are not dramatic.

Most cases of whooping cough can be prevented by proper vaccination. In the rare case in which the vaccine fails to prevent the development of the disease it is quite mild and free of complications.

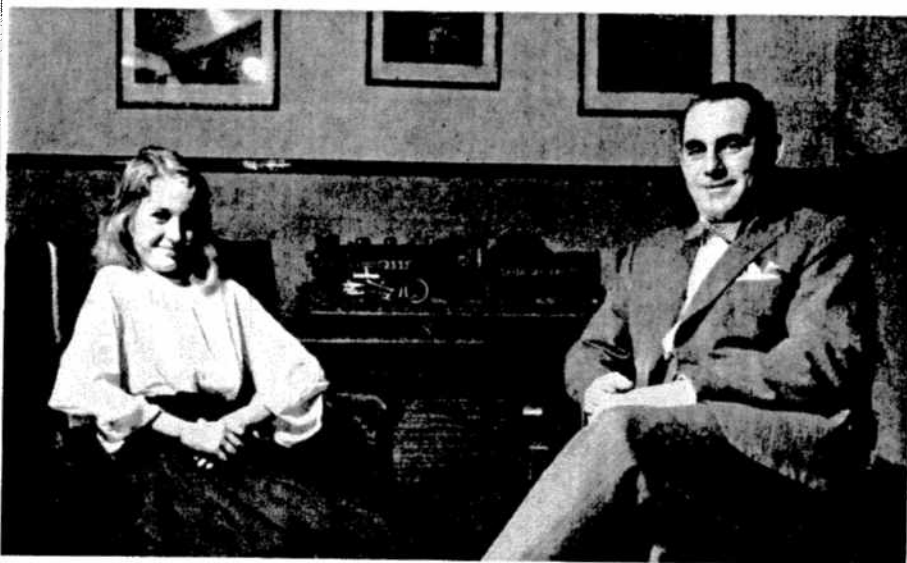
Adequate vaccination does not mean merely one or two injections given at irregular intervals or during the threat of an epidemic. The child should be inoculated early, usually at the end of the third month receiving three consecutive injections one month apart. It will also require a further injection or booster dose at one year of age and on commencing primary school. Unless such a program is carried out your child will not be protected against whooping cough. Further booster doses may be necessary if a child has been intimately exposed to a case.

It is useless and may be dangerous to have your child inoculated if you suspect that he has already contracted whooping cough. The development of immunity takes at least two months following vaccination and is just like locking the stable after the horse has been stolen. Despite a widespread belief, vaccination is definitely for prevention and not for cure.

Chicken pox and mumps are usually very mild diseases and in children are free of complications. All that is necessary is bed-rest during the febrile stage of the illness and elementary nursing procedures that every mother knows.

Simple measles can be quite uncomfortable and its complications, namely ear disease and pneumonia, require medical attention. Measles can be prevented or made quite mild by the injection of immune globulin, a product derived from whole blood. It must be given shortly after exposure and before symptoms develop. It is useful prevention for very young infants or for children who are already suffering from other serious disease. The injection is expensive and can produce a liver disease which is much more serious than measles. Therefore it is not recommended except for special cases. Most children take measles in their stride, suffering no after-effects.

Novel Gift Expresses Gratitude



Jack Weber, despatcher with the Transportation Dept. at Copper Cliff, has presented Sudbury Rotary Club with a perfect scale model of the locomotive and tender which he operated when he was an engineer on the C.P.R. before joining Inco. It took him about eight months to build the model, working the odd spare hour. He made the gift to the Rotary Club to express his appreciation of its help when his daughter Shirley, 10, was stricken with polio in July of last year. The model will be displayed throughout the district and will be raffled to raise money for Rotary's crippled children's fund. Attractive young Shirley and her dad are shown in the above photograph with the cleverly fashioned model locomotive, which is made entirely of wood.

Fire Hazards of Christmas Season

The Christmas season introduces special fire hazards which in some cases are enough to turn a period of rejoicing into one of sadness, Fire Inspector Bill Humphries reminds Triangle readers. He summarizes them as follows:

In Your Home

Don't let Christmas wrappings accumulate; dispose of them safely as soon as possible.

Your Christmas tree can dry out until it is ready to make a really fine blaze. If you can't keep the base immersed in water, then use a fresh tree and get rid of it soon after Christmas. If you can give the tree the water treatment it will stay green and remain slow burning indefinitely. To do this cut off the base of the tree at an angle at least one inch above the original cut and rest it in a can or tub full of water. Keep the water in the can above the base of the tree at all times.

Christmas Lighting

Electric lights are a lot safer than candles. Check lighting sets each year before using for frayed wires, loose connections and broken sockets. Be sure your circuits are not overloaded, for fires may start in walls. If any extensive holiday wiring is indicated, call a competent electrician — don't try to do it yourself. If you have an off-and-on flash system be sure it isn't causing radio interference — sometimes your neighbors like to listen to the radio.

Christmas Decorations

If paper decorations are desired then flameproofed paper can be obtained and is much safer. It is standard for all assembly halls owned by the Company.

Christmas Toys

Toys requiring alcohol, kerosene or gasoline to generate power are especially dangerous. They may upset and set fire to

children's clothing or to the house itself. No electrical toy should be purchased unless it bears the Underwriters' Laboratories label or the Canadian Standards Association label.

In Public Places

Flammable decorations should not be used. As mentioned above, flameproofed paper can be obtained. Wax candles should not be used at church candlelight services — electric candles are just as effective and a lot safer.

Willisville Held Masquerade Ball

A Hallowe'en costume ball staged Nov. 3 by Lawson Quarry Recreation Club at Willisville School brought out a great variety of costumes ranging from the sublime to the ridiculous. Almost the whole population of the Willisville-Whitefish area attended, plus many from Little Current and Espanola, and three famous hunters from Frood-Stobie Open Pit, Wally McIntosh, Lloyd Morden, and Johnny Juryczak. Music was furnished by an orchestra from Little Current and Johnny was coaxed into joining them for a couple of numbers; he was much more successful with the trumpet than he had been during the day with his gun.

Costume prizes were awarded to Kay and Nolan Gagon, recent newlyweds, for best couple, as Scottish lassie and lad, Joan Dow for best lady as a Spanish senorita, and Lloyd Gravelle for best gent as a devil.

With prizes for spot and elimination dances, tasty refreshments, and the school-house bulging at the sides, a gala time was had by all.

Whenever nature leaves a hole in a person's mind, she generally plasters it over with a thick coat of self-conceit.—Longfellow

What a lot of folks need is not so much a new position as a new disposition.

