

INCO TRIANGLE

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NUMBER 9



Merry
Christmas
and
Happy
New Year
to All
Our Readers





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Keep the Merry in Christmas

An "Off-the-Job" Message
from the
Inco Safety Department

The joyous season of Christmas is with us again. As we gather our loved ones about us to share in the happiness and good fellowship, few of us pause to consider that, each year, Christmas passes many families by. This happens in many cases because of the pain and grief caused by accidents which could have been prevented had someone thought to exercise common sense safety precautions.

The Christmas season brings with it certain conditions in which the danger of accidents is more common than usual.

On the roads and highways people hurry more during the holiday rush, shopping and visiting friends. Conviviality flows and this together with poorer visibility and icy roads causes more accidents. Extra precautions must be taken not only with respect to our own driving but others as well. Remember, the person approaching may not be in proper condition to drive.

In the home the Christmas tree, lights, decorations and presents all may constitute deadly fire hazards. New, unfamiliar toys can cause tragic injuries among small children if care is not taken in selecting them and in teaching the tots how to use them.

Injury or death, tragic always, become more so at Christmas than at any other time.

At the close of his wonderful tale "A Christmas Carol," Charles Dickens says of the reformed old Scrooge, "and it was said of him by one and all, that he knew how to keep Christmas." Let it also be said of us that we too know how to keep Christmas — safe for our loved ones and ourselves.

ALL ABOARD

Five Scotsmen decided to go horseback riding, so Sandy went to bargain with the stable owner.

"How long do you want the horse?"

"The longest ye've got," said Sandy. "There'll be five of us going."



With Warmest Wishes for a Bright and Merry Christmas,
and Health and Happiness in the Coming Year.

Henry L. Wingate
CHAIRMAN

Arthur P. Gymer
PRESIDENT

J. J. Fodor
EXECUTIVE
VICE-PRESIDENT

J. A. Rigatt
ASSISTANT VICE-PRESIDENT
GENERAL MANAGER
ONTARIO DIVISION

Jim McCreedy
GENERAL MANAGER
MANITOBA DIVISION

THE FRONT COVER

Inco Window Cheery Scene

A big fat snowman, carrying a brightly wrapped gift parcel labelled "Season's Greetings" and flanked by colorful carol singers cleverly sculptured in paper, takes over the front page spot in this issue of the Triangle.

He's the hearty star in Inter-

national Nickel's beautiful Christmas Window, now an established tradition in the Chamber of Commerce offices in the President Hotel, Sudbury.

Part of the downtown Christmas shopping spree for the whole family is a trip to see the Inco window, judging by the carloads that drop by and the groups of pedestrians, old and young, who come around during the day and in the early evening to admire the display.

It's a cheery winter scene, with children skating on a revolving

rink to one side of the snowman, and playing with their sleighs on the other. Gaily decorated Christmas trees, piled at the base with intriguing gift packages, stand at either end of the window.

The display was created for Inco by a crew of gifted artists from Weston Wood Specialties, Ltd., Toronto, under the direction of Jack Farquhar. Their skill in sculpting life-like figures from paper, and arranging them in multi-colored lighting effects, draws many admiring comments from the public.

"The Legion of the Living Salutes the Legion of the Dead"

New cenotaphs were dedicated at Copper Cliff and Thompson as citizens of these Inco communities joined the nation in reaffirming faith with its warrior dead.

At largely attended Remembrance Day services the veterans of war marched with the youth of the modern military establishment in grateful tribute to those who gave their lives for freedom.

The words of John McCrea's immortal poem renewed a solemn pledge:

*"They shall not grow old, as we that are left grow old;
Age shall not weary them, nor the years condemn.
At the going down of the sun and in the morning
We shall remember them."*

At Copper Cliff the Royal Canadian Legion's new cenotaph, situated in front of the branch's own building, was unveiled by the mayor, Richard Dow, before a large crowd representing all phases of community activity. Members of the Legion, led by president P. H. Riley, assisted in the ceremony. Venerable Gilbert Thompson, archdeacon of Nipissing, consecrated the monument. A guard of honor from the Copper Cliff Highlanders cadet corps stood with arms reversed, and the corps pipe band played its stirring music.

