

INCO TRIANGLE

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Mother and Child

(Story on Page 16)



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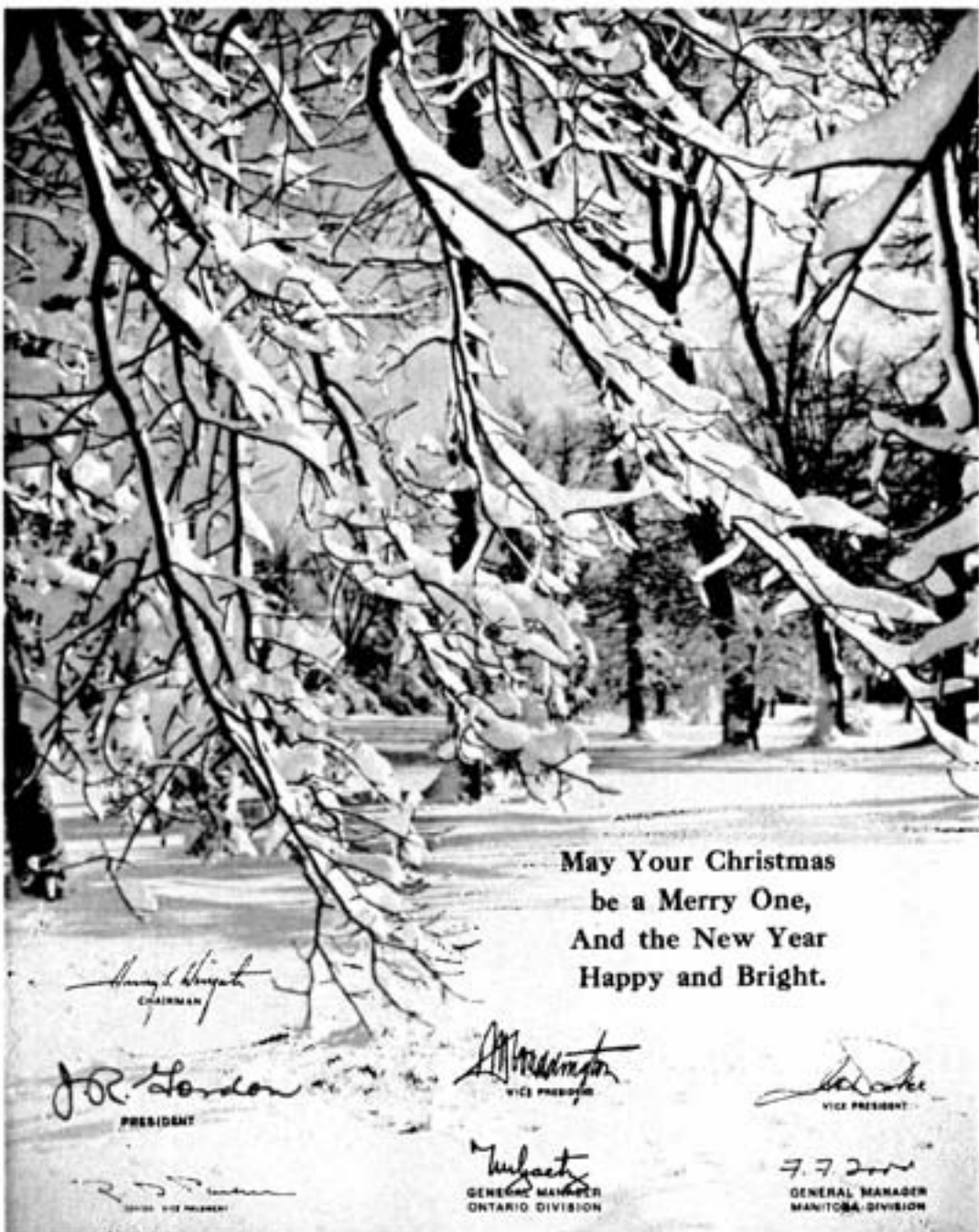
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Bob Cratchit's Christmas Dinner

From "A Christmas Carol"
By Charles Dickens.

Mrs. Cratchit made the gravy (ready beforehand in a little saucepan) hissing hot; Master Peter mashed the potatoes with incredible vigour. Miss Belinda sweetened up the applesauce; Martha dusted the hot plates; Bob took Tiny Tim beside him in a tiny corner at the table; the two young Cratchits set chairs for everybody, not forgetting themselves, and mounting guard upon their posts, crammed spoons into their mouths, lest they should shriek for goose before their turn came to be helped. At last the dishes were set on, and grace said. It was succeeded by a breathless pause, as Mrs. Cratchit, looking slowly all along the carving-knife, prepared to plunge it in the breast; but when she did, and when the long expected gush of stuffing issued forth, one murmur of delight arose all round the board, and even Tiny Tim, excited by the two young Cratchits, beat on the table with the handle of his knife, and feebly cried, Hurrah!

There never was such a goose. Bob said he didn't believe there ever was such a goose cooked. Its tenderness and flavour, size and cheapness, were the themes of universal admiration. Eked out by applesauce and mashed potatoes, it was a sufficient dinner for the whole family; indeed, as Mrs. Cratchit said with great delight



"A Merry Christmas to us all, my dears."

(surveying one small atom of a bone upon the dish, they hadn't ate it all at last! Yet every one had enough, and the youngest Cratchits in particular were steeped in sage and onion to the eye-brows! But now, the plates being changed by Miss Belinda, Mrs. Cratchit left the room alone — too nervous to bear witness — to take the pudding up, and bring it in.

Suppose it should not be done enough! Suppose it should break in turning out! Suppose somebody should have got over the wall of the back yard, and stolen it, while they were merry with the goose — a supposition at which the two young Cratchits became livid! All sorts of horrors were supposed.

Hallo! A great deal of steam! The pudding was out of the copper. A smell like a washing day! That was the cloth. A smell like an eating-house and a pastry-cook's next door to each other, with a

laundress's next door to that! That was the pudding! In half a minute Mrs. Cratchit entered — flushed but smiling proudly — with the pudding, like a speckled cannon-ball, so hard and firm, blazing in half of half a quarter of ignited brandy, and bedight with Christmas holly stuck into the top.

Oh, a wonderful pudding! Bob Cratchit said, and calmly too, that he regarded it as the greatest success achieved by Mrs. Cratchit since their marriage. Mrs. Cratchit said that now the weight was off her mind, she would confess she had had her doubts about the quantity of flour. Everybody had something to say about it, but nobody said or thought it was at all a small pudding for a large family. Any Cratchit would have blushed to hint at such a thing.

At last the dinner was all done, the cloth cleared, the hearth swept, and the fire made up. The com-

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Sudbury Philharmonic Society To Be Heard on Inco Christmas Program



Hour's Broadcast Starts at 1 P.M.

Sudbury's own Philharmonic Society orchestra and choir will be heard in a special one hour program of Christmas music to be broadcast on Christmas Day from radio station CKSO commencing at 1:00 o'clock p.m.

