



VOLUME 5

COPPER CLIFF, ONTARIO, MARCH, 1946

NUMBER 12

Newsreel Cameras Catch Pee wee N.H.L. Action



Kids Cavorted in Kleig Lights at Stanley Stadium

Newsreel cameras of the National Film Board "shot" hundreds of feet of film at Stanley Stadium the night of Feb. 22 while midget and bantam National Hockey League teams cavorted in the glare of the kleig lights.

In three fast games the N.H.L. peewees strutted their stuff in the Canadian sportslight. Feature match was between all-star midget teams from Sudbury and Copper Cliff, the latter winning 5-2. In the first of the accompanying Triangle pictures, Larocque of Sudbury kicks one away from his nets. From left to right the players in front of the goal are Eddie Martell, Cliff; Geo. McGinn, Sudbury; Tramontini, Cliff; Pelish and McCarthy, Sudbury. Behind the goal is Len Burton, Sudbury, chased by Toppazzini, Cliff. In the bottom picture Tramontini has just rifled the first goal of the game past Larocque; facing camera are Ethier, Toppazzini, and Trainor. Referee, Gerry Wallace.

The bantam exhibition saw Copper Cliff trim Sudbury Kinsmen 8-2 in a rollicking set-to

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Don M. Dunbar, Editor

EDITORIAL OFFICE COPPER CLIFF, ONT.

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Rest in Peace

In July of 1944, when the Triangle commenced monthly publication of the Roll of Honour, a total of 59 Inco men had laid their lives upon the altar of freedom in the Second Great War. At that time, as the tempo of the conflict mounted fearfully toward its climax, it was to be expected that there would be many more names for the sad but proud record.

There were. Now the Roll of Honour has upon it the names of 161 Inco people who "died to preserve our way of life." From less than a single column the list has grown with unrelenting regularity, month by month, to two full columns.

This month, for the first time in more than a year and a half, there are no new names to add. Probably there have been omissions but, as far as it is possible to learn, the list is complete.

With its next issue the Triangle will suspend monthly publication of the Roll of Honour. It will appear again at the time set aside by the nation for remembrance of our soldier dead.

In the interval it is respectfully committed to the minds and hearts of our readers. Let it not be forgotten, but let its story of noble sacrifice guide us to the high and solid ground where our road points straight and true into the future.

So of cheerfulness, or a good temper, the more it is spent, the more it remains.
—Ralph Waldo Emerson.

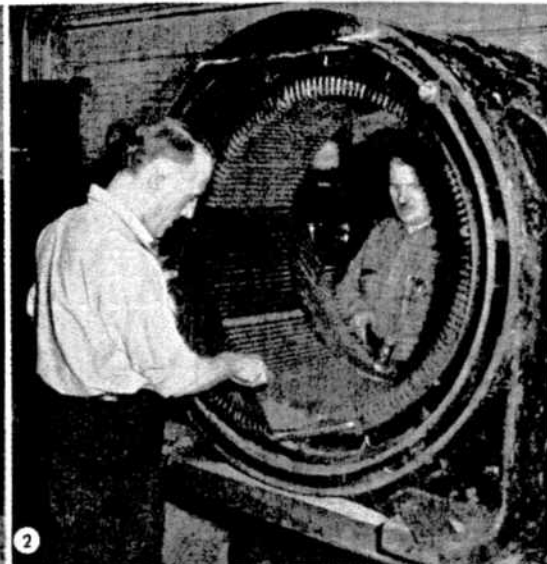


**WHEN YOU BOIL
IT DOWN IT JUST
MEANS
BEING CAREFUL**

ROLL OF HONOR

THESE HAVE DIED TO PRESERVE OUR WAY OF LIFE

AUBREY A. RODGERS Frood Mine	ALBERT S. BLANCHARD Copper Cliff Mechanical	C. J. FISHER Copper Cliff
CLAUDE R. MOORE Creighton Mine—Mechanical	FRED GREEN Frood Mine	EURWEDD OWEN Copper Refinery
CHAS. M. COMPLIN Frood Mine—Mechanical	THOS. B. FORESTELL Coniston Electrical	LLOYD KIRSTINE Frood Mine
DOUGLAS C. FLESHER Frood Mine—Mechanical	WILLIAM GORDON Port Colborne	EARL DAUBNEY Port Colborne
JOHN D. DOUGLAS Frood Mine	ALEX STALKER Coniston Electrical	ROBERT L. ANDREWS Frood Mine
THOS. D. FOLEY Frood Mine	F. CAMPBELL BUSHFIELD Frood Mine	ARTHUR F. HOOD Creighton Mine
GEO. E. POSTLETHWAITE Frood Mine	PHILIP SOULIERE Levack Mine	RONALD H. FOX Frood Mine
HUBERT LAFRANCE Police	JOHN L. F. LOWN Coniston Electrical	RICHARD C. DAoust Garson Mine
WALLACE IBBOTSON Copper Cliff Stores	FREDERICK KONIG Port Colborne	EDWARD F. KLEMMER Creighton Mine
DOUGLAS A. MAY Frood Mine	MORLEY P. LOYST Police	LEO BERNARD WALKER Frood Mine
GEORGE N. MOORE Frood Mine	HARRY MAKI Copper Cliff Electrical	ARMAND ETHIER Creighton Mine
CHARLES E. BROWN Port Colborne	DAN BERNARD Copper Cliff Smelter	KENNETH A. GREIVE Copper Cliff Smelter
CLARENCE NICKEL Copper Cliff—Mechanical	CLARENCE J. BAIN Copper Cliff Concentrator	LEONARD SMITH Copper Cliff Smelter
LESLIE R. SCOURFIELD Copper Cliff—Research	JOHN STEPHEN KITTS Open Pit Mechanical	MAURICE WILSON Creighton Mine
CLIFFORD G. GRAHAM Copper Refinery	CLARENCE L. STEVENS Frood Mine	CLIFFORD DONAHUE Frood Mine
LAWRENCE J. McHUGHEN Frood Mine	HARRY S. McINTYRE Frood Mine	THOMAS EASTON Frood Mine
WILLIAM T. LANE Copper Cliff—Electrical	GEORGE D. LEES Murray Mine Electrical	WALTER DAVID COOPER Copper Cliff Smelter
LESLIE BUTLER Port Colborne	DAVID SCOTT Port Colborne	JOSEPH P. HALL Coniston Smelter
THOS. F. HYNDMAN Copper Cliff Smelter	WM. BRODIE ANDERSON Creighton Survey	ELMER NEUMANN Levack Mine
BEATTY CAMPBELL Frood Mine	WILLIAM E. A. McMITCHELL Copper Cliff Smelter	HARRY FARR Copper Cliff Smelter
WILLIAM F. JORDAN Copper Cliff—Mechanical	GERALD ANDREWS Copper Refinery	WILLIAM MUNRO Copper Cliff Smelter
FRANK E. ANDERSON Garson Mine	ARCHIE FERGUSON Port Colborne	ERNEST TO'SVILLE Frood Mine
LEO WALKER Frood Open Pit	EDISON MENZIES Levack Mine	HECTOR DESAYEUX Creighton Mine
JAMES ANDERSON Port Colborne	FRANK VID Creighton Mine	WILLARD DESJARDINS Garson Mine
RUSSEL DAVID MATHERS Copper Refinery	MAURICE ONUSKI Copper Cliff Smelter	GEORGE A. MITCHELL Port Colborne
JOSEPH P. SULLIVAN Copper Cliff Smelter	ALBERT BRANKLEY Garson Mine	CARL WALTER STROM Frood Mine
C. A. McKINNON Copper Refinery	PATRICK CRAWFORD Open Pit	ALFRED J. GALLOWAY Frood Mine
STANLEY J. DUBOWSKI Copper Cliff Smelter	DONALD A. AUGUSTINE Port Colborne	LEONARD H. SAVILLE Port Colborne
VICTOR A. HUFFMAN Port Colborne	ALFRED BALCOMBE Port Colborne	CHARLES LEWIS WEATHERBY Coniston
REGINALD GREENTREE Levack Mine	BRUCE S. CORBETT Copper Cliff	DAVID H. JONASSON Coniston
DONALD D. MACKERACHER Creighton Mine	MURDOCK J. McLEOD Copper Cliff	ARTHUR DIWELL Port Colborne
STEVEN MOLARCHUK Creighton Mine	JAMES STANLEY HOWARD Frood Mine	WALTER HUGH SCOTT Frood Mine
HENRY EDWARD LACELLE Copper Cliff	JOHN LORNE ROCHESTER Copper Refinery	SIDNEY PHILIPCHUK Copper Refinery
DENNIS ARTHUR DAVEY Copper Cliff	GORDON W. FERGUSON Copper Cliff	LAWRENCE FREDERICK KING Copper Cliff
RAY EDWIN PATTERSON Copper Refinery	ELDON THOMAS MAGILL Garson Mine	DOMENIC J. BELLANTINO Coniston
RODGER BRUNELLE Creighton Mine	MICHAEL OWENS Copper Cliff Smelter	DUNCAN MacKINNON Copper Cliff Mechanical
JOSEPH C. KANE Frood Mine	LEE NASH Frood Mine	ERIC TIPLADY Copper Cliff
PHILIP McINTOSH Open Pit	BERT McFEETORS Copper Cliff	PETE OBBEMA Garson Mine
WILLIAM POHO Levack Mine	HOWARD PETERSEN Levack Mine	FRED RANGER Frood Mine
JOS. P. BIRMINGHAM Copper Cliff	JOHN BILBE Coniston	HAROLD C. IRWIN Copper Cliff
FRED BUCK Copper Cliff—Mechanical	ANTHONY SMRKE Open Pit	J. E. SOULIERE Copper Cliff
ALEX ROY Port Colborne	JOHN MARSH Garson Mine	J. A. MYRE Frood Mine
IVAN PAGE Port Colborne	EMMETT J. DILLON Copper Cliff	JOHN BECKETT Port Colborne
VICTOR RANGER Creighton Mine	HUGH D. PAWSON Copper Refinery	EDGAR GUTHRIE Copper Cliff
WILLIAM S. LOGUE Copper Cliff	WM. COLIN SOULE Copper Cliff	HECTOR J. LECLAIR Copper Cliff
WM. P. MALONEY Frood Mine	FRANK MOYLE Copper Cliff	F. GORMAN TILT Frood Mine
JOS. P. LOWNEY Copper Cliff	J. SAMUEL NETZKE Frood Mine	ALBERT E. CLARKE Levack Mine
JAMES L. MORTIMER Copper Cliff	RAYMOND D. SCOTT Copper Cliff	JOSEPH H. EVELINE Copper Cliff Smelter
WILBERT A. HEALEY Open Pit	JOHN A. WHITEHEAD Copper Cliff	GRAHAM CHABOT Coniston Mechanical