At Thompson Rev. Donald Duff consecrated the massive new cenotaph after it was unveiled by mayor Jack Knight. President W. Erickson and members of the Royal Canadian Legion took part in the dedication ceremony.

An impressive design submitted by Don Slind of the Inco mine planning department was accepted by the town council for the Thompson cenotaph, which stands on Selkirk Avenue. Fred Dubery was chairman of the Legion committee which undertook the project, and construction was carried out by the Legionaires with materials donated by business firms of the town. The Legion ladies' auxiliary made a substantial cash donation, and International Nickel presented the plaque.

The Thompson Community Club's drum and bugle band, pride of the town, performed at the Remembrance Day service. RCMP officers formed the guard of honor.



Venerable Gilbert Thompson consecrated the new Copper Cliff cenotaph.



Bugler Tim Duncan and bandmaster Jerry Bercier sounded the Last Post at Thompson.



Mines superintendent Horace Boucher salutes after laying the Inco wreath at the new Thompson cenotaph.



Rene T. Dineen

NOSSA Champs

For the first time since the presentation of the Mossell Cup in 1956, a Copper Cliff High School team this year won the junior football championship of the Northern Ontario Secondary Schools association. The victors are shown here: front row, W. Anderson, D. Taylor, P. McDonagh, D. Johnstone, R. Bolton (captain), J. Signoretti (assistant captain), E. Hreljac, R. Miron, J. Parris, M. Zinkie; second

row, K. Peters, B. Britney, R. Petrenko, E. De Benedic, O. Remakko, R. Cull, S. Cave, B. McGhee, K. Milner, F. Blum, P. Kallio, J. Stephens, J. Green, R. Schilkie, D. Roslen, B. Hews, B. Lawson, N. Buschoert, D. Bonhomme, B. Tresize; third row, D. Glommi, W. McDonagh (coach), M. O'Neill, D. Longarini, M. Machum (manager), J. Salhani, B. Van Allen (manager), Craig Henry (manager), M. Battistoni, J. Thibault (coach), G. Van Exon, B. Hazledy

Golden Wedding

The years have been kind to Wally Blackwell and his wife Rose, who on November 27 celebrated their 50th wedding anniversary.

The couple were feted at a surprise party at the Elks' Club in Naughton to mark the happy occasion, and some 250 of their

Azilda and grew up in Victoria Mines. They were married in Sudbury.

Their union has been blessed with a family of five. Daughter Dorothy is the wife of Copper Cliff maintenance electrician Fred Boyer. Bert and Bill are maintenance foremen at Creighton. Pete lives in Kitchener and Jim in Orillia. Of their 23 grandchildren, Robert Boyer is a Creighton driller, and Peter Boyer a driller at Crean Hill. Five great-grandchildren complete the family.

For the past seven years Wally and his wife have made their home on the Black Lake Road in Waters Township, where tending their garden keeps them both happy and active.



Mr. and Mrs. Blackwell

family and friends were there to offer congratulations and to present gifts that included a comfortable armchair and matched wedding bands.

An Inco pensioner, Wally retired from his job as school stove instructor at Creighton mine 14 years ago after a proud 40 years with the Company.

He and his wife wear their years well; he is 78 and she 68. Born in Hastings, England, in 1890, a comparatively young Wally came to Canada in 1912, worked at the Mond mine, and later at the Canadian Copper Co.'s operation at Crean Hill. Mrs. Blackwell, who was Rose Barbeau before her marriage in 1918, was born in

Laurentian Gets Two Inco Scholarships

The International Nickel Company of Canada, Limited has established two undergraduate scholarships at Laurentian University. They are to be awarded at the discretion of the university senate, on a year-to-year basis, to full-time students in any undergraduate program leading to a bachelor's degree.

The university has complete administrative authority in making the awards, including setting the standards for selection and renewal.

The scholarships will be available to students beginning with the 1969-70 academic year and will provide for tuition and an annual stipend of \$300 for each student. In addition each scholarship will provide a \$500 annual grant to the university as a cost-of-education supplement.