The program will be broadcast with the greetings and good wishes of The International Nickel Company, for whom it was "taped."



during the Philharmonic Society's brilliant concert on December 12.

A feature of particular interest to music-lovers will be the Canadian premiere of Geoffrey Bush's delightful Christmas Cantata, the score of which was presented to the Philharmonic's conductor, Eric Woodward, during a recent trip to Britain. It was written in the summer of 1947 for the Balliol College music society, and was first performed by them at Oxford, England.

Also to be heard on the Inco Christmas broadcast will be traditional carols beautifully sung by the Philharmonic's choir of 65 voices.

Among the guest artists to be heard with the orchestra is Percy Bauman, regarded as Canada's finest oboist. He is a member of the faculty at the Royal Conservatory of Music, Toronto, and of the CBC concert orchestra.

The program will conclude with



Christmas Choir

Shown here is a portion of Thompson's Christmas choir during one of their early November rehearsals with leader Rudy Pauls conducting. Inspired by the local Mennonite Mission this is the second consecutive year a concert of sacred Christmas music will be presented for the enjoyment of the community. This group, which has recently been practising three nights weekly, includes a number of high school teachers, of whom Mr. Pauls is one. Last Easter they presented a cantata which was very well received.



Crazy Hats

A "Crazy Hat" bonspiel was a hilarious success for the curling gals at Levack, who sent themselves into fits with some of the zany headpieces they came up with at their season-opener. Above were some of the 50 creations on display; standing, Bertha Piccolo, Helvi Lampi, Steffie Curry, Marion Robb, and, on the right, rear view, Del Mallette, Mary Kotyk, Fay Corkal, Theresa Keast; kneeling, Joan Rodd, Sheila Cucksey, Camille Shaller, Betty Kauppinen.

a stirring, full-voiced rendition of O Come, All Ye Faithful.

The Philharmonic Society, which

has many Inco employees among its members, is seen in the above picture on stage at the Sudbury

High School auditorium at the commencement of its Christmas concert.

Mike Bello

One of Creighton's many old-timers, Mike Bello, has retired on early service pension after working at that mine since 1926. He first came to the Nickel Belt in 1924, worked at Murray mine until it closed in 1925, spent a year with Bill Somers on the old reverbs at Copper Cliff, then went to Creighton.

A skiptender at no. 7 shaft since muck was first hoisted there some 11 years ago, Mike had previously worked at several jobs at no. 3 shaft, helped sink no. 4 shaft in 1928, and also spent a year in the pillars on 48 level at no. 5 shaft.

Mike was 24 years of age when he came to Canada in 1923 from Poland, and after a year out west, joined his brother John in Sudbury. John retired from the smelter about five years ago with over 40 years' service.

Mike is proud of the fact that never in all his Inco years did he



Mike and Mrs. Bello



Among the big turnout at Port Colborne to honor Webb and Mrs. Dearing on his retirement after 39 years with the Company were the guests shown above: left to right, this side of the table, Mrs. Peter Feltham and her husband, Gord Hurst, George Brown, Andy Bryson, Wilf Christie, Mrs. Alex Zahavich; opposite them, Mrs. R. Hughes and Roswell, Mrs. W. Avery and Bill, Mrs. L. Way and Les, Mrs. B. Crawford and Bert, Mary Grace, Mr. and Mrs. George Smith, Mrs. W. Crawford.

draw a sickness insurance cheque. "I've never really been sick in my life," he declared, and he continues to be the picture of robust health.

He was married in 1929 to Stella Crouse. Their daughter Nellie is married to George Sutton of Creighton, and their son Walter works in Sudbury. They have three grandchildren.

After living in Creighton for 36 years — "and that's the best place to live" — Mike has moved to a house he owns in Sudbury and he and his wife are now busy making a new circle of friends.

Taking things easy this winter and spending more time at camp next summer are among Mike's immediate plans.

354 Bowlers in Creighton Club Leagues



They almost need traffic signals in the 3-alley bowling department at Creighton Employees Club these nights, with five leagues in action and over 350 people taking part.

The picture was taken during a scheduled game in the Creighton mixed league; about to scatter the pins is Irene Kasepчук, and seated in the background are Bert Blackwell, Litza Takala (scoring), Dave Pentney, and Alex and Mabel Ostafie, with Tootsie Kinonen and Edna Pariviere looking over their shoulders. The Creighton mixed league has 18 teams; Helen Cassell is president and Hurlie Hreljac secretary. Helen Cassell is also

president-secretary of the four-team ladies league.

Biggest group using the Creighton alleys is the pep-packed Lively mixed loop, with 21 teams. Bill Fortin is president and Bob Spriggs secretary.

The Creighton-Lively men's major league has a lineup of eight teams. Perennial promoters of this classy company, which includes some of the finest keggers in the Nickel Belt, are Harry Narasnek and Tom Shannon. Another eight-team setup is the hotly contested teen-agers' mixed league, of which Wes Bobbie is president and Bill Narasnek vice-president.



Webb and Mrs. Dearing surrounded by some of the native workmanship gathered from all over the world for their interesting gift shop.

WEBB DEARING 39-YEAR MAN

The Nickel Refinery accounting department's social club met at the Rose Villa, Port Colborne, to honor "Webb" Dearing, who was leaving his desk on retirement after nearly 39 years faithful service with Inco.

Webb was born in Dashwood, Huron County, and on leaving school worked for the CNR as billing clerk at Hespeler and also on the Welland division. Completing his army service in 1918 he joined International Nickel as a weigher in no. 3 building where nickel oxide poured from 10 calcine furnaces and was transferred to no. 4 building for refining to nickel ingots.

Webb left to work at the Government Elevator for a couple of years, then returned to Inco in 1923, again as a weigher, and since that time has continued to keep records of Inco's daily production down through the years. In 1926 he was appointed a plant clerk, then changed desks in 1937 when he moved to the main office to continue his tabulations of nickel production in all its ramifications.

Webb Dearing worked under a succession of office managers and all have had the same glowing report on his willing co-operation and reliability in his work at all times.

In 1923 Webb married Lorena A. Mehlender. They have one daughter, Dorothy (Mrs. Stan Butcher of Port Colborne).

Retirement from International Nickel will not mean slippers and rocking chair for Webb, since he

joins Mrs. Dearing in operating their very interesting gift shop with the intriguing name of "The Four Winds". Here he will work and browse in a "world" market where brasses, teakwood and bells from India vie with Italian glassware and pottery, Eskimo workmanship in soapstone from the far north shines alongside artistic designs in Swiss music boxes. Canadian craftsmanship of many varieties mixes with English bone china and figurines from West Germany. Sweden sends glass and stainless steel to compare with native work curiosities from Mexico and Denmark. "The Four Winds" is a very apt name for Webb's new domain.

Stewart Augustine was master of ceremonies at the big party for the Dearings, and Howard Houser presented them with gifts of a camera and perfume on behalf of the social club members and their many friends. On behalf of the Company, J. Howard Tuck thanked Webb for his loyal and valuable service and wished him and his wife continued happiness.