4500 Motors in Inco Service

A total of 4,500 motors, ranging in capacity from 9,000 h.p. to 1/15th h.p., are required to keep the wheels turning in Inco plants of the Sudbury district. The job of repairing and servicing this huge assortment of equipment is part of the responsibility resting on the broad shoulders of Copper Cliff Electrical Department.

About 500 of the 4,500 motors are spares, kept in constant readiness to go into action if a key installation in the operations goes out of whack.

In the accompanying pictures are glimpses of Electrical Department workers and some of their repair assignments:

1. Stan Racicot and Jim Fex are engaged in stripping and cleaning a 200-h.p. rotor which is in service on the Traylor rolls in the Crushing Plant. After tearing it down they withdraw the old coils and replace them with 432 reinsulated coils. Two men require about three weeks to complete this job.

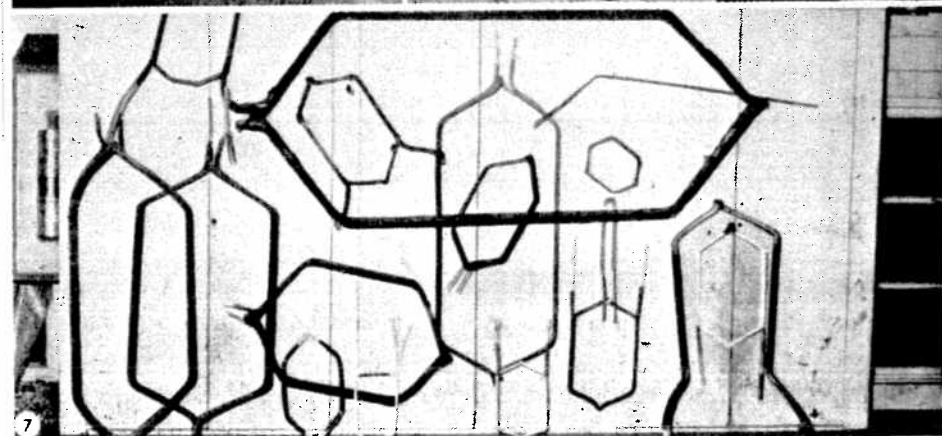
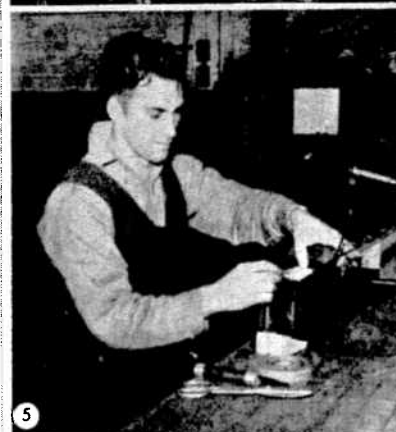
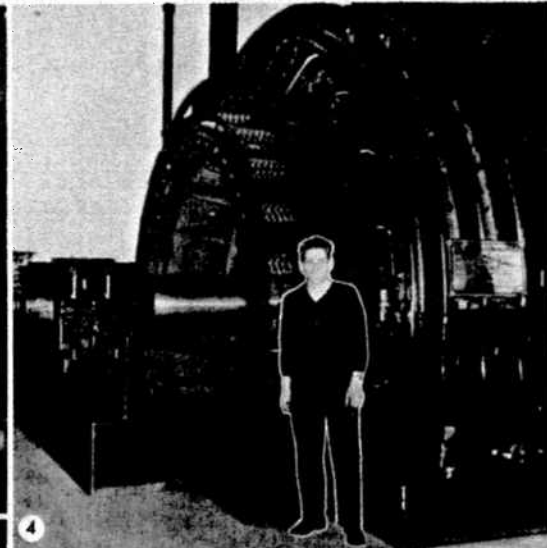
2. George Charland, recently back from the Navy, and Walter Scott are rewinding the 200-h.p. Traylor rolls motor stator. In each of the 114 slots in the stator they must first place an insulating cell into which a new coil is inserted and wedged. The coils are made right in the shop. Then the ends of the coils are braced to a ring and connection is made for 3-phase 6-pole 2,200 volts. This job takes about two weeks.

3. An expert electrician as well as a bridge champ is Bill Beckett, seen here rewinding a 40-h.p. motor from a 5-ton locomotive on the Orford charge floor. Rewinding takes some 60 hours, and is a painstaking job.

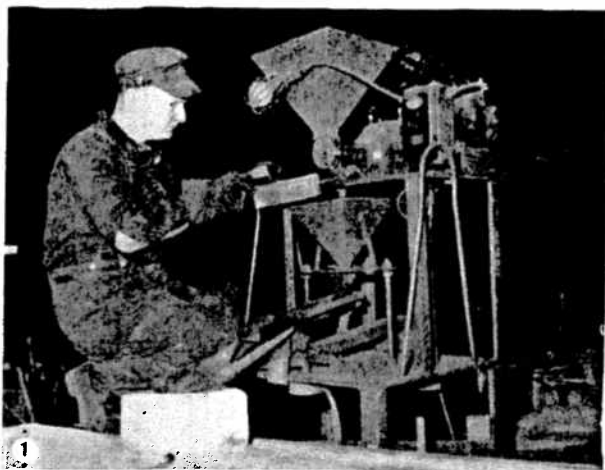
4. Here's the biggest of the 4,500 motors in Inco service, the mighty installation which drives the ore hoist at Frood-Stobie No. 3 Shaft. Millions of tons have been brought from underground by this faithful performer, which is rated at 4,200 h.p. The power house operator standing in front of it is Gordon Disley. Although the largest, this is by no means the most powerful of the Inco motors. That distinction goes to the 9,000-h.p. self-starting synchronous motor driving the 90,000-c.f.m. converter on the blowers in Copper Cliff substation.

5. "Bud" Germa, another veteran of the Second Great War, is seen assembling a small potential transformer used on one of the drills at Frood-Stobie Open Pit.