WON MEMORIAL TROPHY

The Lorne Gagnon memorial trophy for the most improved lawn in Lively in 1968 was won by J. "Buster" Dyck of 305 First Street.

700 Successful in First-Aid Course

A record crop of 700 men successfully completed the 7-week course in St. John Ambulance first aid training conducted annually by International Nickel at its mines and plants in the Sudbury district.

They will be presented with St. John Ambulance certificates and a cash bonus for the time they spent in training.

Staff members of the safety and first-aid department, numbering over 60, served as instructors at the classes, which were held in the Inco clubhouses at Sudbury, Garson, Levack, Creighton, Coniston, the Copper Cliff community hall, and the Whitefish Legion hall.

Enrolment was as follows: Levack, 125; Copper Cliff, 270; Coniston, 26; Garson, 46; Stobie, 90; Frood, 46; Murray, 21; Clarabelle, 10; Creighton, 70; copper refinery, 77; Crean Hill, 10.

Having completed this big organizing and teaching undertaking with its usual efficiency, the safety department is now gearing up the training program for the annual first-aid competitions. The schedule starts January 13 and continues through to April when the plant and inter-plant contests will be staged.

Inco-Guatemala \$180 Million Project

A spokesman for The International Nickel Company of Canada, Limited confirmed November 14 that, as reported in its most recent annual report, the Company's majority-owned subsidiary, Exploraciones y Explotaciones Mineras Izabal, S.A. (Exmibal), will begin large-scale construction of its nickel mining and processing facilities near Lake Izabal in

Mine Record

Well, they made it.

When Levack mine employees hit the million safe-man-hours mark on October 4, their enthusiastic superintendent, Dave Lennie, urged them to keep the ball rolling toward a new mine record.

Keep it rolling they did. On November 22 they reached 1,549,393 consecutive safe man hours, breaking the old mine record with something to spare.

"Congratulations on your wonderful team spirit and effort!" glowed the superintendent in a bulletin to all personnel at the mine, a message that will be echoed throughout the Inco organization.

Achieving the safety million mark twice in one year, along with a new mine record, while maintaining a big production schedule, Levack has done itself proud in 1968.

northeastern Guatemala promptly upon conclusion of arrangements with the Guatemalan Government and of appropriate financing.

Rapid progress with these arrangements appears to be under way. Construction of the facilities is scheduled to extend over three years.

The spokesman also confirmed that the total cost of the project is expected to amount to some \$180,000,000. This figure embraces all costs, including working capital, supporting facilities, etc.

WHAT'S THE BEEF?

"What's the matter with you," yelled the pedestrian to the driver.

"Are you blind?"

"No," shouted the driver. "I hit you, didn't I?"

Former shift boss of the Copper Cliff smelter who was transferred to Thompson in June, 1960, smelter foreman A. E. "Gus" White received his gold 25-year badge from executive vice-president Todd.



Mr. and Mrs. Bill Holmberg and Mr. and Mrs. Joe Maltby help themselves to the tempting tropical fruit display on the hors d'oeuvres table.



Classy 'Do' at Thompson's 25-Year Club

Thompson members of the Inco Quarter Century Club are an "elite" for the role they have played in bringing into being a major industry and model modern community that 12 years ago were only in the thinking stage.

So said executive vice-president F. Foster Todd of Toronto in addressing the members and guests of the Thompson chapter at its brilliant 10th annual dinner on November 8.

"I had the privilege of being here in the early days and for eight or nine years Thompson was in effect my home," he recalled.

"However, I still find it hard to believe that so much has been achieved here in such a comparatively short time. Twelve years ago tonight, for example, there was virtually nothing here. There was no permanent structures — no facilities of any kind. As a matter of fact, the Company had not even announced that it was planning to go ahead with this development. That did not come until December 6, 1956. Since then a modern metallurgical plant, mines, roads, an airport, railroad and the third largest city in Manitoba have been brought into being. By any measure, this is quite an achievement."

"I mention these matters to demonstrate how unique the Thompson Chapter is. It must surely be one of the few in any company anywhere in which all the members began their careers elsewhere and now find themselves working in a place which did not even exist a quarter of a century ago. The members at Thompson are an elite. However, we are all members of a very exclusive group whose worldwide membership has now passed the 6,800 mark."