WIRE-WOOL PADDING

A tough alloy of nickel and copper is machined into a wire wool and is used as padding to cushion the vibrations of jet engines in supersonic aircraft.

"We blame in others," wrote Alexander Dumas, "only the faults by which we do not profit."



Cheering, Waving Multitude Grets Arrival of Santa

With a booming Ho-Ho-Ho for everybody within the reach of his big friendly voice, Santa Claus opened the Christmas Season in Sudbury on November 24 as he rode through the streets in majestic splendor behind his eight prancing reindeer.

A waving, cheering multitude of thousands jammed the downtown area of the city for this heart-warming annual ritual in which everyone regardless of age is young at heart. Scrooge was nowhere in sight.

A wonderful parade of brass bands, smart-stepping cheerleaders, crazy clowns and beautifully decorated floats ushered Santa through the streets on his triumphant return.

One of the outstanding creations in the long procession was the Candy Queen float of the Sudbury Police Association. Another was the Flintstone Family presentation with Dino the Dinosaur, created by Tele-Signs, which was chosen to represent Sudbury in the Grey Cup parade in Toronto on December 1.

But still the prime favorite with the kiddies, next to Santa himself of course, was Rudolf the Red-Nosed Reindeer, although Zorro, Robin Hood, Yogi Bear, and other all drew tumultuous applause as one by one they passed in review.

Sudbury's Junior Chamber of Commerce, or Jaycees as they are



called for short, were again responsible for the big parade, with the co-operation of many merchants and business houses. Rapture and delight in the faces of starry-eyed children and nostalgic tenderness in the smiles of the grown-ups were the true measure of their success, and these were everywhere about the town long after Santa and his retinue had left the scene.

GIANT GRINDERS

The three largest ore grinding mills in Canada are situated in the concentrator of International Nickel's Thompson mine operation in Northern Manitoba. Each is 12.5 feet in diameter and 16 feet long.

A CHAIN REACTION

A man who was worried about his daughter was talking to the doctor. "Does she drink milk before she goes to sleep?" asked the doctor.

"Yes," said the man.

"That's the trouble," said the

doctor. "If you feed the child milk before bedtime, she goes to sleep and tosses from side to side, milk turns to cheese, cheese turns to butter, butter turns to fat, fat turns to sugar, sugar turns to alcohol, and the first thing you know the kid wakes up with a hangover."

Elves Make Ready for the Boss' Big Trip



Some of Santa's helpers, busy in his workshop at the North Pole, are seen in this view of a corner of the Inco Christmas Window in the Chamber of Commerce offices, on the corner of Elm Street and Frood Road, Sudbury. It's a scene of hustle and bustle as the elves turn out the toys to fill Santa's big pack in time for his important trip south the night of December 24. As usual, Toronto designer Harry Despard has created a delightful display in keeping with the Christmas season.



Norman H. Kearns, the chief engineer (centre) and John Quance, assistant chief engineer, study a report on a proposed construction project. With them is the department secretary, Mrs. Ann Houle.

Huge Construction Projects Handled By Inco's General Engineering Department

Brain centre of the huge construction programs — which down through the years have built Inco's Canadian plants into the biggest enterprise of their kind in the world — is the general engineering department at Copper Cliff.

When the Company gets growing pains, this is where they're felt most.

Since 1928, when rebuilding of the smelter at Copper Cliff was undertaken and the Frood mine was opened up, the general engineering department has handled projects involving expenditures of well over \$300,000,000.

It handles the designing of new buildings and equipment for mines, mills, 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 and plant replacements are prepared by this department as well as specifications and contracts for work performed by outside contractors.

Consultation on special designs for the maintenance and improvement of operating equipment, esti-



In the new powerhouse at the Iron Ore Plant construction details are discussed by the Foundation Company's project manager, Robert Wheelan (centre) with Allistair Finlayson (right), Inco assistant chief draftsman, and George Mangolich, field inspector.



Conferring on construction details of the addition to the recovery building at the Iron Ore Plant are Dave Duncan, chief draftsman (centre), Jim Metcalfe, assistant master mechanic of smelters (right) and Derek Wing, draftsman. BELOW: These are the men who handle the estimating and requisitioning for the department. On the left chief estimator George Fleming and assistant estimator Dick Lanz discuss cost details of a project while to the right, working on requisitions for building materials and equipment, are Al Kotanen, Wilmer Hughes, Dave Cole and Mickey Dumka.

mates 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 department.

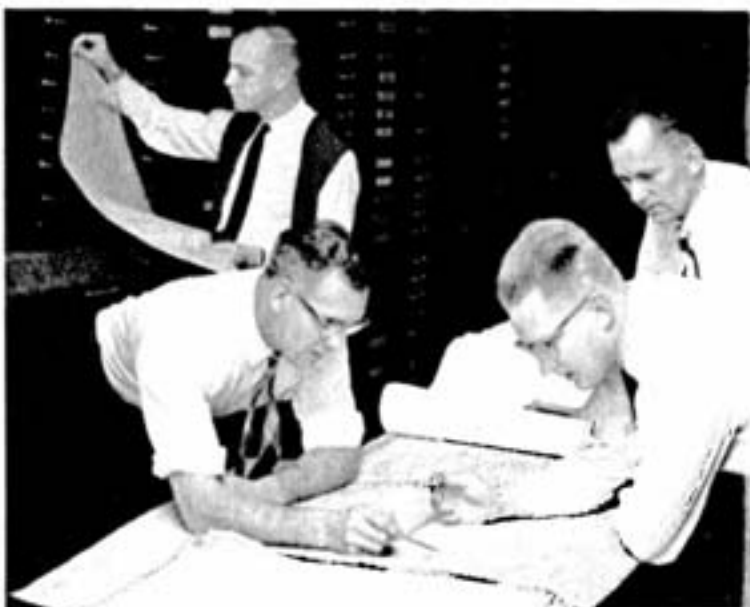
New construction work is supervised in the field by the department, which makes tests of materials entering into the work and checks delivered materials against the specifications, examining for flaws and defects.

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.

Need a new headframe, by any chance? Like to have an extra reverberatory or two added to your furnace department? Or how about a complete new nickel plant with mill, smelter and refinery all neatly

In the department's vault, where thousands of engineering drawings are on file, Leo Poirier is seen here studying a plant design while Peter Chesterman, Leo Roininen and Tom Allis check details of an equipment supplier's print.





Here is a general view of the drawing room where normally about 40 of the engineering department's personnel are busy on designing and

drafting. Twelve members of the staff are second-generation Inco men.

integrated with the mine, like the one at Thompson. The general engineering department are the boys to fix you up.

Demonstrating the faith of the Company's directors in the future of nickel and the ability of the Inco research program to develop a host of new uses for it, the great construction program of 1928 and 1929 put the general engineering department in business in a big way, and it's been there ever since.