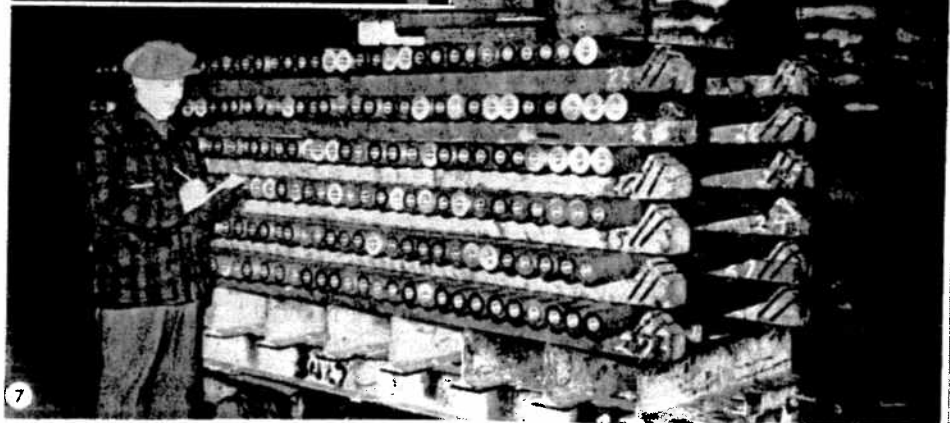
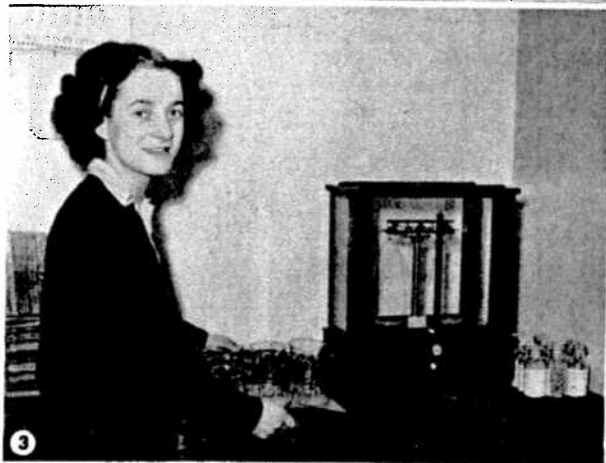
6. The baby of the Inco motor family is



(Continued on Page 16)



Another Example of How Copper Refinery Safeguards High Standard of Products



Phosphorus Billets Need Close Checking

Phosphorus deoxidized tube billets produced at the Copper Refinery and used during the war to a large extent for the fabrication of shell driving bands, have reverted to one of their major peacetime uses—the manufacture of seamless tubing. Common applications of this product are domestic heating and water service piping.

Fabricators' specifications call for exacting physical and chemical requirements in the billets, among which are set values for residual phosphorus content. Billets of three classifications are usually produced, with the phosphorus varying within prescribed ranges. They are cast in 3, 4, 5 and 6-inch diameters, with lengths of 44 and 48 inches.

To meet customers' demands and to assure that the cast product is up to standard, special tests and analyses are made as the billets are produced. Photographs depicting some of the control methods are shown.

In No. 1, Cliff Atkinson checks the discharge of the phosphorus master alloy from the feeder. As molten copper flows from the electric melting furnace through a covered launder system to the heated pour hearth, the alloy enters the stream and is carried to the main body of metal in the pouring chamber. Deoxidization reactions take place at this point and the metal is then cast in water-cooled vertical moulds.

Billets are selected periodically and dispatched to the drill room where samples are secured by drilling. George Favretto performs this operation in No. 2. Drill samples are then sent to the

laboratory for analysis. In No. 3, Hilda Fraser is seen removing a tray of beakers containing weighed samples from the balance room, and in No. 4, Sheila Keegan filters phosphorus precipitate from solutions prepared from the drillings. Phosphorus content of the copper is determined from the weight of the precipitate obtained.

Control of physical quality is improved by means shown in Photos 5 and 6. In the former Mike Shamley determines the density of a typical cast specimen by the water displacement method, and in the latter Ernie Thibeault breaks billets with a hydraulic ram for examination of the internal structure by a member of the metallurgical department.

Jimmy Wilson is seen in No. 7 checking the number of finished billets on a narrow gauge car before release for shipment.

TEAMS VIE FOR TITLES IN FIRST AID

First Aid men—the boys whose “johnny-on-the-spot” assistance can mean the difference between life and death—are all set to strut their stuff in the annual inter-department and inter-plant competitions which top off their winter’s training.

The opening gun of the competitions was fired at Levack on the evening of Feb. 27 when three teams competed for the First Aid championship of the mine. At Memorial Community Hall, Copper Cliff, on Feb. 28, there were four lineups booked to battle for the Reduction Plant title.

The high pitch of Safety interest at Garson Mine was reflected in that camp’s renewal of inter-department First Aid rivalry. Four teams entered the lists on March 1.

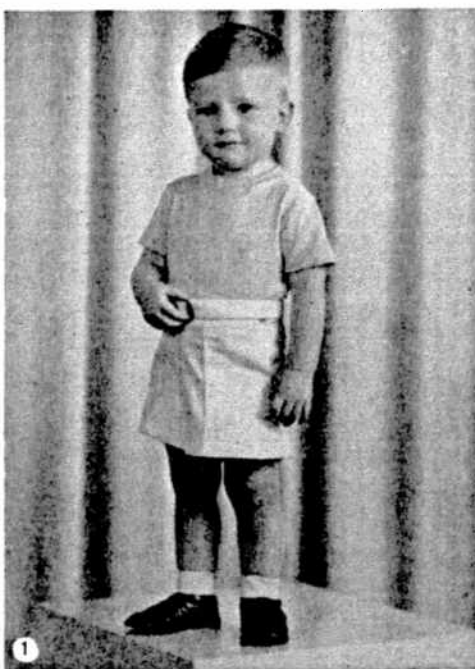
Frood-Stobie Open Pit contest was scheduled for the Inco Employees Club in Sudbury on March 5, with two teams entered. One of the hottest of the inter-department events was the Copper Refinery showdown booked at the Inco Club on March 6 with three teams entered. Runner-up to Frood in the Parker Shield last year, Copper Refinery once again means business in no uncertain manner.

Frood’s inter-department competition is slated for the Inco Club on March 10. Dates for the Coniston and Creighton eliminations were still to be set.

Schedule for the R. D. Parker trophy, emblematic of the Inco inter-plant First Aid championship, gets under way in the main auditorium of the Inco Club on March 18 with the semi-final for surface plants. Underground plants will have their semi-final on March 21, and the grand showdown takes place the night of March 28. It is hoped that there will be a capacity crowd to watch what is regarded as one of the most interesting and instructive competitions in the whole calendar of Inco employee activities.

Approximately 600 enrolled in the annual series of St. John Ambulance classes which commenced last October, although subsequent changes in plant personnel reduced this number considerably. The classes were conducted as usual by members of the Company’s medical staff, assisted by plant First Aid men, and a total of 225 were successful in passing the examinations at the conclusion of the course.

THE LENS LOOKS AT YOUNG INCO



Here’s brawn and beauty in abundance.

No. 1 in this quintet of young Incoites is Donald Henry, 1½-year old son of Mr. and Mrs. Gordon Henry of Copper Cliff, looking as if he’s about to deliver the Gettysburg address, or take on Joe Louis, or sumpin’.

The young lady with the sweet expression in No. 2 is Joanne, 3½-year old daughter of Mr. and Mrs. Norman Anderson of Frood.

The chuckling person in No. 3 is another Joanne, 20 months old and the daughter of Mr. and Mrs. Fred (Open Pit) Maitland.

And in No. 4 are John, 3½, and Mary 1½, rulers of the roost at the home of Mr. and Mrs. Ernie (Copper Refinery) Rabreau.

We want to print more pictures of good-looking young Canadians like these. How about sending along a portrait of YOUR pride(s) and joy(s).

We must learn to forgive people for what they are. People cannot be made over by outsiders. That’s a job they have to attend to themselves.

—Nashua Cavalier.

“THREE MUSKETEERS” GET NOD FROM LONDON

Fame of Copper Cliff’s “Three Musketeers” has spread far and wide.

Writing in “The Maple Leaf,” daily newspaper published for the Canadian Army forces in Britain, Sam Koffman said in his sports column on Feb. 9:

18-KARAT KIDS

From Copper Cliff, in Ontario’s Northern mining belt, comes a story with a tang to it. About three youngsters, Cooney and Flynn and McClellan who started playing together at the age of ten and are still together as first string line with Copper Cliff Redmen in Sudbury’s Junior “A” hockey league.

Eight years ago Paul Haynes saw them and ordered them packaged for delivery to Montreal Canadians in 1948. It is just possible that the trio, each now 19, will hit the N.H.L. that season.



Many Father-and-Son Teams Building Tradition of Service

ONE sure indication of the permanence and stability of an enterprise is the way in which it has put its "roots" down into the area where it is located. Where you find succeeding generations of families working side by side, there you find the atmosphere of trust and co-operation which builds enduring industry.

Although it is still young compared to the great enterprises of the Old Country, Inco nevertheless is steadily acquiring family traditions of which it is justifiably proud. The roll of Inco workers contains dozens of "father and son" combinations whose family names have become bywords for loyal and faithful service.

Many of the veteran dads have been with the Company since its early days, and they take pride in the industry which they have helped to build and in which their sons are now sharing responsibilities and traditions. The fibre of a nation's greatness is woven of such stuff.

In the layout on the opposite page are a few of the "father and son" teams prominent among Inco workers today.

1. Familiar figure along Reverberatory Row in the Copper Cliff Smelter is Giuseppe Cappelletti (centre), tapper on the copper reverbs and an Incoite since away back in April of 1911. With him are his sons: Nello, member of the bricklayers' gang who joined the Company on June 27, 1934, and Aurelio, tapper on the nickel reverbs, whose service dates back to July, 1923.

2. At Coniston George Baby (left) started with the Mond Nickel Co. first in 1908, knocked off in 1913 for a four-year interval, and returned in 1917; he's been on the job there since that time and is a brakeman on the charge floor. His son Bill started with the Company in 1934 and is now a scale clerk.