INCO FAMILY ALBUM

A certain kindly old gent with a twinkle in his eye and a big white beard is a very lively topic of conversation these days among such people as: (1) Mr. and Mrs. John Stacey (Coniston), Anne, 8, and John Jr., 7. (2) Mr. and Mrs. Eddie Godin (Open Pit) and Keith, 10. (3) Mr. and Mrs. Milt Jowsey (Creighton), Christine, 2, Peter, 3, and Carol, 4. (4) Mr. and Mrs. Pete McDonald (Copper Refinery), June, 8, Heather, 2½, and Fergus, 9. (6) Mr. and Mrs. Russ Witty (Lawson Quarry), Linda Lou, 10, Donna, 11, and Reva, 16, absent is Madeline, 20. (5) Mr. and Mrs. Jack Shaubel (Port Colborne), Kenny, 11, and Larry, 8. (7) Mr. and Mrs. Vic Hillen (Copper Cliff), Arthur, 9, Stephen, 3½, Mary Lou, 13, and Gayle, 11.





THEY KEEP THE WORK SCORE AT COPPER CLIFF



. AND THIS IS THE STAFF AT CREIGHTON MINE

More Pictures of Timekeepers

Copper Cliff and Creighton time office staffs are featured this month in Triangle's series of salutes to the men whose job it is to see that every Inco worker gets full credit for his work, whatever his job or his rate of pay.

In the top picture on this page is the large Copper Cliff staff, which has offices in the three changehouses and several representatives in the plant as well as in each of the shops: back row, W. R. Morden, chief timekeeper, "Jeff" Jeffrey (converters), Bob Kennedy (machine shop), Russ McKesock (sinter plant), Oscar Mei (miscellaneous maintenance mechanics), Wm. Gray (No. 1 time office), Johnny Svec (blacksmiths), Sam Barry, asst. chief timekeeper, Harvey Nadeau (locomotive shop). Centre row, Mac Blomdi (electric furnaces), Wally Johnston (carpen-

ter shop), Ernie Saunders (No. 3 time office), Al Stoddart (No. 1 time office), Fred Wisson (No. 2 time office). Front row, Don Mulligan (No. 1 time office), Pat Grassi (plate shop), George Sylvestri (masons), Hank Harrison (No. 1 time office).

In the photo on the left is the Creighton time office staff: front row, Harold Diebel, Don Dixon (Crean Hill), T. J. Mulligan, chief timekeeper, Bert Behenna; back row, Bernie MacDonald, John Hope (relieving), Walter Chornensky, Percy Kierle, and Don Crouse.

New Member of Scalehouse Staff Popular with Boys

There's a new member on the staff of the West scalehouse and his name is Red. He's in charge of scrap removal, works steady nights, and is very popular with the rest of the boys.

Red, the young fox whose photo appears on our front cover this month, has been making his nocturnal visits to the scalehouse for several weeks to pick up scraps of food tossed out for him by the staff. Sometimes as many as four or five times during a night, when there are no trains around, he emerges from the darkness to snatch up a morsel and then disappear. Lately he has shown some inclination to linger for a minute, and the boys are hoping he'll become tame enough to be a mascot.

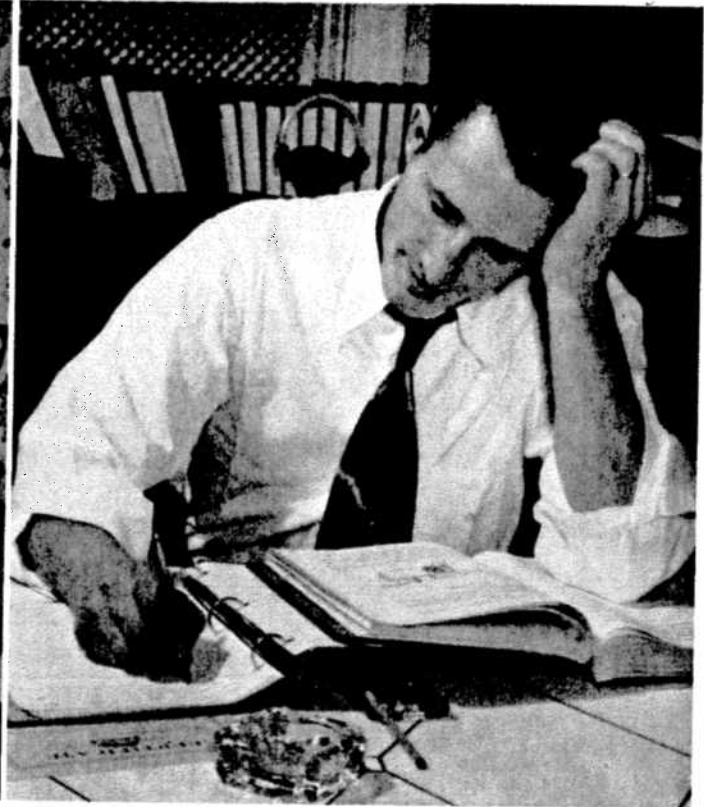
Two other foxes, one red with a black tip on his brush and the other distinguished by what appeared to be porcupine quills in his nose and in one paw, have also been spotted by the scalehouse staff. Where they den up, on the bleak bare rocks surrounding the scalehouse, is a question nobody can answer yet.

A bigamist is a lad who likes to keep two himself.

Gerald Tremblay of Sinter Plant Collects \$1,000



Mr. and Mrs. Gerald Tremblay exchange happy smiles over their \$1,000 Suggestion Plan windfall but son Gilles, born Sept. 8, takes the family's success calmly.



The money will enable Gerald to complete a correspondence course in Diesel and Automotive Engineering. He has been studying at home for 18 months, finishes at Toronto.

\$41,000 Paid to Incoites by the Suggestion Plan

A young 2nd class miscellaneous mechanic in the sinter plant at Copper Cliff, Gerald Tremblay, realized a long-cherished dream last month when he clicked for a \$1,000 Suggestion Plan award.

His was the second \$1,000 award paid under the plan within a couple of weeks. Euclid Dupuis and Winston Gillen, both smelter employees, shared one early in November.

An improvement to the oiling system of the primary crushing rolls in the sinter plant was the suggestion which brought down the big jackpot for Gerald Tremblay. His idea was given a thorough trial and proved to be a major winner.

"It couldn't have come at a better time," Gerald told the Triangle. "Now I can finish my engineering course." For the past 18 months he has been working evenings at home on a correspondence course in Diesel and Automotive Engineering. He has passed the theory examinations and is ready to go to Toronto for training and tests in the practical part of the course. Part of that cool thousand simoleons he collected for a little extra thinking on the job will be used to cover the expense of qualifying for his engineering diploma and the rest, Gerald says, goes into the bank for emergencies.

Gerald was born at Franklin Centre, P.Q. He was discharged from the Royal Canadian

Navy in 1946 after six years' service, and started with Inco in 1947 at Frood Mine, later transferring to the smelter mechanical dept. at Copper Cliff. He was married in 1947 to Yolande Quenneville of St. Agnes de Dundee, P.Q., whom he met during his naval training. Their son Gilles was born on Sept. 8 of this year. They live at 51 Demorest Ave., Gatchell.