The smelter was redesigned and rebuilt, with the first of the two 500-foot chimneys appearing on the Nickel Belt skyline, the mill

was built with an initial capacity of 8,000 tons, and the surface plant constructed at Frood no. 3 shaft. In 1935 the surface plant at Creighton 5 shaft was added to the mining plant picture.

In 1936 the engineering department was called on for the addition of two copper reverberatory furnaces, eight converters, and a 500-foot concrete stack to the Copper Cliff reduction works. Corresponding extensions were made to the mill, which in the next few years was progressively enlarged until it reached a capacity of 30,000 tons.

The year 1938 saw construction

of the crushing plant and service buildings at Frood Open Pit, with necessary extensions to the rock-house at 3 shaft. Then, in order to meet the increased tonnages of ore required for war purposes, other additions to the mine plants had to be rushed to completion. The Murray mine surface plant, with its striking monolithic concrete headframe, was an outstanding example of the general engineering department's designing skill, combining beauty with strength and at the same time conserving war-vital steel.

Another massive expansion to Copper Cliff smelter came off the

drawing boards in 1946, the huge buildings to house the new matte separation process and the sinter plant.

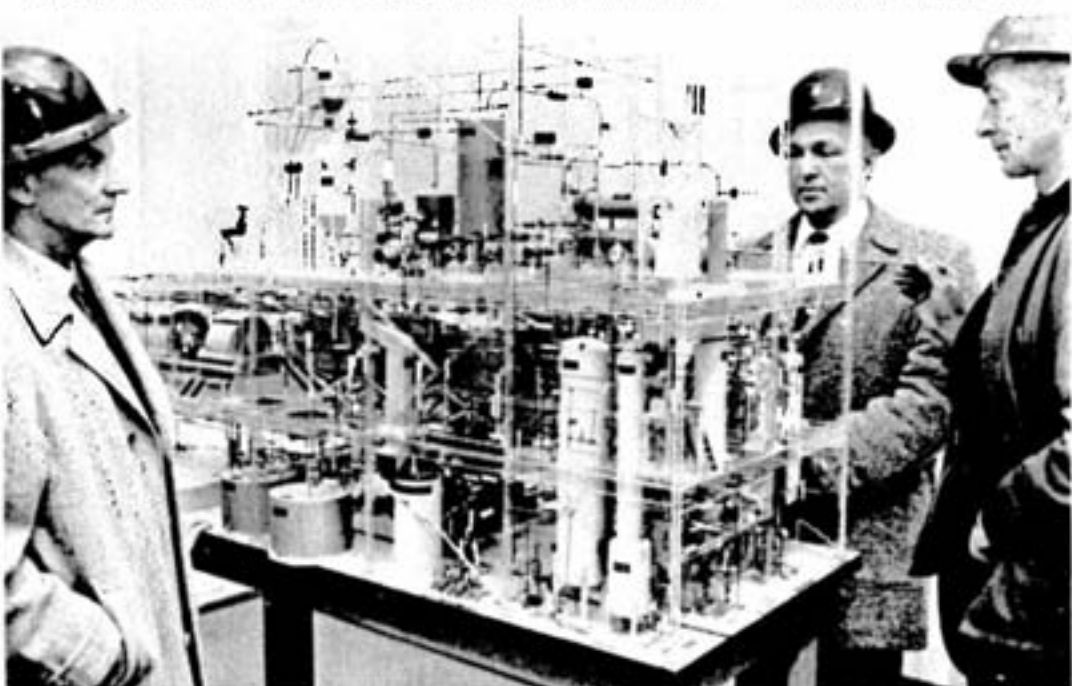
Next among the major highlights in the general engineering department's hectic history was the 1949 program covering construction of Creighton 7 shaft headframe and mill, and the 7½-mile trestle and pipeline to carry concentrate over to Copper Cliff.

In January, 1954 they poured the foundations for the 631-foot chimney and launched construction of the first unit of the Iron Ore Plant. Highly involved problems of design.

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Mike Skirda, draftsman, goes over some details of concrete design with design engineer Hjalmar Stavang.



Extensive use is sometimes made of models in conjunction with detail drawings on an intricate construction project like the addition to the nickel recovery department at the Iron Ore Plant. Picture shows Doug Thom, assistant to the chief engineer, and Jaro Pulka, draftsman, studying a section of the model with E. H. Bracken, Iron Ore Plant superintendent

(right). There are six such sections which, when put together, form a complete model of the initial recovery plant and the modifications which are being made to it as well as the addition now under construction. Built by consulting engineers Blaw-Knox on the scale of one half inch to one foot, the model is complete to the most minute detail.



Design engineer Frank Orange (centre) discusses a heating and piping layout with draftsmen Jorge Kleber and Gunther Schultz.



A joyous Christmas to Mr. and Mrs. Charles Michener and their family shown above at their home in Toronto. When the picture below was taken in Copper Cliff in May, 1950, Gordon was 10, Roland was 6, Marilyn was 8, and father was showing them how to run a train, something he very seldom does nowadays. He is vice-president of Canadian Nickel Company, Inco's exploration subsidiary.



Mr. and Mrs. Charles Michener and their family shown above at their home in Toronto. When the picture below was taken in Copper Cliff in May, 1950, Gordon was 10, Roland was 6, Marilyn was 8, and father was showing them how to run a train, something he very seldom does nowadays. He is vice-president of Canadian Nickel Company, Inco's exploration subsidiary.



May happiness abound for Mr. and Mrs. Len Hayes of Lively and their family, Sandra, 17, Lorraine, 19, Douglas, 11, and Timothy, 6. The picture below was taken in Jan., 1948, before the two young men arrived. Len is a fitter at Copper Cliff.



THEN ... and now

Christmas is the family time. Once again the Triangle has gone back to the early years of its cherished Family Album for pictures to compare with photos of the same Inco families as they are today. In that span of time little folk have grown into stalwart sons and gentle maidens, a credit to their homes and parents. This Christmas 1962 we say "God bless them all!"



Greetings of the Season to Mr. and Mrs. Creighton, their son Emil who is 8, and daughter Agnes who is 6 at Sudbury General. Back in 1948 Emil was 8 and learning to read. Agnes was 6 and very proud of it.



Tidings of Comfort and Martin Wickstrom, Diane Laura Jean, 1½. That if she's going to be as pretty as her mother who was also a real child of 2 (above). Mar at Froed-Stobbe and live



Deck the halls with boughs of holly for Mr. and Mrs. Charles Ferguson, Bill, who is in second year law at the University of Toronto, Lee, in grade 13, and Cathy, in grade 10. They live in Sudbury and Charlie is in the mines department at Copper Cliff. In their April 1948 picture, above, Bill was 9, Lee 5, and Cathy 1½.





of Mrs. Paul Zamiska to teaches school at is in nursing train- in May 1948 (below) d of teaching, while her braids.



Joy to Mr. and Mrs. sa, 16, Marty, 12, and young miss looks as etly as her big sister, arner at the tender th is an electrician is in Sudbury.