3. Just by way of being different, it's the son who is the "old-timer" with Inco as far as the Clements family at Port Colborne is concerned. Pat, on the left here, joined the Nickel Refinery force in 1929; he returned recently after a four-year stretch with the Navy as Sick Bay Attendant. His dad, the well-known Mike Clements, on the right, became an Incoite in 1930. Both work in the Electrolytic Building. Another son, John, who was in the R.C.A.F. and is now enrolled at McGill in Electrical Engineering, was on the Inco force between school terms up to 1940.

4. Joe Tymchuk, popular dryman at Frood, says he'll stack his three youngsters up against any other Inco family trio for money, marbles, or what-have-you. After a glance at the husky Tymchuk entry you'll agree that Joe should get at least a run for his money. Beaming centre of the family group, he first worked with Mond Nickel at Victoria some 40 years ago. On the left is Bill, deckman at Frood, who joined Inco in 1941; standing is Mike, flotation operator in Copper Cliff Concentrator since 1935; on the right is John, raise driller and deckman at Frood, whose service dates back to October of 1933.

5. In the machine shop at the Copper Refinery John Ray (right) explains some of the fine points of welding to his two fellow-Incoite sons. Formerly a boilermaker with the C.P.R., John has been a Refinery worker for more than 10 years. Ronald, on the left, came to the Company from technical school in Sudbury and has served three and a half years of his apprenticeship in the machine shop. Norman, centre, is a machinist and has six years' service to his credit.

6. Here's another Copper Refinery combination. On the left is John Katarincic, well-known tankhouse worker for the past 12 years, showing a cathode of electrolytic copper to his son Paul, spare operator on the casting wheel, who has been with the Company for two and a half years and formerly worked underground

at Frood. Another son, Mike, is still with the Army.

7. In the machine shop at Port Colborne Bob Cochrane demonstrates lathe operation to his son Jack. With the Company since 1923, Bob saw service with the Navy during the Second Great War, receiving his discharge last December. Young Jack joined Inco three years ago, is a lead burner, and needs no introduction to Port Colborne hockey fans as a very promising young player.

8. In operation only since early 1939, Frood-Stobie Open Pit cannot boast as many "father and son" teams as the older Inco plants, but here's one winner. On the left is Nick Zaitz, drill runner, who formerly saw service at Creighton and has been with Inco a total of 19 years. His son Tommy, also known as Zeke, has been a member of the Pit survey crew since he graduated from Sudbury Mining and Technical School almost three years ago.

9. Another prominent name on the Inco rolls at Coniston is that of the Gervais family. Hector, on the left, has been on the plate shop force for almost six years; Jean Paul, in the centre, is the "baby" of the family in point of Company service with four years in the Carpenter shop; Leo, head of the family, is a veteran of 16 years in the carpenter shop.

10. Honored veteran of the underground at Creighton Mine is Carlo Mynerick (right), infallibly good-natured and always ready for a rib at punching-out time. A blockholer, he has been a Creighton standby since 1925. Young

John, his son, is carrying on in the mining tradition, and has been on the Creighton roll since 1940. He served three years in the Navy.

11. Here's a clock-alley parade of the Pilon brigade, at Copper Cliff Concentrator. Patriarch of the tribe is Isidore Sr., rightfully at the head of the procession. He retires on Company pension next May with more than 30 years of meritorious Inco service, 16 of which he spent at Coniston. Next in the lineup is Isidore Jr., who isn't doing so badly himself with more than 22 years to his credit; he is a flotation operator and formerly worked in the Coniston sinter plant. Last but, he says, by no means least is Jerry, who this spring will complete his third year with the Company.

12. Whether ye tak' the high road or the low road, and no matter who gets to auld Scotland fir-r-rst, ye're sure to bump into someone along the way who knows of Alec McIntyre. It may be as a curler, or a gardener, or a flagpole raiser, or first-footer, or as a top-notch electrician, but it's a cinch they'll have heard of the McIntyre. Pictured at the right with his Barrymore profile modestly turned to the camera, Alec has seen 36 years of day-or-night storm-or-shine service with the Copper Cliff Electrical Department. Photoed with him is his son Bob, who is ably carrying on the family tradition, having been a member of the same department since May of 1932. Another son, Harry, who was making a fine name for himself with the Mines Department, gave his life with the Air Force in the Second Great War.

13. Seen here checking up on son Bill in the Garson machine shop is Jack Bell, who next June completes 34 years in the steel shop. Bill, who joined Inco nine years ago, was almost five years in the Navy, seeing action on corvettes, destroyers, and minesweepers. One of his ships was the Ottawa, which was sunk in 1942 in the North Atlantic.

The people who appear in these pictures were picked at random, but we'll venture to say no other industry in Canada boasts a finer representation of solid citizens. And, incidentally, their total Inco service is about 500 years.

DON'T BE DECEIVED BY THOSE INNOCENT SMILES



Behind those friendly grins lurks the bitterness of despair, the exultation of triumph as a group of Copper Cliff curlers study "the house" during a Collins Cup Contest. The synthetic Scot in the centre is Pete Bregman, and standing in the semi-circle are, left to right, Buster Henderson, Arnold Ross, Ivan Bowman, Bob Saddington, Stoney Stoneman, and Jim Parlee.



Teen-Agers Score Big Hit With "Pinafore"

Entertained at regular Saturday night parties arranged for them in the Inco Recreation Club at Port Colborne, Teen-Agers of the town took over the Club the night of February 12 and did some entertaining themselves. To the complete satisfaction of a capacity audience they demonstrated that they can give a good time as well as have one.

Nothing less than a full-dress presentation of the famous Gilbert and Sullivan opera "H.M.S. Pinafore" was the treat the Teen-Agers produced under the direction of Raymond Coughlan. It was a great success, both musically and dramatically, and it was also an eye-opener to hundreds of citizens who had no idea the town possessed so much splendid young talent.

The average age of the cast of 48 was less than 16 years but the performance often showed almost professional polish, and what it may have lacked now and then in maturity it more than made up with youthful verve.

Staged by the boys and girls in aid of Port Colborne Memorial Hospital, the show netted \$300 for this worthy cause.

The Port Colborne public will be glad to learn that the cast intends to carry on as a Young People's Operatic Society after such an auspicious start, and will probably present Gilbert and Sullivan's "Mikado" next.

In the picture layouts on these two pages are glimpses of the gifted young performers, on stage during the show and also backstage before curtain-time.

1. Buttercup (Joy Boneberg) tells all. The





little seller of knick-knacks aboard the ships in Portsmouth harbor reveals that many years before, as the operator of a baby farm, she switched two infants in their cribs. The sailor of lowly birth, loved in vain by the heroine of the play, is in reality a completely eligible patrician, and the heroine's father is actually the one of low station. So everybody is happy. The four principals appearing "up front" in the picture are, left to right, Sir Joseph Porter (Sandy McNay), First Lord of the Admiralty; Hebe (Betty Cross), Sir Joseph's first cousin; Josephine (Dorothy Cole), the Captain's daughter; Buttercup (Joy Boneberg).

2. Dick Deadeye (Don Horne), the incorrigible seaman whose great delight is to put a crimp in the course of true love, gets in some of his snide propaganda. Left to right are Dick Deadeye and Hebe; Ralph Rackstraw (Anthony Rossi), the lowly tar who aspires to Josephine and, thanks to Buttercup's confession, finally gets her; Buttercup.



3. "Fair moon, to thee I sing." Robert Kanold as the Captain mounts the bridge of his ship and sings one of the finest solos of the show. Both he and Don Horne (a gifted comic) are 20, served overseas in the R.C.A.F.

4. Lovely young Dorothy Cole's soprano voice was a standout of the opera. Daughter of Captain Chas. Cole of Sarnia Steamships, and Mrs. Cole, she is only 15 years of age; if she continues her musical studies she will see her name in lights before long. She is seen here singing the beautiful ballad "Sorry her lot who loves too well."

5. The difficult musical score of "H.M.S. Pianfore" was played to Paderewski's taste by the talented two-piano team of Mrs. Wm. McIntosh and Mrs. Stewart Mewburn, whose husbands are both well-known Inco men.

6. Director Raymond Coughlan and his father-in-law, Cecil Bentley of Niagara Falls, who assisted as prompter. A graduate of the Royal Academy of Music when he was 15. Mr. Coughlan also studied in Paris and Leipzig. He is supervisor of music in Port Colborne schools. Many members of the cast study voice under him.