2,479 Accepted to Oct. 30

A total of \$41,449.50 has been paid to Inco employees for bright ideas resulting in operational savings and efficiency since the Suggestion Plan was inaugurated in the spring of 1943. There have been 13,658 suggestions submitted, and awards have been paid on 2,479. Some 200 are still under consideration.

Employees of the reduction and power plants have turned in 6,139 ideas, of which 1,096 have been accepted for total awards of \$20,502. Mines employees have sent in 5,471 suggestions, of which 728 have been accepted for total awards of \$11,642. At the Copper Refinery the total number of suggestions to date is 1,353, of which 509 have clicked for a total of \$4,809.50. At Port Colborne Refinery there have been 795 suggestions of which 146 have been successful to reap a total of \$4,496.

STRICTLY HIS OWN AFFAIR

Opening his lunch box and unwrapping a sandwich, Joe snorted in disgust. "Peanut butter!" he grumbled, and he threw the sandwich on the floor. He opened another sandwich, growled "Peanut butter!" and threw it on the floor.

Finally, one of his lunch mates got a trifle curious and asked: "Hey, Joe, if you don't like peanut butter sandwiches, why don't you tell your wife not to make them any more?"

"You leave my wife out of this," Joe snarled, "I pack my own lunch."

First Babe Born In New Hospital



First baby born in the beautiful new Sudbury General Hospital of the Immaculate Heart of Mary was Susan Mary, daughter of Inco Dr. and Mrs. A. R. Foerster, who made her debut on Nov. 15. She tipped the scales at six lbs. and 12 ounces, almost nine ounces better than did her brother Lawrence when he was born in March, 1949. So she has one strike on him already. Mrs. Foerster was formerly Patricia Phillips of Oakville, Ont.

Do the best you can. The forest would be very quiet if all the birds were silent except the best singers.—K V P Philosopher



"We Will Not Break Faith..."

"The Legion of the Living salutes the Legion of the Dead," said President Nick Kyrzakos.

Three hundred members of the Canadian Legion, massed around the cenotaph, said in unison,

"We will not break faith with ye."

With this pledge of remembrance the men who came back saluted the men who gave their lives for freedom in two world wars, at Sudbury's observance of the 32nd anniversary of the Armistice on the morning of November 11.

A large congregation of citizens took part in the services. The scene at the cenotaph is shown in the first of the accompanying pictures. On the left is the 58th Sudbury L.A.A. Regt. Band, which played for the ceremony.

Cadets of the army, navy, and air force, and representatives of many Sudbury service organizations and societies, marched in the impressive parade to the cenotaph, along with 70 First World War veterans, 50 veterans of the Polish army, and almost 200 Second World War veterans.

Rev. J. A. O. McKennitt, chaplain of Sudbury Branch of the Canadian Legion, read the invocation:

"Almighty and Most Gracious Father, visit us, we beseech Thee, in this place of sacred memories, that, cleansed and illumined, we may know that love in which all human griefs are transfigured and common things become divine. Send us help from above. Make this day of memory a day of peace through our faith that those who gave their lives live with us in Thy love. Grant that though dead they may speak to us, bidding us further every cause of righteousness and truth which they have served. Let not forgetfulness or dullness of conscience rob us of the meaning of those fearful war years. Strengthen every force in our hearts that would make their repetition forever impossible. In a world of bewildering confusion give us grace to become more completely surrendered in our devotion, to the end that Thy Kingdom may come and Thy will be done on earth. Through Jesus Christ our Lord. Amen."

Comrade Evans Was Speaker

"The record of the Canadian Legion will be written in the blood-red letters of Serv-



33 Teams in Frood-Stobie Bowling League



Biggest entry in its history is the proud boast of Frood-Stobie bowling league, once again in full swing at the Inco Club alleys in Sudbury. The loop has 33 teams, 15 in the A section and 18 in the B, with a total of 210 players. In action when the photo was taken were the Dennis and Dubriel teams on the first two alleys, Stone and Teahen on the next two, and Branning and Romanow on the third pair. That's Albert Stone, league secretary, keeping score in the centre of the picture; his lineup is leading A section, one point ahead of LePage. Eldred Dickie is the league chairman.

ice," said Comrade Ted Evans of Toronto, immediate past-president of the provincial command, in his address to Copper Cliff branch at their annual remembrance Day banquet, held in the Italian Hall. He briefly reviewed the splendid program of welfare and service in which the Legion is engaged, and called for the full support of every member. In a stirring message on citizenship he struck at those people living in Canada and enjoying the freedom and benefits of the Canadian way of life who nevertheless work subversively to undermine democracy. "Let them love the land they live in or live in the land they love," he declared, drawing heavy applause.

Second of the accompanying pictures shows Comrade Evans addressing the Cliff Legionnaires; on his right is "Red" Pianosi, who introduced him, and on his left Mac Forsythe, president of the branch, Vice-President R. L. Beattie of Inco, D. Finlayson, past-president of the branch, and E. A. Collins, honorary president, who moved the vote of thanks to the speaker.

The bonds which unite Legionnaires are unique among organizations, R. L. Beattie said in his brief remarks. "You can't match the comradeship of ex-servicemen," he said. He congratulated Copper Cliff branch on its special projects, notably its promotion of boys' baseball and its curling bonspiel, and urged the members to take full advantage of the Legion's opportunities for service, which he thought would probably tend to increase rather than decrease.

In the third picture are five veterans of the First Great War and faithful Cliff Legionnaires: Fred Heale, Tom Smith, Harry Hart, Tony Murphy, and Harry Cobbold.

Committee in charge of arrangements for the much enjoyed banquet and entertainment appears in the fourth photo: front row, Len Turner, Harold Diebel, Mac Forsythe, Waverly Tyers; back row, Walter Van Exan, Duncan Finlayson, "Specs" Telford, John Robertson, "Red" Pianosi. Absent, Wes McNeice.

Shot Fine Buck at Crooked Lake



Frank Buillon (left) of the Transportation Dept. at Copper Cliff shot this fine 280-lb. buck while hunting near Crooked Lake, north of Blind River. Chris Lemieux (right) of the Silver Building at the Copper Refinery, and Smokey Laderoute, formerly of Copper Cliff Crushing Plant and now of Blind River, were other members of the week-end party and each got his deer.

ONE MOTHER TO ANOTHER

While a young mother was bathing her baby a neighbor's little girl came in and watched the process. The child was holding a doll minus an arm and leg, and much knocked-about generally.

"How long have you had your baby?" she asked the mother.

"Three months."

"My, but you've kept her nice!" exclaimed the little girl.

DON'T MIND ME!