Here's hoping All is calm, All is bright for the Argyle Eastwood family of Coniston, which has doubled in size since the photo on the left was taken in May 1948. Carol Ann, then 5, is now



Mrs. Harry Harapiak. She and Rodney, now 17, have been joined by Sandra, 12, and Tommy, 7. Both Argyle and his wife are active in community work in Coniston.



A happy and healthy New Year to Joe Hughes of the Copper Refinery and his wife Gert, who have changed very little in the 14 years since they were photographed with Eleanor, 4.



now in grade 13 at Marymount College, and Bob, who this year reached voting age, works in Sudbury. The smiling newcomer is Owen, 11.



All the heart-warming delights of the Festive Season to Mr. and Mrs. Carl Kanold and their sons of Port Colborne. Paul was 6 and David 3 when the above photo was snapped in February 1948. Now Paul sells insurance in Toronto and David works for Woolworth's in Welland, and their dad is in his 30th year of service at the Inco Nickel Refinery.



May this be the merriest Christmas yet for the Adam Frohlich family of Levack, which has taken on three new members since the above photo in April 1947. Bill, now 20, Ron, 19, and Bernard, 16, have since been joined by Dick, 14, Dennis, 10, and Darlene, 2. On the day the picture below was taken, November 24, the family welcomed its first daughter-in-law when Ron married Patricia Tessier of Onaping on his parents' 24th wedding anniversary. Adam has been at Levack since 1937.





At Victoria Harbor in the far North an Inco exploration geologist's aircraft tied up to the anchor of an arctic expedition ship wrecked 130 years ago in the search for the Northwest Passage.

Relics of the Heroic Struggle to Find Northwest Passage

Relics of the heroic struggle to discover the Northwest Passage, in which for centuries men spent their courage and fortitude to penetrate the cruel and forbidding fortress of the Canadian Arctic, were photographed by Inco exploration geologist Henry Vuori during one of his trips to the far North.

At Victoria Harbor, on Boothia Peninsula, "Hank" saw remains of gear and stores from the Ross expedition's ship *Victory*, which had to be abandoned, and on Fury Beach, Somerset Island, he came upon similar relics where Parry's ship, the *Fury*, was lost.

From Eskimos and Hudson's Bay Company factors he heard stories, handed down for hundreds of

years, of the incredible difficulties faced by the men of these and other expeditions as they fought bitter cold, loneliness, scurvy, and the implacable, relentless ice.

A Northwest Passage, by which the seafaring countries of northern Europe could reach the "spice islands" of the Far East without having to make the long and perilous voyage by way of the Cape of Good Hope and Cape Horn, had long been the dream of the merchants of London and Bristol.

Away back in 1575 Martin Probieher led the first of a series of expeditions to seek the key to the Canadian Arctic, landing on the coast of southern Baffin Island, but it was not until almost 300

years later that the mystery of the frozen wastes was solved.

In October 1850, Commander Robert McClure, his ship the *Investigator* locked in an ice pack, pressed on by sledge and finally at sunrise on the morning of the 26th, from a 600-foot hill ascended during the night, beheld the waters of Melville Sound. The riddle of the Arctic had at last been solved.

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Pilot Jim Barber holds up one of the huge saw blades used by the early explorers to carve a channel through the arctic ice.

Sometimes moving as slowly as three miles in six weeks, the arctic explorers battled their way through the ice, often opening a passage with large saws suspended over a block between poles.



"Hank" Vuori had his picture taken with the anchor of Sir John Ross's ship *Victory*, first steam vessel to be used by an arctic expedition. BELOW: This was the discouraging view that Ross got from the beach at Victoria Harbor, where he had to abandon the *Victory*. One summer here he experienced a navigation season of exactly one day.



Four New 25-Year Men in Spotlight at Thompson



Four new members received their gold lapel buttons at the keenly enjoyed fourth annual dinner of the Thompson chapter of the Inco Quarter Century Club, held October 31 in the Thompson Inn. Senior vice-president Ralph D. Parker made the presentations and later addressed the gathering, giving a review of recent developments in the Company's activities. He is shown above with Manitoba division general manager F. F. Todd and the four new 25-year men, on the left Lloyd McDonald and Jim Harvey, on the right Ed Melvor and John Jones. Ten members of the Thompson chapter and 24 guests sat down to the excellent banquet; some are shown in the accompanying head shots:



Ralph Hawkins, Carl Goddard, Ross Hawkins.



Gerry Gibson, Fred Dubery, Horace Boucher, Don Munn, Romeo LeBlanc, Keith Diebel.



Trevor Fregren, Bill Thorpe, Carl Nesbitt, Ray Puro.



Bill Spence, Louis Gore, Herb Blais, Al Smith.



Bert King, Al Cameron, Joe Church, Gordon Armstrong, Rudy Regimbal.



Ike Klassen, Harry Peterson, Frank Zurbrigg, Joe Steele.



Clarence Beach, Leo Pilon, Harry Banasuk, Jack McConnell.

Janko Katulich

Janko Katulich's early experiences in Canada were cold ones. "I remember working in 60°-below-zero weather on Good Friday in 1929," he said. He was on a railroad construction job north of Edmonton at the time, sleeping in tents and generally enjoying the brisk air.

Retired now on disability pension from the Copper Refinery after working there for more than 31 years, Janko is seriously thinking of trying another climate for his asthma. "I had a bad summer," he said, "and I may move down Hamilton way, I think the climate will be better there."

Another reason for moving is that their only daughter Mary — the wife of Mike Primorac, son of a recent Frood pensioner — and their two grandsons also live in that area.

Janko and Mary Chrnko were married in 1928 just before he left for Canada, where she joined him in 1936.

Born 56 years ago in a village of farmers in Croatia, Janko was surprised and a little unhappy about the great distances separating Western Canada farm houses. "Where I came from all farmers lived together in the village and went each day to work their farms," he said, "and we kept the cattle in back of our houses."

Coming to Sudbury in 1929 he worked a short time for Fraser-Brace, tried the bush camps, then started at the Copper Refinery in

1930. He worked all his years in the tankhouse, the first dozen on the floor and then making starting sheets, and the last 20 years as crane-man. "That was a good job and a good place to work," he remarked.



Mr. and Mrs. Katulich

Well regarded by all at the tankhouse he will be missed there equally as much as he misses the gang he had worked with all those years.

Tony Plut

Tony Plut took a flying trip back to Yugoslavia this past summer and enjoyed it so much that he is already arranging an encore.



"I can live like a king there on my pension," Tony said, "and the weather is pretty nice too."

Tony was born in Yugoslavia 65 years ago and still has a married

daughter living there. His wife, whom he married in 1925, died last year.

A long time Frood-Stobie miner Tony, the picture of health, actually looks 10 years younger than his age. "I feel great," he grinned, "but I miss mining."