In the second picture layout on Page 9 are seen:

1. A group of sailors aboard "H.M.S. Pianfore": at the back, Charles Boneberg and Tom Little; centre row, Howard Paige, Frank Godak, Robert Beck, Dan Barrett, Ron Win-

(Continued on Page 11)



Dinner Party Honors Bride-elect Marg Elves



Back to her native Sunny Alberta this month went Miss Margaret Elves, to become the bride of Leslie Ingle of Lethbridge. Secretary to Vice-President R. L. Beattie since the retirement of Miss Edna Browne in December, 1944, Miss Elves rated tops for efficiency and popularity at Copper Cliff, and her departure is sincerely regretted. This picture was taken at a dinner party given in her honor at the Copper Cliff Club by the Glamour Department of the general office. Back row, left to right: Louise Schofield, Cora Sykes, Mary Whalen, Dorothy Campbell, Irene Lindberg, Alva Perlini, Nora Bargnesi, Joyce Mulligan, Marion Depew, Dina Minardi, Dolina DeSoto, Irene Mathe, Noreen Smania, Ethel Lyman; centre row: Mary Owens, Dorothy Dopson, Eleanor Hambley, Lorna Mutz, Monica Keast, Margaret Elves, Betty Gathercole, Mary Coleman, Audrey Lyman, Grace Figg, Marion Stedman; front row: Joan Torrance, Rheta Sauriol, Elsa Tramontini, Margaret Frey, Ann Johnston, Betty Spencer, Phyllis Winters, Beulah Noble.

HOW IS YOUR BRAIN-POWER?

The following test is used by the Bethlehem Steel Company with two and three quarters hours allowed for its solution. There is positively no catch to it and every fact is relevant and must be considered. If you are exceptionally intelligent, you can solve it in five minutes.

A train is operated by three men named Smith, Robinson and Jones. They are fireman, engineer and brakeman, but not respectively. On the train are three business men of the same names, namely, Mr. Smith, Mr. Robinson and Mr. Jones.

Mr. Robinson lives in Detroit.

The brakeman lives half-way between Chicago and Detroit.

Mr. Jones earns exactly \$2,000.00 a year.

Smith beat the fireman at billiards.

The brakeman's nearest neighbour, who is one of the said business men, earns exactly three times as much as the brakeman, who earns \$1,000.00 a year.

The passenger whose name is the same as the brakeman's, lives in Chicago.

WHO IS THE ENGINEER?

(Answer Next Month)



COPPER CLIFF

Leslie G. Allen (Army), David Barnes (R.C.N.V.R.), George W. Bodson (Army), J. Kenneth Bourne (Army), Elie Brunette (Army), Robert Carriere (Army), Pierre J. Chartrand (Army), Robert Clark (Army), Baptista Comin (Army), George Crawford (Army), Edgar Dempsey (Army), Patrick J. Fitzgerald (R.C.N.V.R.), Frederick E. Gilpin (R.C.N.V.R.), James C. Glade (Army), William Jones (Army), Earl Kennedy (R.C.N.V.R.), Xavier Labre (Army), Joseph E. Laderoute (R.C.A.F.), Joseph P. Levesque (Army), Lucien Marier (Army), Harry Moore (Army), William H. Morrison (R.C.N.V.R.), William MacKay (Army), Howard O'Brien (Army), Norman R. Ripley (R.C.N.V.R.), Tarciso Tomassini (Army), Thomas Urwin (Army), John Wulff (Army), Eugene Berton (Army), Reid Brennan (Army), George Clare (R.C.N.V.R.), Angelo Crema (Army), Robert Davis (Army), Lionel Desjardines (Army), Diston R. Greigg (Army), George A. Larocque (Army), Andrew Lavery (Army), Hubert Mayo (Army), Tiziano Oliver (Army), William J. Smith (R.C.N.V.R.), Ilio Tramontini (Army), Wallace Urwin (Army), Gordon C. Willis (Army), Jacob Wolchuk (Army), Archibald Clinton (R.C.A.F.), Unto J. Lahti (Army), Charles M. Stephenson (R.C.A.F.), Jean Laberge (Army), Orville Hickey (R.C.A.F.), William McPherson (R.C.N.V.R.).

FROOD

Gordon Boivin (Army), Bernard Boyle (Army), Joseph P. Carriere (Army), Gerald Dault (Army), Lawrence Denis (Army), Woodrow Hackett (R.C.N.V.R.), Harry Harrower (Army), George Mitchell (Army), Harry T. Olive (Army), Joseph Parent (Army), Harvey K. Powell (R.C.A.F.), Ernest Dixon (Army), Thomas Jelenic (Army), Alex. F. Killah (Army), Ernest Liddicoat (Army).

OPEN PIT

Joseph H. Austin (Army), Kenneth W. Cleminson (Army), Fernand Dionne (Army), Hubert Bouchard (Army), Victor Bouffard (Army), Ferruccio Boscariol (Army), James Gamey (Army), Toivi Kujanpaa (Army), Sulo Mattinen (Army).

CREIGHTON

Paul J. Brouzes (Army), Lionel C. Caldwell (Army), Emil Florkosky (Army), George A. Lang (Army), Edwin Mayer (R.C.N.V.R.), Charles E. Rusk (Army), Harold M. Whittles (R.C.A.F.), Joseph W. Leduc (Army), Edmond Legault (Army), Joseph H. Bruneau (Army), Albert D. MacDonald (Army), Ovide Lachapelle (Army).

GARSON

Fred Jones (Army), Lloyd Kirkpatrick (Army), William F. Frame (Army), Raymond Lavoie (Army), John A. Manning (Army), Anthony Ochoski (Army), Edward Lachapelle (Army), Charles D. Ross (R.C.N.V.R.).

LEVACK

Richard D. Lawrence (Army), William B. Sproule (Army), John H. L. Winn (Army), Edwin O. Kauppinen (R.C.A.F.).

GENERAL

Neil Birney (Army), Bertram Debney (Army), John McNeil (R.C.A.F.), Gregor H. Roy (Army), Andrew Spy (Army), John

The use of the head abridges the labor of the hands.
—Henry Ward Beecher.

Edward Brodie (R.C.N.V.R.), Peter H. Jack (R.C.N.V.R.), Harold Guse (R.C.A.F.).

CONISTON

Norman Barazzuol (Army), Adjutor Belanger (Army), Angelo Franchetto (Army), Herbert C. Patterson (R.C.N.V.R.).

HIGH FALLS

Richard Robb (Army), Percy L. Gravelle (Army).

POLICE

Raymond Jos. Brennen (Army), Herbert Walsh (R.C.A.F.), J. Paul Dugal (R.C.A.F.).

COPPER REFINERY

Clark K. Burlingham (R.C.A.F.), Patrick C. Morris (Army), Leo J. R. Pearce (Army), Andrew George Martin (Army), Michael

Merenich (Czech. Army), John Tomas (Czech. Army).

NORDALE

Aurele Henri (Army).

PORT COLBORNE

Robert Ramey (Army), Frank Russell (Air Force), Jack Eden (Navy), Kenneth Evoy (Army), Wm. Burgess (Navy), Lester V. Minor (Army), Peter Vargo (Army), Alex McNay (Army), Henry Cook (Army), Jack Holmes (Army), Roland Durand (Army), Jack Bossie (Army), Walter Stoner (Army), Don. Davison (Army), Allan Hutchinson (Army), Steve Cuthbert (Air Force), Arthur Weaver (Army), Rocco Ferri (Army), Louis Bernache (Army), Geo. Butler (Army), Geo. Kern (Army), Geo. Liddon (Army).

Books are Favorites of Dr. Harris



Respected in his profession as an exceptionally well-read medical man, Dr. R. B. Harris by no means confines himself to professional subjects. His taste in books in catholic, and he reads prolifically. The picture was taken in his quarters at Copper Cliff Hospital shortly before his retirement on Jan. 30.

"DOC" HARRIS COUNTS HOST AS FRIENDS

Fame is a capricious thing, and those who seek it least usually attain it best. Modest, unassuming "Doc" Harris, quietly practising his profession in Sudbury district for more than 35 years, will not be forgotten in hundreds of homes as a skilled physician, wise counsellor, and steadfast friend.

When he retired from the Inco medical staff on Jan. 30, Dr. Harris was honored at a large gathering at the Copper Cliff Club, to which came people from all sections of the community. Presentation was made to him of return plane reservations to Florida, where he planned to spend a well-earned rest before coming to live in Sudbury.

Born in Charlottetown, P.E.I. on Feb. 27, 1880, Robert Burrows Harris was the son of a Methodist minister. His nickname was "Bert" except at times of crisis when he was summoned to his father's study; then it was a crisp and unmistakable "Robert!"

His father had come from Devon, his mother from north Cornwall. There were eight children in the family, and how his father ever managed to make ends meet on a salary sometimes as little as \$400 a year is something his son still can't understand.

The life of a minister was one of many peregrinations, and "Doc's" early education was acquired at Mount Albert, Cookstown,

Greenwood, Whitby, and Campbellford. He finally matriculated at Picton Collegiate. When the family moved from Cookstown to Greenwood he and his sister Miriam drove his father's horse and buggy the weary 70 miles; it seemed more like 100.

Although his parents would have liked to see him enter the ministry, the young man had set his heart on the practice of medicine. He enrolled at the University of Toronto, and graduated in 1902. During the summer vacations he hoed turnips for 50 cents a day, drove a livery wagon, or turned his hand to anything that would help pay his way through university.