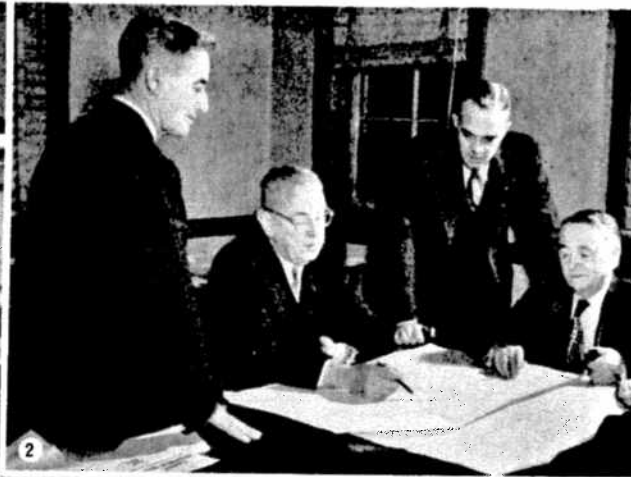
A young girl got a job running an elevator. The first morning she ran it, she went up all right, but when she came down she stopped very suddenly.

"Oh, my," she exclaimed, turning around to the passengers, "did I stop too quickly?"

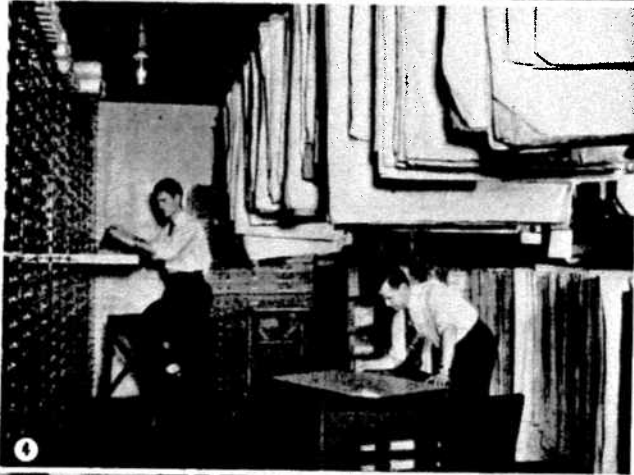
"Oh, no," said a sarcastic woman, "you didn't stop too quickly. I always wear my girdle around my ankles."



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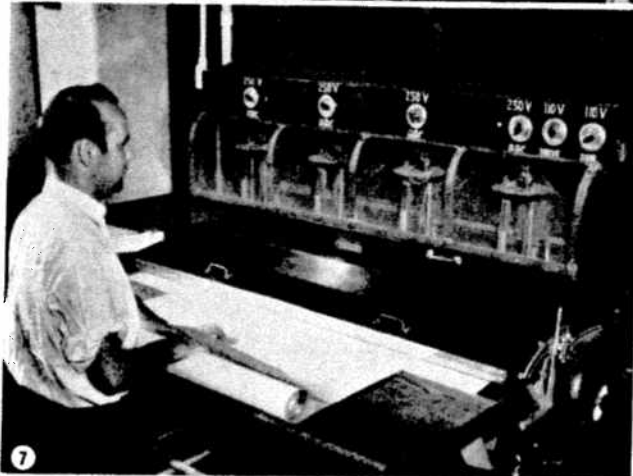
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General Engineering Dept. Handles a Large Assignment

Since 1928, when rebuilding of the smelter at Copper Cliff was undertaken and Frood Mine was opened up, many millions of dollars have been spent on construction in Inco's Mining and Smelting Divisions.

Much of the responsibility for getting value for this rather important chunk of dough has rested on the shoulders of the General Engineering Dept. at Copper Cliff, which takes care of engineering problems arising at all plants in the district and is proud of its job.

It handles the designing of new buildings and equipment for mines, smelters, refineries, hydro-electric plants, villages, water-supply systems, etc., and assists in the selection of new machinery where engineering services are required.

Requisitions and specifications for the purchase of equipment and materials used in construction, as well as plant replacements, are prepared by this department along with specifications and contracts for work performed by outside contractors.

Consultation on special designs for the maintenance and improvement of operating equipment, estimates of cost on proposed construction and alterations, and estimates of work performed for calculating payments to contractors, are also included in the broad duties of the General Engineering Dept.

Work of the Field Force

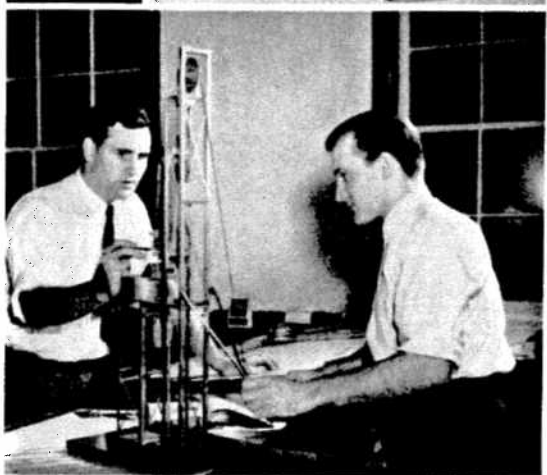
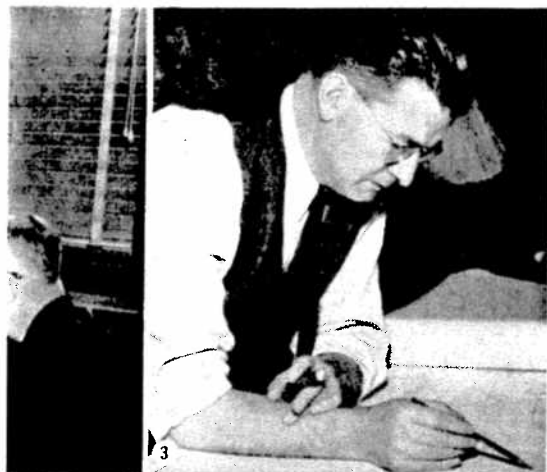
The department's field engineering force makes field surveys and maps of towns, villages, sewer and water supplies, railway trackage and highways. It does the field

engineering work in connection with the erection of buildings, pipe lines, dams, and other construction work, and determines the quantities of earth, rock, and other bulk materials on which payments are made. It also measures, for weekly, monthly, and yearly inventories, the quantities of coal and other materials in stock piles.

New construction work is supervised in the field by the General Engineering Dept., which makes tests on materials entering into the work and checks delivered equipment and materials against the specifications, examining for flaws and defects. Before payments are made on materials, equipment and construction, they receive the approval of the chief engineer or his assistant.

It may seem a bit like carrying coals to Newcastle, but nickel has been specified by the department to exert its well-known influence in both the highest and the lowest points of the overall Inco operation. Underground, the matrix of diamond drill bits contains a high percentage of nickel, the rock drills have highly stressed parts of nickel alloy steels, lightweight skips of nickel steel are used for hoisting ore. On the other extreme, the three big stacks are banded and capped with stainless steel. In hundreds of applications in between, nickel alloys have been picked for exacting tasks in the production of nickel and its companion metals.

Heart of the General Engineering
(Continued on Page 11)



Silverson, Williams Startling as Models



Hilarious entertainment was provided at the closing night party at Sudbury Golf Club by a fashion show in which the men acted as models. Two of the charmers are seen above: Norm Silverson of Creighton in a revealing evening creation by Henri of Hammer and Dick Williams of Frood-Stobie in a cute little sports number designed for the girl who wants to be more out than in.