Coming to Frood in 1930 he drove drifts and mined stopes on the lower levels for more than 10 years, then worked in stopes and pillars on 1400, 1600 and 1800 levels until 1956, then transferred to Stobie as powderman on 1400 level, where he remained until retirement.

Tony came to Canada in 1929 and after the usual brief apprenticeship out west landed at Levack where his friend John Starika had directed him. After the fire there in December of that year he went to Frood.

Daily walks and visits with old friends are among the things Tony readily admits he will miss most if he does leave this country. "I have lots of friends," he declared, "and they have been very good to me."

NON-MAGNETIC STEEL

When sufficient amounts of nickel or nickel and chromium are added to iron it becomes non-magnetic. This is the case with many high quality stainless steels which contain about 18 per cent chromium and 8 per cent or more of nickel.

\$2,861.00 Paid in Three Inco Suggestion Plan Awards



Two cheques for \$1,000 each and one for \$861 were presented to three Inco men last week for doing a little extra thinking on the job. For Aldo Bardeggia, blacksmith leader at Copper Cliff, it was the second \$1,000 suggestion plan award in a year. In November of 1961 he clicked for the big jackpot with a bright idea for improving the method of cutting punch bars for the tuyeres. This month he bagged his second \$1,000 award for suggesting the design for an air-operated machine to bend bars used as hooks, hangers and clamps, work previously done by hand. Picture shows Aldo receiving his \$1,000 cheque from the master mechanic of smelters, W. B. Ibbotson, while a group of his blacksmith shop buddies look on admiringly.

Toiva Peura

Toiva Peura first came to Inco in 1926. "My sister Hilma lived in Copper Cliff," he said. "She married Jack Seppala so I stayed with them." That was the same year he came from Finland where he was born 25 years earlier.

Toiva first worked in the old smelter, then quit in 1928 and went into the bush. "I worked for White and Plamant most of the time," he



Mr. and Mrs. Peura

said. Five years later he was back at Inco working on the converters. A skimmer for the last 18 years he had punched and done other furnace jobs previously.

In the best of health Toiva has decided to take life easy now and is presently getting himself accustomed to this life of no work and all play — with pay. "He is quite happy," said his wife, the former Mrs. Aili Niemi whom he married in 1937, "and never complains."

The Peuras have a comfortable home just across the road from Trout lake and there Toiva does a bit of gardening in summer. Fishing, visiting friends and travelling are among his other leisure pursuits and which he can now enjoy whenever he feels like it.

"My youngest boy has trouble with eczema."

"Gracious, how did he get it?"

"He hasn't got it. He just can't spell it!"



H. J. Capistrand, maintenance mechanic, came up with a brainy suggestion for micro-fog lubrication of the hydraulic cylinders used in the operation of the Coniston sinter plant machine discharge doors and loading hoppers. Although he now works at the Iron Ore Plant, "Cappy" returned to Coniston to be presented with a cheque for \$861 by mechanical general foreman Gordon Adams. "It couldn't happen to a nicer guy," said one of his delighted workmates.



A method which eliminates 660 bolts in fastening the filter screens to the shell of each filter at the Copper Cliff mill was the \$1,000 award suggestion put in by E. J. "Red" Porter, maintenance mechanic. E. G. Stoneman, assistant manager of reduction works, is shown presenting the popular "Red" with his cheque and congratulating him on his brainwork and initiative.



A trip to California to visit one of his daughters, Ada (Mrs. Paul Porco), is the special treat Aldo Bardeggia will enjoy with part of his \$1,000 cheque. He and his wife are shown in the Trans-Canada Airlines office in Sudbury, arranging the flight with stewardess Ruth Bloemmen.



"Put it right smack into the bank," grinned "Cappy" Capistrand when asked what he planned to do with his \$861 award. He was almost speechless when he learned the amount. "I thought I might get a couple of hundred bucks. What a swell Christmas surprise!" He is shown with his wife Florence and daughter June in their home at Wahnapijau.

BELOW: Looks like the old hockey star, "Red" Porter, is going to get a nice new easy chair for Christmas out of that \$1,000 windfall. He and Mrs. Porter were snapped in a furniture store with salesman Alfio Grotto. They live in Lively with their son Ivan; another son Clayton is in Ottawa and their daughter, Cameron, is Mrs. Douglas Watson, Toronto.



Appointments

The following Manitoba division appointments have been announced at Thompson by general manager F. P. Todd: J. K. Diebel, chief geologist; J. F. Church, assistant to the chief geologist; C. N. Goddard, assistant to the chief geologist.

Mr. Diebel succeeds G. W. Thrall, who has become chief geologist of the Ontario division. He was born at Mindemoya, Manitoulin Island, but spent his boyhood on a farm just west of Copper Cliff, and attended Waters Township and Copper Cliff public schools.



J. K. Diebel

Graduating from Sudbury Mining and Technical School he attended Queen's University, where he received his mining engineering degree in 1942. He then served for three years in the RCNVR as an engineering officer.

Mr. Diebel joined the Company in October 1948 and since that time has been engaged in geological exploration in Saskatchewan, the Northwest Territories, Alaska. He was geologist-in-charge at Prince Albert for five years, and in Guatemala for 18 months.

He was married in 1943 and has one daughter.

J. F. Church, who was born at Hartford, Conn., moved at an early age to St. John, New Brunswick, where he attended public and high school. He graduated in geology from the University of New Brunswick, Fredericton, in 1950, and received his master's degree four years later.



J. F. Church

Joining Inco in 1951 as an exploration geologist Mr. Church worked mainly in Saskatchewan and the Northwest Territories. He gained mine geological experience at Levack mine. In 1956 he was transferred to the Manitoba division where he was engaged in exploration work in the Thompson-Moak area.

Married in 1956, he has three children.

Born in Montreal, C. N. Goddard received his preliminary education there and then attended McGill University, from which he received a bachelor degree in geology in 1949.



C. N. Goddard

Following some exploration experience in Alberta and northern Quebec he joined Inco in 1952 and worked on the Sudbury Basin exploration drilling program. He was transferred to the Creighton mine geological department in 1956, then in 1958 went

"Merry Christmas to All!" Says Port Colborne Plant



to the Manitoba division as Thompson mine geologist.

He was married in 1950 and has four children.

TO THE EDGE OF SPACE

Nickel alloys developed and produced by International Nickel play a critical role in the flights of the X-15 manned rocket aircraft. The alloys withstand the sub-zero cold of the frontier of outer space and

Here's a Christmas card to all other branches of the Inco family, at home and abroad, from the Nickel Refinery at Port Colborne. Mrs. Helen Wilson, the cheery receptionist in the main office, is surrounded by a group of smiling faces representing various departments of the plant. Immediately

the scorching heat of re-entry to the earth's atmosphere.

above her is the nickel refining division manager, J. Howard Tuck, and clockwise from the top left corner are Bob Cochrane, machinist; Joe Szeptaki, calciner machine man; "Gamey" Thompson, shipper-weigher; Don Randall, day unit man; Gord Marr, sub-foreman, anode; Elery Neff, electrician.