Commencing practice at Huntsville in 1904, "Doc" got a taste of the lumber camp life in the district and liked it. He moved to a depot about 35 miles north of Massey from which some 25 logging camps were supplied. The little log hospital had four beds; when "Doc" wasn't using his, which was often, there were five. Riding horseback in the fall and sleigh in the winter, he travelled from camp to camp, prescribing and patching. Pulling teeth, he says, was the hardest part of the job.

His next practice was at Blackstock, 16 miles north of Ottawa in a settlement of North of Ireland people whom he found to be the soul of hospitality. He spent two years there, then answered a newspaper ad and was off for Copper Cliff, where the Canadian Copper Co. needed another physician. He arrived there on Feb. 11, 1911.

First stationed at Crean Hill and then at Frood, he was transferred to the hospital staff at Copper Cliff in 1913 and remained there until his retirement with the exception of his

service in the First Great War. Although the same size as it is now, the hospital then was a far cry from today's modern institution as far as equipment and accommodation was concerned. The Company doctors did much skilful pioneering in industrial surgery and medicine, blazing the trail of the healers.

Enlisting in March, 1917, with the Medical Corps, "Doc" went overseas as a captain and served a year at the Granville Hospital at Buxton, England, and then went into France, Belgium, and Germany with the troops. He was stationed with a medical unit at Bonne, Germany, for three months at the conclusion of the war, and returned to Canada late in 1919 to resume his post with the Inco medical staff.

He was the first president of Copper Cliff Branch of the Canadian Legion in 1933, and created something of a record by his continuous re-election to this post until he retired in January. He is honorary colonel of Copper Cliff Highland Cadet Corps.

In earlier days a keen performer at tennis, golf, curling, and other sports, he has in more recent years concentrated on bridge. Citizens like W. T. Waterbury, Robin Gray, and H. J. Mutz will testify to his generalship at the card table. His chief pleasure is the summer camp he built at Birch Island in 1929, and marked by a 60-foot flagpole of native jackpine which was raised at an historic ceremony in 1932. After his Florida holiday, a vacation he has always wanted, he will return to Sudbury for the winters; the summers will find him at Birch Island, lazing about in camping clothes and chuckling at the fishing feats of the friends who come to visit him.

In his 35 years he estimates that he officiated at the births of at least 2,000 new Canadians. An old refrain to him is the agonized appeal of the expectant father during the time of travail: "Doc, for God's sake do something!" But for all that he never lost a father.

It's been a great life, "Doc" says. "I wouldn't have traded it for any other."

Nor would R. B. Harris be traded for any other, by a host of friends.

Teen-age Hit

(Continued from Page 9)

ger, Doug Minor, Don Horne; kneeling, Stanley Ceply, Ernie Kettle, and Gerald Guinter.

2. Four of Sir Joseph Porter's "sisters and his cousins and his aunts": from the top down, Monica Broadhurst, Theresa Broadhurst, Wilma Wegrich, and Lenore Ross.

3. A quartet of tenors, in full voice: Anthony Rossi, Don Noxell, Jack Davis, and Ron Winger.

4. In the chorus dressing room Mrs. D. Farrar applies finishing touches to Diana McWatters' makeup while Frances Colangelo looks on.

5. Evelyn Pettick combs her tresses with Grace Haines holding a watching brief.

6. Makeup-man Don Grant lays on the grease-paint to transform Don Horne into Dick Deadeye. Sandy McNay, who scored a real hit as Sir Joseph Porter, criticizes the operation.

7. Mrs. Raymond Coughlan, wife of the director, was another very busy person backstage. Here she performs on Muriel Kemp.

8. Joan Rodgers does things with the lipstick.

9. Miss R. Current "buttons up" Marian Henry. The costumes came from Mallabars, Toronto.

10. Bill Ross steadies the steps to the captain's bridge while Alex McNay makes a last-minute safety inspection. They assisted Harold Parker and the boys of the cast in building the realistic stage setting for the show.

Besides the evening performance on Feb. 12, the cast staged a matinee that afternoon for the children, and also gave performances in Ridgeway and Welland.

Changes in Personnel at Port Colborne

Associates in the nickel industry which he had served with distinction for more than 36 years, and leaders of the community in which he had been an active citizen since 1922, honored H. W. Walter at a testimonial dinner in McGillivray Hall, Port Colborne, on his retirement as superintendent of the Nickel Refinery. With their ladies they paid tribute to the respect and popularity which Mr. and Mrs. Walter hold in their town.

W. J. Freeman presided as chairman of the informal gathering. Speakers expressing the esteem of the community included Mayor H. H. Knoll, L. M. McDonald, Russell T. Northcote of Welland, W. J. McCulloch of Hamilton.

Dr. J. F. Thompson of New York, executive vice-president of Inco, acknowledged the Company's debt to the co-operation and loyalty of men such as H. W. Walter, who had made Inco their life work. Vice-President R. L. Beattie, Copper Cliff, spoke of the organization and good faith which the retiring general superintendent had inspired at Port Colborne, and R. C. McQuire, successor to the position, spoke in the same vein. J. C. Nicolls of Toronto and R. L. Peek of Grimsby bespoke the esteem of old Inco associates.

R. C. McQuire, new general superintendent of the Port Colborne Refinery, has been with the Company since 1929. Born at Webbwood, in the Sudbury-Soo district, on Feb. 17, 1895, he is the son of Mrs. H. F. McQuire, 65 Duncannon drive, Toronto, and the late Mr. McQuire. He is one of a family of four boys and one girl.

R. C. McQuire received his public and high school education at Parry Sound and was employed in clerical work with the maintenance department of the C.P.R. for two years prior to entering Queen's University in 1913. He graduated in science in the class of 1917 and took post graduate work in metallurgy in 1918.

During his third, final and post-graduate years, he conducted research on copper, cobalt and nickel. It was in connection with this research work that he was sent by Prof. Kirkpatrick to the Missouri Cobalt Co., in southern Missouri as chemist and metallurgist. After two years there he returned to Canada as superintendent of the Nickel electrolytic department of British-American Nickel Co., at Deschenes, Que., under R. L. Peek who also joined the Inco organization at a later date. During his last three years with the British-American Co., "Mac" was general superintendent of the plant. He returned to the United States and engaged in metallurgical and chemical work for five years.

In 1927 he returned again to Canada and did chemical and metallurgical work for British Metals Corporation and went to Noranda in 1928 to help start the roasting department. He came to Port Colborne with International Nickel Co. in 1929 in the calcining and sintering department and was named assistant superintendent of that department in January, 1930, and superintendent of the department in June the same year. He was appointed works superintendent in September, 1937, and assistant to the general superintendent in January, 1939.

In 1916 at Kingston he married Mildred Augusta LaRush. Mrs. McQuire died unexpectedly Nov. 9 last. They have four children, Ralph Douglas, assistant superintendent of Aluminum Co., of Canada at Arvida, Que.; Jack C. McQuire, assistant chemist in the general laboratory at the Inco refinery here; Mrs. K. R. Messer (Edith) London; and Miss Elinor

MORE ARROWS FOR HIS BOW?



In addition to a radio, H. W. Walter was presented with a box of golf balls by W. J. Freeman on the occasion of his retirement at Port Colborne. There may, or there may have not, been some suggestion that the former general superintendent frequently "takes to the woods" on his fairway shots, but he could afford to smile: the boys have paid plenty of nickels to watch his magic putter at work. In the right foreground, Mrs. James Walter, daughter-in-law of the man with the magic putter; R. L. Beattie, one who may have contributed from time to time; Mrs. H. W. Walter.

McQuire who is at present taking the hospital technician's course at Victoria hospital, London.

"Mac" is a member of First Presbyterian church; member of Port Colborne Country Club; a member of the board of directors of Port Colborne memorial hospital; a professional member of the American Institute of Mining and Metallurgy and a professional member of the Association of Professional Engineers of Ontario.

W. J. Freeman, now assistant superintendent of the Port Colborne plant, is a member of an Inco family, the service of his father, the late W. J. Freeman, Sr., his uncle, the late Isaac Bates, and himself totalling over 127 years. Mr. Freeman has been with the International Nickel Co., except for a year's service with the United States Army Air Corps, in the First World War, since 1915. His father had been employed with the Company for 43 years and two months at the time of his retirement as works superintendent at Port Colborne, on Feb. 9, 1934. His uncle, Isaac Bates, had served the Company 43 years and five months at the Bayonne, N.J., and Huntingdon, W. Va., plants at the time of his retirement.

Bill was born at Bayonne, N.J., March 25, 1896, son of the late Mr. and Mrs. W. J. Freeman. He attended public and high school at Bayonne and entered the employ of International Nickel Co. on October 10, 1915. He left the Company for service in the United States Army Air Corps and returned to their employ on January 3, 1919, being sent to the Port Colborne refinery, succeeding Edward Harper, whose death occurred about that time, as superintendent of refining. He held that position until January 1, 1921, when he became superintendent of the cupola and converter department until December, 1923, and returned to the nickel refining January 1, 1924, continuing as superintendent of refining until March 15, 1929, when he became second assistant general superintendent of the plant.