Mr. Todd, who completed 25 years with the Company in 1954, said that members of this group bring to the Company, individually and collectively, many years



Mrs. Simonne White with the bouquet of red roses sent to her by division general manager McCreedy in appreciation of her part in her husband's quarter century of Inco service. Their 25th wedding anniversary also took place this year.



Cups and saucers were the special favors for the ladies. Here Mrs. Bill Clement unwraps hers. Beside her is Trevor Fregren.



In this pre-prandial huddle are Fred Dubery, Harry Bonasuik, and assistant general manager Dan Munn.

of service and invaluable experience in the nickel industry, and that he was pleased to pay a special tribute to the men and women who have served the Company so well for 25 years or more.



Mrs. Foster Todd of Toronto renewed many old friendships from her residence in Thompson. Here she reminisces with Ross Hawkins at the head table.



Herb Blois and Joe Jones enjoy a story related by John MacDougall.



"Sandy" Sabatina at the organ played a pleasing musical backdrop for the dinner.

While commenting on Inco's safety record, which, he said, takes second place to none in the mining industry, Mr. Todd emphasized the fact that nothing less than a perfect record for safety can ever be totally satisfactory. "And this

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Mrs. Lucien Villeneuve chats with Mr. and Mrs. Bill Thorpe.



this group are Mrs. Romeo Leblanc, Gerry Gibson, Mrs. Dan Munn, and Mrs. Gibson.



Mr. and Mrs. Al Hutchinson with division general manager John McCreedy. (Below), Mrs. Gene Winter and Mr. and Mrs. Bob Carlyle.



Retired on Inco Pension

ANDY BRUGOS

In excellent health, and newly retired from his job as pump and addition agent at the copper refinery, Andy Brugos heartily endorses the life of a pensioner.



Mr. and Mrs. Brugos

"Breakfast at 9.00 is a lot better than breakfast at 6.00," he said with a chuckle. Service pensioner Andy worked for the Company for 38 years, all of them at the refinery. He left Czechoslovakia for Canada in 1929, three years after he took Julia Duras as his bride. One of his family of three, son John, is a staff assistant with the labor relations department at the Company's Toronto office. Four grandchildren complete the family.

PETER DUCHARME

Peter Ducharme has worked for the Company for 25 years, and all of them were spent at the Copper Cliff smelter. A service pensioner, he started with the transportation department and spent his first



Mr. and Mrs. Ducharme

year with Inco on the slag dump. For the remainder of his time he punched and skimmed converters. A native of Quebec, Peter married a Hanmer girl, Ludvine Ranger, in 1937. Their family of two, and their four grandchildren live in Guelph and Val Caron. Peter and his wife will continue to reside in Hanmer.

PAT BOMBARDIERI

After retiring on special early service pension, the first thing that Pat Bombardieri did was to spend two months visiting friends and relatives in his native Italy.



Mr. and Mrs. Bombardieri

He was a machinist at the Copper Cliff smelter and has worked for Inco for 35 years. His marriage to

Italia Miscelotta took place in Italy in 1932, and the couple have a family of four, with six grandchildren. His own boss now, he is in the moving business and reports that his days are as busy as ever.

ALFRED GREGORY

Better known as "Snowshoes" by all his friends at the Port Colborne refinery, Alf Gregory, after 32 years service mostly as a millman in the leaching and calcining department, is leaving on a disability retirement.

Born in Sheffield, England, in 1908, he came to Canada at the



Mr. and Mrs. Gregory

age of eight and lived on a farm in the Belleville area before he became employed as an office boy and driver of the Company "jitney" in 1929.

Alfred and his wife, the former Mildred Hodgkins, have two married children, Ronald and Bonnie (Mrs. Gordon Carter), five grandchildren and one granddaughter.

Alf hit the headlines by earning awards of \$1,000 and \$300 through the Inco employees' Suggestion Plan.

He plans a trip back to England to visit his brother and sister next August.

AL VINCENT

From now on it's going to be summers at his camp on the French River and winters in Florida for early service pensioner Al Vincent.