On Coniston Force Over 28 Years

Bill Evershed of Coniston, who retires on pension this month, first worked for the Company away back in 1911, the year he came to Canada from England. He was employed by Canadian Copper Co. at Copper Cliff for three years before quitting to join Mond at Coniston. He switched companies once again before finally settling at Coniston in 1921 in the Electrical Dept. His credited service is 28 years and one month.

Bill came to the Cliff originally because his brother George and his sister, Mrs. Albert Robinson, both lived there. The former now resides at Oakville and the latter on a farm in Alberta.

Christmas Day is a double celebration for

stay in the sanatorium at Gravenhurst, where he became a patient when the Inco X-Ray survey caught a shadow of tuberculosis early enough for a quick cure.

Popular with all at the plant in Coniston, Bill takes a heap of good wishes with him as he enters retirement.

GOING TOO FAR

Sandy, the Scotchman, boarded the train without purchasing a ticket, because someone had told him tickets were cheaper if bought on the train. He argued so persistently that the conductor finally said: "All right, if you won't pay the stated fare, off you go, and your baggage, too." With that, the conductor picked up Sandy's oversize suitcase and heaved it through the window, smack into a river over which the train was passing.

"Mon, what a villain you are!" ejaculated Sandy. "You're not satisfied to rob me. You have to go and drown my little boy in the river."

Happy Copper Refinery Party



There's always a good party when the Copper Refinery people get together. This picture was taken at the annual dance at Inco Employees' Club staged for the members of the Copper Refinery Athletic Association and their ladies. More than 400 attended.

Bill because it's also his wedding anniversary; he was married in London in 1909 to Alice Maud Vinney. Of their family of four, Alice is with the Income Tax Dept. at Toronto, Doris is a teacher at Kenora, Bill Jr. is employed in the lab. at Copper Cliff, and George is soon to return from a brief

The Garden of Life

("Whatsoever man soweth that shall he also reap."—Galatians 6:7)

Do you know that each life is a garden,
And we sow as the days go by
Seeds, for a future harvest
To be gathered with smiles, or a sigh?

Then what of the soil of our garden,
Is it fertile, or stoney and old?
Will it bring forth the thorn and the thistle,
"Or the grain of a thousand fold"?

Have we planted the rose of "forgiveness,"
And the lily of purest white,
That sends forth its sweetest fragrance
Through the long, dark hours of the night?

Is the pansy there with its "pleasant thoughts"
And the violet, modest and true;
And sunflower bright, with its face toward God,
A lesson for me, and you?

Have we planted that rare little blossom
That blooms when the days are hot;
Ever echoing the voice of its Master,
"Dear friends, forget me not?"

Have we planted much in our gardens
From His wonderful Book of Life?
Have we sown the seeds of "obedience,"
His assurance of help through the strife?

Have we also sown of the seeds of "truth"?
Have we done the best that we can,
To'ard sowing that marvelous seed of "love",
Love for both God and Man?

You know that in this world's sowing
'Tis true, and will ever be,
There will come into every garden
Some grief . . . from Gethsemane.

But after the grief in the garden
The harvest we'd hoped to see
Will blossom in all its beauty,
Through the glory of Calvary.

Then know that your life is a garden,
And you sow as the days go by
Seeds . . . for a future harvest,
To be gathered with smiles, or a sigh.

—Harriette Gray.

Mechanical Engineering

(Continued from Page 9)

Dept.'s operations is the spacious, well-lighted drafting room on the second floor of the general offices at Copper Cliff, seen in No. 1 of the accompanying layout, where the pattern and design of the ever-changing, ever-expanding Inco scene take shape.

Some of the people who mould the physical contours of the great nickel industry are seen in the other photographs:

Study Creighton Townsite Plans

2. Here's a glimpse into the office of the chief engineer, S. A. Crandall, during a huddle over the plans for the new Inco townsite between Copper Cliff and Creighton: from the left, T. D. Price, field engineer; S. A. Crandall; C. O. Maddock, construction engineer; C. H. Buck, chief draftsman; N. H. Kearns, asst. chief engineer.

3. Field inspection of all plant construction, a mighty large order, is the work of Ben Nelson, seen here checking the location of a new piece of equipment being installed in the smelter before he goes out to make sure it's what the order called for.

4. In the General Engineering Dept.'s vault more than 25,000 sketches and 45,000 standard tracings are stored in cabinets. They tell the story of Inco plant expansion from as far back as 1903, when the present ore bins were built at the smelter. Also hung in the vault are thousands of prints prepared by manufacturers of equipment installed in Inco plants. Picture shows Louis Core (left) filing tracings and Wilmer Hughes doing some reference work.

5. Here's a field party about to take off on the day's assignment. From left to right are Geoff Castleden, inspector of housing construction; Myras Puzlak, Ben Falcioni, Bud Buchanan, Leo Affi, Taisto Mylennen, George Celmins, and Tom Hawkins.

6. The department is constantly studying new ideas in equipment. Here Dave Duncan and John Durjanek watch the operation of a model of a bottom-dump skip, which its inventor claims would speed up the hoisting cycle at the mines. A full-scale skip built to this pattern will be given a tryout at Murray Mine.

Made 52,000 Prints in 1949

7. For the service of all departments at Copper Cliff the General Engineering Dept. has a printing room equipped with a 56-inch Paragon continuous printing machine, an electric dryer, a hand-developing machine for white prints, and wash trays for blueprinting. In 1949 this section turned out more than 52,000 prints. Jack Anderson is shown operating the printing machine.

8. Here's another group of the field engineering force, listening intently while the asst. field engineer, Grant Benjafield (centre) outlines a day's activities. On his right are "Beech" Travaglini, Harry Wowk, and Alec Ranger; on his left, Cam Scott, Dennis McKinty, and Al Leclair.

9. Materials and plans for the houses, stores and apartments, and 7-room school of the new Creighton townsite are being discussed in this picture by Walter Paul, Carwin Cullis, C. H. Buck, and Malcolm Ross.

10. This good-looking young lady is Hilda Leigh, the department's secretary. They tell us her beauty is only exceeded by her efficiency, which is a slick way of saying she's tops at her busy and exacting job.

11. Formerly permanent linen tracings were produced from engineering drawings by the laborious method of tracing with India ink, but in recent years the department has had the benefit of a 30 x 40-inch Photostat contact printer. Another modern piece of equipment is the Eastman photostat machine, capable

Two Plays by Levack Students



The spacious new auditorium at Levack School was well-filled with relatives and friends of Grades IX and X on Nov. 10 for the presentation of two one-act plays skilfully directed by Mrs. Ralph Gomoll. After practising one school period a day for four weeks the young amateurs acted their parts with a clarity and precision most pleasing to the audience. Both plays were comedies of modern family life and developed some highly amusing situations.