Well, thanks for the nice greeting, Port Colborne. Merry Christmas and Happy New Year to you from the rest of us!

Lloyd Houser

After 35 years' service with Inco at Port Colborne Lloyd Houser is retiring on full service pension.

Born in Grimsby he got his first job on leaving school with the Foundation Company on construction of the Nickel Plant. He then spent five years working and travelling in the United States, but returned to the plant he helped build in 1928.

Lloyd started in the leaching department, and handled many tons of nickel oxide across his scale. In 1936 he transferred to yard and shipping, in which department he became a sub-foreman in 1954.

Lloyd has an enviable record in both working hours and off hours. He served seven years on the town council, has been active in his church's activities, and is blessed



Mr. and Mrs. Houser

with a top tenor voice which has been heard to advantage in community choral work.

He has been a conscientious and faithful worker, diligent and careful in his reports and always alert to the responsibilities of his job.

He married Olive May Richardson in 1927 and they have one daughter Elaine — Mrs. Mocsan of Welland. Four grandchildren complete the Houser family.

At a gathering of workmates and friends Lloyd was presented with a gift of money as a token of their respect and esteem. Charles Bridges, superintendent acted as master of ceremonies and spoke of Lloyd's faithful service. J. H. Walter expressed the thanks and good wishes of the management to Lloyd and Mrs. Houser.

Northwest Passage

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and all doubt of a navigable passage between the Atlantic and the Pacific oceans removed.

It was for this cause that Sir Edward Parry and Sir John Ross, among many other intrepid adventurers, had endured tremendous frustration and hardship.

In 1825, on his third voyage, Parry further investigated the east coast of Somerset Island, sailing down it to Creswell Bay. Storms and heavy ice led to the loss of one of his ships, the *Fury*, at Fury Beach. The ship was abandoned on the beach and much of its stores and three boats were cached beside it.

Although a sad loss to Parry's expedition, the *Fury's* stores undoubtedly saved the lives of the next explorers in the area, John Ross's expedition which had been financed by the wealthy British distiller, Felix Booth. The new

land discovered by the expedition was named Boothia Felix after its patron, and the debt of arctic exploration to the demon gin was thus inscribed on the map.

In 1829 Ross sailed down the coast of Somerset Island looking for the passage westward. He called at Fury Beach, finding the boats and stores undisturbed but no trace of the *Fury* herself. Continuing south he passed Bellot Strait without seeing it, which is really not surprising as the entrance to the strait is narrow and obscured by overlapping islands, and ice prevented him from examining the shoreline closely. The history of arctic exploration is full of straits mistaken for bays and bays for straits, but Ross was particularly unfortunate in this respect. It is quite possible that if he had found this one he might have sailed right through the Northwest Passage, or at least have proved its existence.

The expedition's vessel, the *Victory*, was a paddle steamer which had been formerly used as a packet boat between the Isle of Man and Liverpool. She was the first steam vessel to be used by an arctic expedition but gave continual trouble and finally had to be abandoned on the beach at Victoria Harbor, where for many years she was a treasured source of wood and iron to the Eskimos.

After being imprisoned for three winters Ross's men finally made their way on foot up the coasts of Boothia and Somerset Island, to Fury Beach, where Parry's stores saved them from starvation. They repaired his three boats and set off in these small craft for home, eventually being picked up by the whaler *Isabella* of Hull or they would certainly have perished. Ross reported that the *Isabella's* mate, on being told who they were, "with the usual blunderheadedness of man on such occasions . . . assured me that I had been dead for two years."



Winnett — Jacobson

The Copper Cliff and Toronto offices got together on a long-term basis at St. Timothy's Lutheran Church, Copper Cliff, on September 29 when Doreen Jacobson, personnel department secretary, became the bride of Bill Winnett of the accounting department at 55 Yonge Street. They honeymooned in Bermuda and New York and now reside at 200 Ridley Blvd., Apt. 312, Toronto 12. "Doreen has traded in her notebook for a cookbook, and the results have been terrific," the young husband advises us via Telstar from Cloud 9.

Frood-Stobie's Fishing Champions



Frood-Stobie's annual fishing derby again produced some very fine entries in all classes. In the above picture Stobie assistant superintendent A. P. Olive (left) and underground superintendent Casey Jones (right) congratulate the three Stobie winners: Bernard Beaudry won the lake trout class with a 19-pound 12-ounce beauty, Frank Zieba took top honors for pike with a 17-pound 12-ounce entry and Bob Mitchell turned in the best speckled trout, 4 pounds, 7½ ounces.



At Frood, underground superintendent Norm Anderson (left) and assistant superintendent Gord Strasser (right) presented the prizes to the winners: Stanley Newman's 35-pound muskellunge won him first prize. Charlie Travers took large mouth bass honors with a 5-pound 13½-ounce specimen, and in the small mouth bass class Trayton Armstrong's 4-pound 8-ounce entry was the best. Another Frood winner was popular Wes Eby, now on pension, who took the pickerel class with a 9-pound 8-ounce dandy. In addition to individual trophies the winners received electric hunter's lanterns.

General Engineering

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were encountered in this project to use a new process developed by Inco research engineers for the manufacture of premium grade iron ore. At this time also the engineering department undertook a new surface plant at Crean Hill mine.

Then, during the winter months of early 1957, 30,000 tons of material and supplies was taken in by tractor train over the frozen lakes and muskeg to Thompson, Manitoba, to start Inco's great new nickel project which was designed and put on paper by the Copper Cliff engineering department. The world's second largest nickel producer, this \$125,000,000 plant com-

menced production on schedule in 1960.

The new mill at Levack, the fluid bed roasting plant at the Copper Cliff reduction works, and the surface plant at the Copper Cliff North mine are recent achievements in which the engineering department has played its important part.

At present a good deal of this busy department's attention is taken up with the \$50,000,000 extension that will triple the capacity of the Iron Ore Plant. Modifications of the original design have been part of this major assignment.

What's the next big job? Well, wherever or whatever it is, the staff of the general engineering department will take it in their stride.



When John Ikonen, popular powderman better known by the Finnish "Jussi", punched out on his last shift at Creighton mine 5 shaft, a bunch of the boys from 4200 and 4400 levels posed with their old workmate for this photograph. He's seated in the centre; on his left is Les Parr, his divisional foreman, and on his right is his shift boss, Lee Ingraham.

Everybody Liked "Jussi" Ikonen

Powderman on 58 level at Creighton no. 5 shaft the past 11 years and one of Inco's better miners since 1929, John Ikonen has retired on service pension. Enjoying good health and his new leisure, John, a quiet, modest man, is looking forward to next summer when he'll be able to spend all his time at the family summer home on Black Lake. "I don't know about this winter though," he admitted. "So far I just shovel snow, drink coffee and take things easy."