He has been a member of Central United Church board of stewards and choir for some years. He is a member and past president of the Port Colborne Lions club; member and past president of the Port Colborne Country Club and a member of its board of directors; a member of Macnab Lodge, A.F. & A.M., and a member of the Canadian Institute of Mining and Metallurgical Engineers. He was a member of the executive and chairman of the industrial committee of the War Finance committee throughout the nine Victory Loans.

On September 1, 1920, at Westfield, N.J., Bill was wed to Mabel Babion, daughter of Mr. and Mrs. A. J. Babion of Humberstone township. They have one son, Robert Freeman,



RECALLS PIONEERING

Dr. John F. Thompson, Inco executive vice-president, recalled the infancy of Monel metal in reviewing H. W. Walter's 36-year association with the Company; they were among the small group of pioneers which watched the new nickel-copper alloy grow to great industrial stature following its discovery by President R. C. Stanley. At Dr. Thompson's right is R. C. McQuire, new General Superintendent at Port Colborne.

in his third year in metallurgy at University of Toronto and one daughter, Mrs. M. P. Hebert (Shirley), Port Colborne.

An athlete of ability, Bill was prominent at first base on Port Colborne baseball teams some years ago. He was champion of the Port Colborne Country Club in 1944 and a runner up to the champion on several occasions. His hobby is photography, both stills and movies.

Other personnel changes included the appointment of Wilf Cook as assistant to the superintendent and Allin Harvie as mechanical superintendent.

Plug-Ins Stymie Old Man Winter at Parking Lots



Old Man Winter is stymied as far as Inco employees' cars are concerned. The prolonged cold weather with which the old boy has plagued Sudbury District this year hasn't yielded him anything like the harvest of stalled motors he would like.

A total of 700 electrical plug-ins, installed

Popular People at Levack



The Women's Auxiliary of Levack Employees' Club, responsible for the delicious lunches which are served at various community affairs, is probably the most deserving and least publicized group in that town of many activities. Here they take a bow: Front row, left to right, Mrs. Jean Stephenson, Mrs. Betty Adam, Mrs. Clem Kennedy; back row, Mrs. Alice Davidson, Mrs. Coreen Thrall, Mrs. Nona Thoms.

by the Company on the parking lots at the various plants, is the answer. When Inco workers come off shift their car engines are ready for the road, no matter what the weather.

Tom Quinlan of the Roaster Department in Copper Cliff Smelter, seen in the top picture "unhitching" his trusty steed for the ride home after shift, is particularly enthusiastic about this handy special accommodation; he lives at Minnow Lake. Another long-distance commuter who appreciates a warm engine when he steps on the starter is Johnny Boni of the Orford cupolas, who lives at Coniston and is photoed in the second snap.

Largest number of plug-ins is at the main parking lot at the Smelter, where there are 170; Frood has 120, Copper Refinery 94, Creighton No. 5 Shaft 68. Others are provided at Murray, Coniston, Levack, Stobie, Creighton No. 3 Shaft, Garson, and the general office.

Research Section Established at Toronto Office

The International Nickel Company of Canada, Limited announces the formation of a Development and Research Section at 25 King Street West, Toronto. This Section of the Company will be staffed by Dr. Gordon S. Farnham, A. S. Tuttle and H. J. Butterill. The function of this Development and Research Section will be to extend to Canadian industry a complete consulting and technical

service on metal problems. Naturally, it is particularly well posted on nickel and nickel alloys, their properties and field of usefulness. The Canadian Section will be closely allied with and have available to it, the facilities and broad experience of the United States and British Divisions.

Gordon S. Farnham, Ph.D. (Manchester), B.A., M.Sc., (Queen's), has, most recently, been Chief Metallurgist, Department of Mines, Ottawa, and has gained an international reputation in the metallurgy of iron and steel.

A. S. Tuttle, B.Sc. (Mechanical Engineering), was for three years with the Engineering Department of Canadian Westinghouse and, more recently, with the Metals Control, Ottawa.

Major Butterill, B.A.Sc. (Metallurgical Engineering, Toronto) was until recently, Chief Design Officer, The British Ministry of Supply, on light anti-aircraft guns and rockets.

The Development and Research Section will welcome questions relating to the use of metals and alloys, particularly where strength-weight ratio, corrosion, erosion, or high or low temperatures are involved.

SAWDUST FROM THE OLD MILL

- The poorest people in this world are those who think only in terms of profit.
- The average man is like a match. If he gets lit up he loses his head.
- "There is no money in heaven," declares an evangelist. This probably explains why so many people go to hell trying to get some.
- It is a mistake about married men living longer than unmarried men—it just seems longer.

Badminton Becomes a Major Activity at Levack Club



Enjoying the best season since its inception, Levack Badminton Club has a large and keenly enthusiastic membership which is making full use of its allotted time at the Employees Club. Recently the Levack and Copper Cliff badminton groups played home-and-home matches. The picture, taken following the games at Levack which resulted in victory for the Cliff 30 points to 10, shows: front row, Mrs. Ella Smith (CC), Vivian Gauvriel (L), Mrs. Rita Hawke (L), Mrs. Gwen Dunbar (CC), and the following of Levack, Mrs. Marjorie Gilchrist, Ida Gobbo, Mrs. Nora MacCoy, Mrs. Corrine Fisher, Mrs. Nona Thoms, Mrs. Gladys McIvor, Ethel Koski, Mrs. Verna Mallette; centre row, Mrs. Muriel Byer and Isabel Spalding (CC); these from Levack: Mrs. Mary Ribic, Lillian Mallette, Betty Morin, Mrs. Phyllis MacDonald, Helen Bobby, Sophie Oraby; these from Copper Cliff: Mrs. Dolina DeSoto, Rosemary Owens, Naomi Perras, Isabel McDonald, Fern Toppazzini, and E. C. Lambert; back row: Ken Taylor, Norm Hawk, Johnny Mihajic, Ed. Southcott and Dr. Cowan of Levack; Owen McDermott (CC), Alf Mallette, Joe Ribic and "Champ" Piakoski of Levack; Fred Burchell (CC); Ed. McIvor and Ed. Kauppenin of Levack; Walter Wilson, Army Didone, Bill Desoto, Len Turner and George Syer of Copper Cliff; Bill Lawton (L); Buster Montgomery and Ginny Bertulli of the Cliff.

Palladium—THE EXQUISITE SETTING FOR MILADY'S JEWELS

Ads are appearing these days in the "slick paper" magazines, extolling the beauty and rarity of palladium in jewelry. Inco's ores have made Canada the world's leading producer of the platinum group of metals, of which palladium is a member, and Incoites will be interested in the following description by a poetic advertising man of one of their products:

Do you know what palladium looks like? Where it comes from? What it really is? There will come a day when the word palladium will evoke an immediate image of rarity, loveliness, desirability. It will be, like platinum, diamond or orchid, a word signifying luxury and treasured beauty—that kingdom at her feet for which all women secretly yearn, all men wish to bestow. But because palladium is still virtually unknown, except to fine jewelry craftsmen and those fortunate enough to possess jewelry created from it, there may be a few questions that need answering.

First, palladium is a metal—a precious metal, mined out of the earth, and so rare it takes the working of many tons of ore to obtain an ounce of it. It is a member of what the metallurgists call the platinum group, which means it is kin to platinum, iridium, rhodium, ruthenium and osmium. All this sounds technical—and becomes important only when one knows that for years the platinum family has been the stuff from which dreams of fine jewelry were made. It is this interesting group that has captured the fancy of modern generations of Cellinis.

Thus, palladium comes of good stock. It

isn't a figment of a test tube's imagination, nor an element of unproven worth. Although it is one of the least known and among the rarest of the workable metals of the platinum group, palladium has the family traits of long-life and enduring beauty, with the toughness necessary to secure precious gems set in it. Furthermore, from a purely technical point of view, it is preferable to the others for jewelry, for it can be fashioned into impressive settings without excessive weight.

What does palladium look like? It is a "white" metal, but that is a descriptive misnomer. Palladium has a misry sheen to it, a kind of soft frostiness, that defies words. Think of shimmering pearl-gray satin. That comes pretty close. But words cannot pin it down. However you phrase it, it is a lovely complement to the clear brilliance of a diamond or the depth of an emerald; enchanting with flashing rubies or garnets or amethysts; infinitely subtle combined with gold in the two-tone counterpoint so many women love.

Palladium is not new. It would be a platitude to say it is as old as the earth, since we generally reckon the age of things only from

the time of their discovery. But more than a century has gone by since palladium was discovered, isolated and named. The year—1803. The man—William Hyde Wollaston. The name—in honor of the planetoid Pallas, dis-



BIG CHANGES

The Nickel Refinery office at Port Colborne last month said goodbye to two popular workers who were returning to housekeeping after valuable wartime service with the Company, and also extended best wishes for the happiness of another who has since been wed.

Miss Helen McMaster, at the left in the group, was married on Feb. 15 to John Jennings Jr., who was back from four years overseas with the Army.