The cast of "Elmer and the Lovebug" is seen in the top picture: front row, Clyde Weslake as Cecil, Shirley Matson as Susan, Lorna Weslake as Millicent, Pansy, the family pet, Edwin Riutta as Elmer, Glenna Moir as Fannie Belle; back row, Michael Delorme as Hubert, Noella Lafleur as Janie, Lillian Pilon as Winnie, Arlene Asummaa as Faye, Beverley Armstrong as Jeanie, Terry Armstrong as Luke, the swimming coach.

Another clever group of budding thespians presented "Be Home by Midnight"; they're seen in the second photograph: front, David Karchie as Junior; second row, Sherrill MacGowan as Mary, Dawn MacCoy as Mr. Jones; back row, Mrs. R. Gomoll, who directed both plays; Janice Stephenson as Mrs. Jones, Michael Delorme as Paul.

Proceeds of a silver collection will be used for cultural activities of the class.

He that thinks he can afford to be negligent, is not far from being poor.



of making prints 14 x 18 inches, which Gordon Harry is seen operating here. Last year this section produced 6,000 Photostat prints and 50,000 photostats.

Frood-Stobie No. 8 Is Planned

12. Surface plant for the new Frood-Stobie No. 8 shaft, construction of which will get underway about May of next year, is being designed here by N. H. Kearns, Gene Hall, Hjalmar Stavang and John Dryburgh.

13. Another important mine construction project is alterations which are to be made to the rockhouse at Frood-Stobie No. 3 Shaft. Studying them are John Ward, Doug Thom,

and Stan Brown.

14. The copper flash smelting plant which will be installed in Copper Cliff smelter next year is here occupying the attention of John Dutz, John Quance, Alex Smith and Ed. Hawkey.

15. The new 8,000-ton concentrator and surface plant at Creighton No. 7 Shaft is another of the major assignments handed to the General Engineering Dept. within the past couple of years. More than 500 drawings have been prepared by Inco engineers for this project, working on which are seen Aurel St. Laurent, Leo Poirier, Frank Orange, and Eddie Owens.



Steady Progress at Townsite

from Creighton. Ten different architectural styles are being used to give a pleasing variety. The dwellings will be of from four to six rooms and will have hot air furnaces, hardwood floors, insulated walls and ceilings, and full concrete basements. A seven-room school will be built in the central part of the town as well as some stores and offices. Adjoining ground has been allotted for churches and such other community services as may be developed. Announcement of the name of the new townsite is expected to be made soon.

Despite considerable difficulty in obtaining delivery of materials, construction proceeds steadily on 125 houses in the new townsite two miles

Valentino Toniolo Retires at Coniston



Valentino Toniolo was busy with chores about the house when the Triangle called to see how he's taking to the gentleman-of-leisure business since his retirement on Company pension from the Coniston plant after 30 years and three months of credited service. His friends can rest assured that he's enjoying himself.

Born in Italy in 1885, Valentino came to Canada in 1907 and worked for several years for the C.P.R., starting on the section at Fort William. He joined the Mond force at Coniston in 1919 and held a variety of jobs before transferring to the charge floor, where he was working at the time of his retirement. A steady and cheerful worker, he will be missed by the boys in the plant.

He was married at Coniston in 1920 to Amelia Garantola and they have two sons, Ontario, who operates a store in the smelter town, and Iladio, who works in the plant.

He was presented with an easy chair by fellow employees at a party held jointly for him and John Soroka, another Coniston man who recently joined the Inco pensioner ranks. The presentations were made by Roy Snitch.

Experience gained the hard way brings knowledge that remains with us forever.

ORGANIZE CUBS, BROWNIES

Both Wolf Cubs and Brownies are being organized at Willisville, much to the satisfaction of the younger generation. Group committees have been formed within Lawson Quarry Recreation Club to assist, J. Gregg being chairman for the boys and Mrs. H. Campbell for the girls.

Officers of the Wolf Cub Pack are C. McLean, cubmaster; C. Withers, asst. cubmaster; R. Dow Jr., leader. For the Brownie Pack the leaders are Mrs. L. Burkett, brown owl; Mrs. W. Tilston, asst. brown owl; Joan Dow, packee.

Harbor Island Addition Opened

Representatives of more than 100 industrial companies and government officials attended the formal opening on Nov. 15 and 16 of the new Harbor Island addition to the Kure Beach corrosion testing project near Wilmington, N.C., according to F. L. LaQue, in charge of Inco's corrosion engineering section, under whose direction the project is operated.

With the new laboratory and marine exposure racks which have been added at Harbor Island, the Kure Beach project now has increased facilities for the study of over 20,000 specimens of all types of materials in sea water and sea air. It is believed to be one of the largest projects of its type in the world.

The sea water tests were originally located at Kure Beach, where they were first established in 1935. They were moved this year to the new station at Harbor Island, about 20 miles north. The atmospheric testing lot, covering over an acre of ground, is still located at Kure Beach, as is a station about 80 feet from the shoreline for testing the effects of sea water spray.

Among the more than 20,000 specimens under test are specimens of metals, alloys, non-metallic materials and protective coatings—including paint—and even rope.

A distinguishing feature of the entire project is the manner in which manufacturers of sometimes competitive products have united on their common enemy—corrosion. Information and data on means of fighting this enemy, which annually exacts a toll of hundreds of millions of dollars from industry, are freely exchanged.

Much of the research at the new station—

as was the case with the old—is directed toward the solution of corrosion problems for U.S. Government service.

Had Fine Record Of Garson Service

Ill health has forced the retirement on disability pension of Nestor Matson, who held the longest credited service record of hourly rate employees at Garson Mine, 33 years and 10 months. All his workmates at Garson will hope that rest will result in an early return of good health to this popular Incoite.

Born in Finland on Jan. 10, 1888, Nestor Matson came to Canada in 1907, the journey taking just two days short of a month. He went to Port Arthur and worked in a brickyard there for eight years before coming to Sudbury to sign on with Mond at Garson. He started in as a mucker and in his time



MR. AND MRS. NESTOR MATSON

handled all the various underground jobs, winding up as shaft inspector. He won high respect for his steadiness and efficiency.

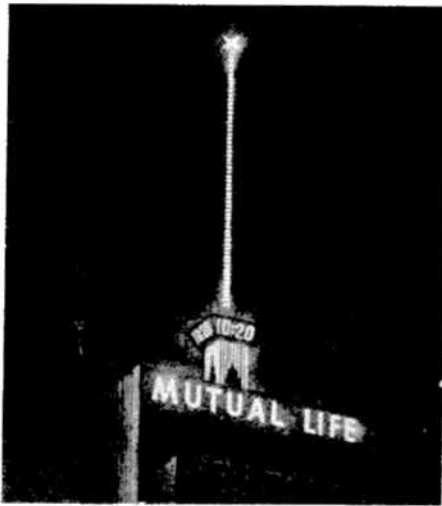
In 1916 at Sudbury he was married to Amelia Maenpaa, who had four children by a previous marriage. Members of their family are Ollie, well-known star of Garson Gunners football team and a first aid man at the mine; Bill, of Falconbridge; Oiva, of Levack; Len, of Falconbridge; Amy (Mrs. Matti Hankaa of Garson).