John worked in a Helsinki shipyard before coming to Sudbury in 1929. After a few months at the Croesote plant and with Fraser-Brace, he was hired at Frood and helped drive the main drift on 2600 level. Laid off in 1930 he worked at odd jobs until 1933, then he was rehired at Creighton no. 3 shaft. When development work started at no. 5 shaft John drove raises there for many years and later worked in the stopes and pillars.

He was married in 1927 to Mary Rauhainen. One of their daughters Aino, is married to Creighton hoistman Aimo Dillillo, and the other, Elvi, is Mrs. A. Riutta of Chalk River. Their son, Eino is one of Sheridan Tech's better hockey players. They also have three grandchildren.

The first year John was in Sudbury he built a home but twice

in the intervening years has lived for a time at Creighton. Back now in their own comfortable home the Ikonens are a happy and devoted couple.

John's many Creighton friends turned out in large numbers to honor him at a party held at Sampo Hall recently where the guest and his friends had a dandy time topped off with the presentation to John by shift boss Lee Ingraham of an easy chair.

Bob Cratchit

(Continued from Page 2)

pound in the jug being tested, and considered perfect. Apples and oranges were put upon the table, and a shovelful of chestnuts on the fire.

Then all the Cratchit family drew round the hearth, in what Bob Cratchit called a circle, and at Bob Cratchit's elbow stood the family display of glass — two tumblers, and a custard-cup without a handle.

These held the hot stuff from the jug, however, as well as golden goblets would have done; and Bob served it out with beaming looks, while the chestnuts on the fire spluttered and crackled noisily.

Then Bob proposed: "A Merry Christmas to us all, my dears. God bless us!" Which all the family re-echoed. "God bless us every one," said Tiny Tim the last of all.

A woman's idea of keeping a secret is refusing to tell who told it to her.

Boated Big Muskie at French River

A 35-pound muskie that put up a wild struggle before it was finally boated is proudly displayed here by Stanley Newman of the Frood carpenter shop and his sons Raymond and Bob. They caught it during a fishing holiday at Green Bay Lodge, on the French River. "It was a real thrill," said Stanley.



Pensioners Enjoy Their Yuletide Visitors



The pleasant annual custom of paying Yuletide visits to the pensioners to enquire for their welfare and present them with Inco's Christmas cheque is being carried out by a group of Company representatives. In this picture assistant manager J. H. Walter of the Nickel Refinery, Port Colborne, chats over old times while looking at the family photo album with Mr. and Mrs. Tommy Christie. Tom was a foreman in the electrolytic department; he retired in May, 1959, on early pension after almost 26 years' service.



Mr. and Mrs. Lou Clement, Sudbury, enjoy a visit from administrative assistant R. G. Dow of Copper Cliff. Lou was a flotation operator in the Copper Cliff mill, with service dating back to 1934. He retired on pension late in 1969.

And then there was the hill-billy woman who named her kids Eenie, Meenie, Miney and Edgar, because she didn't want any Mo.



Dinner for Louise

The general manager of the Ontario division, prior to her retirement on pension after over 38 years of service. The gathering was held at the Sudbury Granite Club. A Royal Doulton figurine was presented to Miss Schofield as a remembrance of these many friends. Shown in the photograph, left to right (former members of the staff indicated by an asterisk) are: seated, Naomi (Perras) Ryski*, Eileen (Van Allen) Greenwood*, Rosemary Owens*, Louise Schofield, Eleanor Hambley*, Mary Whalen*, Josephine (Travaglini) McMullen*, Dina Minardi, Thelma

Past and present members of the office staff at Copper Cliff made a merry group at their dinner party for Louise Schofield, secretary to

(Blaney) Cooper*; standing, first row, Dorothy Purvis, Ethel Walmesley, Pat Charlebois, Claudia Rowe, Laura Camillucci, Margaret MacDougall, Elvi Mikkola, Florence Husson, Beatrice Lucid, Maureen Gleeson, Betty Burke, Nora Bargnesi, Maxine (Rendall) Bryant, Doris Wilkie, Eileen McGregor*, Jo Walmesley; second row, Ann Halovanki, Ralja Luoma, Ilona Jorgenson, Shirley Salo, Shirley Ruuskanen, Joan Rickard, Maureen (Lowney) Brown*, Miriam (Robertson) Hervey*, Anne Sabourin, Alice Gibson, Lorraine Pitt, Margaret Struch, Lillian Salem, Mary Lauron; back row, Dorothy Smith, Leona Howard, Pauline McGuire, Brenda Morris, Jean Bell, Elsie Oliver*, Kay Cuthbertson*, Phyllis Lewis, Edna Mash.

Angelo DelMul

A familiar face on the Copper Cliff general office janitor staff of several years ago, Angelo DelMul has retired on service pension. "I've been working since I was 12 years old," he said, "and that's long enough."

Coming from his native Italy in 1927 he arrived in Sudbury via Saskatchewan, Port William, Toronto and Windsor, and in 1928 was employed by Fraser-Brace at Copper Cliff. Joining Inco in 1930 he was laid off the following year and returned in 1933. "We worked one day a week for the town," was Angelo's recollection of those depression years.

Working on the charge floor in the Orford building until joining

nole) in New Jersey. Two grandchildren round out his family.

Angelo has lived comfortably in Copper Cliff for more than 30 years and except for a planned trip to Italy next year, intends remaining there visiting his many friends and generally enjoying life.

The Front Cover

"Mother and Child", a theme set to the eternal magic of the first Christmas morn. is again this year

the subject of the Triangle's December cover picture.

Peggy Schweinhus and her wonderfully healthy and happy little son Carl, just six months old, posed for the photograph, and a delightfully natural and attractive scene they made of it.

Born in Whitby, Peggy Kempthorne was a social worker in Montreal when, five years ago, she met and married Jacks Schweinhus, a geologist with the Anglo American Corporation. They spent three

and a half years in South Africa, the land of Jacks' birth, before coming to live in Lively about a year ago. Jacks is an exploration geologist for Inco and undoubtedly one of the proudest fathers that ever bust a gusset.

To every "Mother and Child", and to every beaming papa, the Triangle sends warmest greetings and best wishes for a Christmas morning as happy and full of love as the one depicted on this month's front cover.

Unexpected Guests for John Laki's Safety Talk

Painter foreman John Laki was giving a safety demonstration on scaffolding at the Port Colborne plant when vice-president James C. Parlee, manager J. H. Tuck, and general manager T. M. Gaetz dropped in to hear his talk. Not a bit fazed by this distinguished visitation, John carried right on with a graphic presentation of the length and width of planks required for various spans of scaffolding. He was assisted by Ewen Castle (left) and Julius Kanyo. Executive officers of the Company take every opportunity to show their strong continuing interest in the accident prevention program.



Angelo and Mrs. DelMul

the cleaning clan at the general office in 1942, he returned to that building in 1955 and completed his service there. "I liked working at both places," he said.

Married in 1918 and widowed in 1955 he made a trip to Italy in 1958 and brought Stella Sartori back as his wife. His sons, Augusto and Oscar, are in Toronto and daughter Freida (Mrs. M. Bottig-