Mrs. Alice Cobb (centre), whose husband Bill is in the electrical shop, and Mrs. Maud Lusty (right), whose husband Ken is a former Incoite now with Robin Hood Mills, were the two staff members forsaking the adding machine for the vacuum cleaner.

covered the previous year by Wollaston's good friend Olbers. Wollaston, who was the esteemed Secretary of the Royal Society of London, and a noted English chemist and physicist, was working on the then newly discovered platinum.

In his researches he found that this new white metal was in reality a group of metals that could be separated into constituent metals, the two newest of which he called palladium and rhodium. From the very moment of its discovery, although it was recognized as an unique metal with marvelous properties, palladium was too rare for use in jewelry. It remained so until the unearthing of the magnificent Canadian deposits—which brings us to the modern chapter in the story.

Up until 1914, nearly all the platinum in the world came from Russia. The remaining sources were widely scattered, few in number, out of the way. Then right after the first World War a treasure trove of platinum was found in the ores of The International Nickel Company of Canada. And wonder of wonders, hidden with this platinum was found more palladium than had ever been known before. The ratio of rarity still holds. It still takes many tons of ore to obtain an ounce of palladium—but the Canadian deposits are sufficiently large that now, for the first time, it makes sense to use palladium for jewelry.

Many of our finest jewelry designers accept palladium because it is in the very spirit of 20th century inspiration. It has a purity of color and finish that is singularly appropriate to present taste—a clean, functional beauty that is the synthesis of the whole classic trend in fine art today. Although the name palladium itself was a tribute by Wollaston to a fellow scientist's discovery, it has classic associations that are extremely apt.

Which brings us to the word "palladium". Have you wondered why it has such a familiar ring? The dictionary verifies that haunting sense of recognition. It defines it not only as a rare white metal but takes it back to antiquity. "Palladium", says the dictionary, "... an image of Pallas (Athena) on which the safety of Troy was supposed to depend. Thus any safeguard." It isn't too far-fetched to render that meaning into a new context. Pallas, a symbol of divine protection can become, translated into precious jewelry, a symbol of man's protection and eternal devotion.

But the mythological overtones are not the

Winter Scene Won \$100 Award



Terry Bradbury of the Research Lab. applied his microphotographic eye (you have to say it fast) to the view finder of a Speed Graphic and snapped this fine winter scene. It won a \$100 prize in a calendar contest conducted by a Canadian insurance company, which goes to show that's gold in them thar snowdrifts. The picture was made at a point along the old Creighton road; it was a bright day and the exposure was F:16 at 100th of a second with a pale yellow filter, Super-Panchro Press film. Nice going there, Brad.

only ones that will cling to the word "palladium". Words have a way of acquiring a patina of meaning with age. Much as you polish old wood to bring out every nuance of its color, every subtlety of its grain, so the

years polish and bring out the hidden lustre of this or that word. The word diamond has grown to be such a part of speech that now one says—brilliant as a diamond. Or—pure as gold. Palladium is still in the infancy of its use. As it goes into the fashioning of treasured betrothal rings, of wedding bands on the fingers of loved ones, of beautiful jeweled pieces destined for heirlooms, more and more the meaning of the word will grow and gain such eminence that language, like the fine art of jewelry design, will be enriched by the saying—rare as palladium.

LUCENTI HELD COURT AT SUDBURY CLUB



There was a good crowd on hand at Inco Employees Club in Sudbury the night of Feb. 22 when Carmen Lucenti and his band came up the pike from North Bay to give out with melody both sweet and solid. Among the happy people at the party were: Berl O'Brien, Jim Savol, Norma Anderson, Johnny Hughes, Phyllis Cadman, George Carley, June Kingston, and Nick Mitchell.

GOING MY WAY?

A very new lieutenant was put in charge of a submarine. He was anxious to do the correct thing, but was nervous.

On a trial trip he gave what he thought was a most professional order to take the ship down for a dive. A moment later he remembered the sailor who had been standing watch on deck, and immediately gave the order to surface, praying that he hadn't drowned the poor fellow.

The moment the ship broke surface he climbed up on the ladder and popped open the hatch. To his relief, he saw the sailor swimming disgustedly in the sub's wake.

As they closed in for the pick-up the sailor blew out a mouthful of salt water and inquiredardonically: "Forget something?"

NOTHING BUT THE BEST

An unfortunate was applying for relief and the girl at the desk was filling out a questionnaire.

"Do you owe any back house rent?" she asked.

"Ma'am," he replied with dignity, "We got modern plumbing."

4500 MOTORS

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this 1 1/5th-h.p. motor which fits comfortably into the palm of Clayton Robertson's hand. It drives a graphic watt meter in the Cliff substation.

7. And here's a display of some of the Electrical Department's large stock of coils for generators and motors. The coils are divided into three types—direct current, synchronous motor, and induction motor, and rate from 2,500 kva down to one kw. The big size at top centre drives large electrolytic generators at the Copper Refinery; the one at the lower left is off an Open Pit shovel motor; the one at lower right is a locomotive armature coil.

Winnipeg Skaters Took Lion's Share Of Dominion Titles

A crowd estimated at 15,000, largest gathering ever in Sudbury, watched the thrilling final events of the Canadian outdoor speed skating championships at Queen's Athletic Field on Feb. 12 and witnessed the crowning of the winner in the 23-entry Ice Queen contest, Miss Therese Barbeau, candidate of the St. Louis Club.

Skaters from Winnipeg took home the lion's share of the Dominion titles at stake in the big meet, with a total of 21 championships.

Feature of the Winnipeg showing was Frank Stack's record crushing performance in the senior men's mile during Monday night's events. The 40-year-old former resident of Sudbury thrilled a crowd of more than 4,000 as he flashed to victory in 2:59 1/5 to better the previous established mark for the distance by 8 1/5 seconds. Charles Gorman, of Saint



FRANK, JACK, AND DAN STACK

John, N.B., made 3:06 2/5 at Montreal in 1923.

The Stack family was as prominent during the meet as it used to be at all the major athletic events back in the old days at Winnipeg. Frank, former Incoite, and the 43-year-old Jack, joined brother Danny of Frood for a happy reunion. Besides his record-making performance Frank won four other championships.

Mrs. Florence Hurd McIntyre of Copper Cliff, former North American women's titlist, gamely attempted a comeback after seven years off the ice, but just couldn't get back in shape in six weeks. She placed fourth in the senior women's mile.

HUB OF 1946 N.O.C.A. BONSPIEL



With a total entry of 64 rinks, the 1946 Northern Ontario Curling Association bonspiel was acclaimed most successful in the history of the organization. With J. R. Gordon as president and C. W. Nute as secretary, a group of smooth-working committees put the big besom an' stane show across in tip-top style. Host ice for the 'spiel was at Copper Cliff Curling Club, which was suitably dolled up for the occasion; similar smart decorations brightened the Sudbury curling rink. Big winner was the rink skipped by T. Sum Wilson of Sudbury, which won 12 out of 14 games and took the Grand Aggregate, Diamond Jubilee, and Association trophies.

Kids Cavorted

(Continued from Page 1)

that tickled the crowd of 1,000 people. In a regular fixture of the Cliff league, Rangers defeated Canadiens 5-4.

Selection of Sudbury district midget N.H.L. for the movie performance was recognition of the fine organization which is functioning in the Nickel Belt to develop sport and sportsmanship among the young boys.

Guest star of the evening was Frank McCool, substitute goalie of Toronto Maple Leafs.

Lineups for the historic event were:

BANTAMS

Sudbury Kinsmen—Goal, Evans; defence, Hall and Sigurdson; centre, Edie; wings, Paul and Steepe; alternates, Pelish, Sherrington, Hogan, Guizak, Battaino, Johnston, Palladino, D. Fleming, R. Gauthier and Walli.

Copper Cliff—Goal, Lapierre; defence, Silvestre and Pawson; centre, Baker; wings, Smith and Kavanagh; alternates, Sleaver, Flynn, Strong, Canapini, Antonini, Cleland, Biondi and Reilly.

COPPER CLIFF LEAGUE

Rangers—Goal, Biondi; defence, Tuttle and Toppazzini; centre, Cleland; wings, Howard and Silvestre; alternates, Presaco, Bellay and Giardini.

Canadiens—Goal, James; defence, Byers and Macoritti; centre, Shields; wings, Cleland and Sauve; alternates, Gibbons, Pakkala, Peterson and Stevenson.

ALL-STARs

Sudbury—Goal, Larocque; defence, Trainor and Polish; centre, Smith; wings, Bertrum and

Ethier; alternates, M. Cliff, Stefuik, Kallies, Soucie, L. Cliff, McCarthy.

Copper Cliff—Goal, Yeo; defence, Tramonini and Lee; centre, Toppazzini; wings, Martell and Taylor; alternates, Bennett, Fraser, Nelimarka, Lenihan, Farrell, Montgomery, McGinn.

It's a mistake to estimate people by some outside quality, for it is that within which makes the man.
—Pagoda Proverbs.