High School Players Gave Distinguished Performance



Jane Austen's "Emma", a full-scale production test for a mature and experienced dramatic group, was the ambitious selection of Copper Cliff High School's young actors and actresses for their annual Commencement play, but under the clever direction of Miss Gertrude Wilson they staged it with splendid effect and were warmly applauded by the capacity audience. Members of the cast are shown above: standing, Kenneth Frost, Jean Anderson, Walter Podedwormy, Dinah Langille, Bill McLay, Rita Morassutti, Kathryn Flynn, and Donald Saville; seated, John Pezzetta, Margaret Lineham, Douglas Prince, Marilyn Beach, Carson Johnston, Jim Smith, and Ann Armstrong.

New Star Above Broadway Signals Weather Changes



A man-made "star" now shines in the sky 526 feet over New York's Great White Way. Erected on a 150-foot mast atop the new 25-storey Mutual Life Insurance Company building at 55th street and Broadway, the novel illuminated sign provides residents and visitors within a five-mile radius with quick visual information about expected weather conditions—also the exact time of day or night.

Based on hourly reports from the U. S. Weather Bureau, the star by changing color will relay forecasts of weather and temperature for the ensuing 12 hours. A steady orange signal predicts clear weather, steady green means cloudy conditions, and green flashing intermittently warns that rain is expected.

The star itself, 10 feet in diameter, is made

of plastic, encased in a frame fabricated from chromium-nickel stainless steel. The same metal is used for 60 bands set 20 inches apart around the mast. Electric bulbs will be housed in these bands which act as a vertical sweep-second hand for the clock. One band will flash on for each second; when 60 seconds have passed, the "sweep" will black out entirely and the clock will show the next succeeding minute of time.

Austenitic stainless steel was chosen for these parts because of its resistance to all forms of atmospheric corrosion. It will retain its original attractive polished appearance indefinitely, as has been demonstrated in numerous examples of outdoor signs and architectural applications.

You don't have to have ulcers to be known as a successful person, but they help.



Burying the Hatchet

At their regular weekly dinner on Nov. 12 at the Ryan Club, members of Sudbury White Eagles Club entertained their championship football team, which won two cup playoffs in Sudbury District soccer this year, and also several players from the Ryan team, which defeated Eagles in a hard-fought game for the third cup. They may be hot rivals on the playing field but good-fellowship reigns any place else, as this picture of some of the boys shows: Jim Wallace (Ryan), Teddy Tadusiak (Eagles), Angus MacDonald (Ryan), Joe Podkulski (Eagles), Danny Parker (Ryan) and Mike Zwirzechowski (Eagles). The president of the White Eagles Club, Ted Lange, was in charge of the very enjoyable evening.



Large Turnout To Club Dinner, Port Colborne

Almost 100 of the 121 members in the Port Colborne branch of the Inco Quarter Century Club attended their annual dinner at Rathfon Inn on Nov. 8.

Eight new members received their membership buttons and a hearty welcome into the club from Vice-President R. L. Beattie; they are seen in the first photograph of the layout on Page 14; front row, E. R. English, G. Ballon, F. Hoyle and W. Burger; back row, T. Slywka, M. Rapaich, J. Ceply, and D. Cowper. Four others who had qualified for membership were unable to attend the meeting: R. Romanovitch, E. Royer, R. Clayton, and R. Childs.

A delicious turkey dinner which did full justice to the enviable reputation of the Rathfon, and a snappy program of entertainment provided by Ray Kneeland of Buffalo, were other features of the keenly enjoyed program.

In No. 2 of the accompanying pictures Ed. English, well-known custodian of the files and master printer, is presented with his button by Vice-President Beattie. In No. 3 Frank Wolfe, who joined the Quarter Century Club at Copper Cliff but is now an Inco pensioner residing in Port Colborne, is seen (centre) thoroughly enjoying the big get-together; on his right is his brother "Manny" of Stores and on his left Harry Schooley, another Company pensioner.

Company Proud of Club

Pride in the service of the Quarter Century Club members was expressed by Mr. Beattie in his remarks. The fine record of the Company could never have been achieved without it, he said, and he wanted every man to know it was appreciated. In closing he urged workers in the Port Colborne plant to take advantage of opportunities presented by the Employees Suggestion Plan, under which cash awards are paid for ideas resulting in operational savings or increased efficiency in the plant. He had noted that comparatively few suggestions had been submitted of late at Port Colborne, and he would be pleased to see more employees "cashing in" on the plan. Picture No. 4 shows Mr. Beattie addressing the meeting. At his right is Supt. R. C. McQuire.

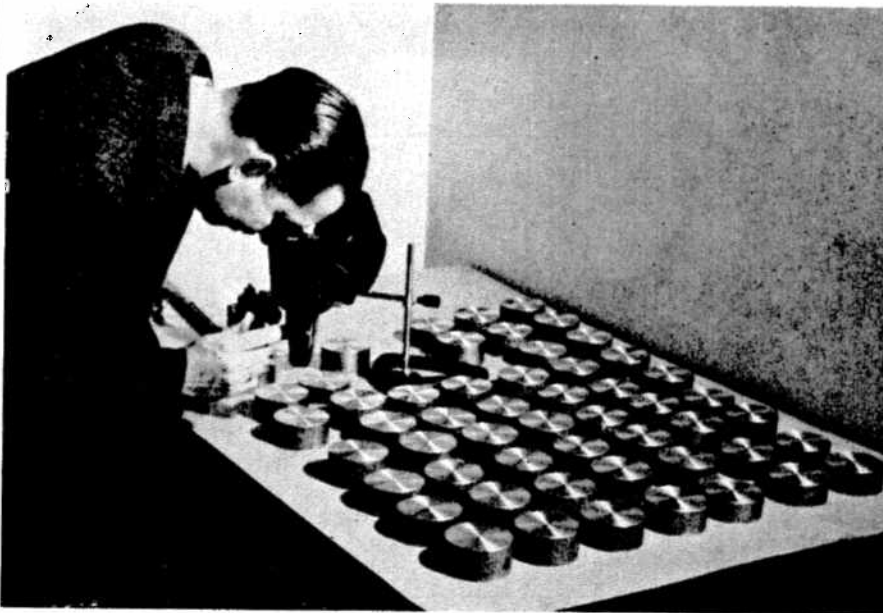
Interesting facts about Quarter Century Club membership were given by Mr. McQuire, who said that the 121 members of the Port Colborne branch, of whom 100 are active and 21 are pensioners, todate have a total of 3,504 years of Inco service, an average of 29 years per man. The 96 members attending the dinner had a total of 2,584 years of service. This was a gratifying reflection on both employee and employer. Other speakers were R. H. Waddington, general supt. of refineries, and W. A. Hicks, G. R. Craig, and G. J. Parker, pensioners.

Oldest Port Colborne pensioners of Inco in point of service are seen in Picture No. 5. On the left is W. A. Hicks, who at the time of his retirement had 45 years and seven months of credited service, and on the right is George R. Craig, who had 47 years and four months. Both in the pink of condition, they were warmly greeted by former fellow-employees.

There Was Nothing In It

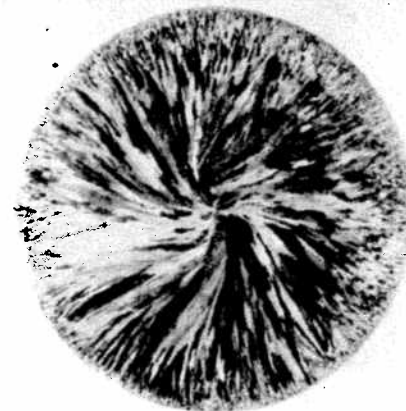
Through a slip-up somewhere along the line, there was no membership button in the box presented to Dave Cowper, an omission which that Scot's broad sense of humour prompted him to protest at once, in accents

Examining Copper Billet Sections



An attractive light pattern is set up by the gleaming, carefully machined surfaces of a group of copper billet sections cut for study of the structure of the castings. This is one of the routine metallurgical controls at the Copper Refinery to safeguard the high quality of the plant's products. J. C. Bischoff, works metallurgist, is examining the sections with a microscope.

In the second picture is a section which has been etched for study of the crystal arrangement. The formation is typical of metal cast in a water-cooled copper mould—the long columnar crystals indicate progressive cooling of the metal from the sidewalls to the centre.



loud and rich. There was a roar of laughter as he returned to the front of the hall to demand his due. The camera clicked to catch Picture No. 6 as Roy Howard, works auditor and secretary of the Quarter Century Club, solemnly examined the box to make sure that Dave wasn't pulling a fast one and trying to get two buttons for the price of one. Another amusing moment of the evening came when observant R. H. Waddington fined W. J. Freeman 50 cents for not wearing his membership button, and made the collection.

Thumb-nail sketches of the new members of the club follow:

J. Ceply: born in Russia May 15, 1894. Naturalized Canadian. Married. Employed May 18, 1923 as a process laborer and is now a calciner helper. Eligible for membership Apr. 4, 1949. Due to illness he was unable to attend the meeting on Nov. 9th, 1949, to receive his button.

J. Romanovitch: born in Poland May 22, 1895. Naturalized Canadian. Married. Employed Apr. 4, 1923 as a process laborer and is now a crusherman in Sinter Dept. Eligible for membership Aug. 31, 1949. Due to illness he was unable to attend the meeting on Nov. 9th, 1949, to receive his button.

E. Royer: born in Canada Dec. 20, 1893. Married. Employed Jan. 19, 1923 as a yard laborer and is now a plant fitter helper. Eligible for membership Oct. 29, 1949.

R. Clayton: born in England Oct. 7, 1899. Married. Employed July 23, 1923 as a process laborer and is now a sampler. Eligible for membership Nov. 8, 1949.

D. Cowper: born in Scotland Apr. 27, 1889. Married. Employed July 11, 1924 as a blacksmith. He was appointed blacksmith

foreman on Aug. 1, 1933. Eligible for membership Nov. 9, 1949.

M. Rapaich: born in Austria Sept. 16, 1894. Married. Employed Jan. 7, 1924 as a yard laborer and is now a machineman in the Calcining Dept. Eligible for membership Nov. 13, 1949.

J. Burger: born in Canada Jan. 18, 1894. Married. Employed Dec. 17, 1923 as a yard laborer and is now a cathode shear operator. Eligible for membership Dec. 18, 1949.

E. English: born in Canada Feb. 27, 1900. Married. Employed Jan. 6, 1925 as a Multi-graph operator. On Jan. 1, 1927 was appointed head file clerk. Eligible for membership Mar. 5, 1950.

T. Slywka: born in Austria Feb. 18, 1900. Married. Employed Apr. 18, 1924 as a process laborer and is now a calciner fireman. Eligible for membership Feb. 19, 1950.

G. Ballon: born in Austria Sept. 24, 1896. Married. Employed Oct. 23, 1923 as a yard laborer and is now a machineman in the Calcining Dept. Eligible for membership July 6, 1950.

R. Childs: born in Canada Aug. 1, 1895. Married. Employed Jan. 7, 1924 as a yard laborer and is now a laboratory janitor. Eligible for membership Sept. 21, 1950.

F. Hoyle: born in England Oct. 4, 1888. Married. Employed Dec. 6, 1924 as asst. power house engineer and is now a labor boss. Eligible for membership Sept. 29, 1950.

This Canada of Ours



Specially significant in 1950, designated as a Holy Year, are the famed shrines situated throughout devout Quebec. The great Oratory of St. Joseph in Montreal is now in its 20th year of construction, and attracts many pilgrims.

QUEBEC



In the ancient fortress city of Quebec these vacationists look down on the mighty St. Lawrence from the drill grounds of the old citadel which two centuries ago bristled with cannon. In the background is the famous Chateau Frontenac.



Quebec version of the old school-house bell is this burnished bell which summons student skiers to classes in the outdoors ski school at Lac Beauport, just outside the capital city of Quebec. The province is renowned for its winter sports.



One of the major tourist attractions of the province is beautiful Montmorency Falls, near Quebec City, rival of Niagara as a mecca for honeymooners. There are many smaller waterfalls of picturesque charm through the lovely Laurentian Mountains.



PERCY LAROCQUE

By PERCY LAROCQUE, Copper Refinery

You know what they say about a dame. Well, the same goes for my native province — there's no place in the world like Quebec.

On the slopes of our pugnosed mountains, luxurious modern resort hotels look down on quaint villages founded by sons of old France and still populated by their descendants. Long, narrow farms fronting on the St. Lawrence remain as relics of the seigniorial system of another age. Quebec City, historic capital of the New World, is no less picturesque than Montcalm knew it. And eastward, along the south bank of the St. Lawrence, you see oxen-drawn ploughs, stone and clay bake ovens in the farmyards, countrywomen working handlooms and spinning wheels. Everywhere you go in the Province of Quebec, yesterday is always beside you.

But Quebec doesn't live in the past; it just cherishes it. On the horizon, its people can see a future every bit as glorious. Canada's metropolis, Montreal, is already the world's second largest French-speaking city. The province boasts the nation's greatest pulp, paper and power resources, three-quarters of Canada's cotton output, and some of the country's finest farm land. Quebec ranks second to Ontario in mineral production with its iron boom just getting started.

The richest iron fields in the world have been discovered on the Labrador border, where stunted trees cling to scanty soil and the wind never stops blowing. Some day, Canada will be able to make all the steel she needs, and new industries will spring up by the hundreds, all because we hit the jackpot in iron in the wilderness which Cartier called "the land God gave to Cain."