Mr. and Mrs. Vincent

A copper refinery maintenance mechanic, he has worked for the Company for 38 years. Al was born in Griffith, Ontario, and was married to Auxilia Clement in Espanola in 1931. "I'm really still a maintenance mechanic," said Al. "What with a house and a camp, there's always something that needs fixing."

STEVE BIRKAS

Although he is retiring as a day unitman, over 21 years of Steve Birkas' 39 years' service was spent as head anode scrap washer in the electrolytic department of the Port Colborne refinery.

Steve was born in Hungary in

1906 and came to Canada in 1924. He settled in Port Colborne and



Mr. and Mrs. Birkas

started to work at the refinery in 1929.

Steve married Mary Laki of Port Colborne in 1930; they have one son, Steve Jr., a high school teacher in Sudbury, who along with his two children make the Birkas a proud family.

Gardening, fishing, small-game hunting, and just being a helpful neighbor will keep Steve busy and happy in retirement.

JIM SHRIGLEY

Jim Shrigley has stacked up a grand total of no less than 48 years since he joined the old Canadian Copper Company as a general office messenger boy at Copper Cliff in 1918. "The place sure has grown since those days," said the



Mr. and Mrs. Shrigley

perky early service pensioner. Jim was nine when his family left Manchester for Canada in 1913, he was all of 14 when he started his messenger route, and it was in 1923 that he became a welder, the job he held until retirement. A Copper Cliff girl, Grace Davey, exchanged vows with Jim in 1928 and they've been blessed with a family of five, plus six grandchildren. Son Ed is a sampler with the Copper Cliff metallurgical department. Jim and his wife are now happily settled in the house that they bought at 11 Power Street in Copper Cliff.

MAYNARD FRASER

A proud miner for the 29 years that he's been with Inco, service



Mr. and Mrs. Fraser

pensioner Maynard Fraser thinks that the Company's application of

trackless mining equipment is one of the best things that ever happened underground. Born in Vars in Ontario's Ottawa Valley, he was a pillar leader prior to his retirement. Bertha Lowe of Bear Brook was Maynard's bride in 1932, and the couple have a family of three, with six grandchildren. They are considering a move to southern Ontario.

HERB CHESTER

Back in 1942 Herb Chester left his job as assistant golf pro in Winnipeg, came East anticipating his call to arms after volunteering for the RCAF, and took a job as a miner at Garson figuring that he would only be with the Company for a few months. The temporary



Mr. and Mrs. Chester

job turned into a career for Herb who retired recently on early service pension after 26 years at Garson. He has been a shift boss there since 1950. His marriage to Ester Fabry took place in Winnipeg in 1941. They plan to settle in the south and return to their cottage on Lake Nipissing for the summer months.

CECIL McILVEEN

A powderman at Stobie for the last 12 years, Cecil McIlveen has ended a 33-year partnership with Inco, retiring on special early service pension. A native of Clavering, on Ontario's peaceful Bruce



Mr. and Mrs. McIlveen

Peninsula, Cecil took Henriette De Mulder as his bride in Owen Sound in 1926. Their son Joseph worked for the Company for 21 years, and was a car repairman at Stobie prior to his death in 1967. Five grandchildren complete the family. Cecil plans a real lazy winter followed by sorties to the Cartier area and his favourite creeks for some earnest speckled trout fishing.

MIKE DAUTOVIC

Mike Dautovic's first seven years in Canada were spent in Winnipeg following his farewell to his native



Yugoslavia in 1929. He joined Inco at Frood in 1930, broke his service, and made his final move to the copper refinery in 1935. His recent retirement on special early service pension followed 33 years in the tankhouse. He was married to Frances Obatic in the

old country in 1929, and she joined him on this side of the water in 1938. Their daughter Mary is the wife of Frood maintenance mechanic Boris Novakovic, and three grandchildren complete the family.

EMIL BUDA

Ten years in Toronto preceded Emil Buda's move to Sudbury and the copper refinery after he left Czechoslovakia in 1925. The disability pensioner's 33 years with Inco were spent in the tankhouse.



Mr. and Mrs. Buda

It was in 1940 that Anne Lazaric forsook the bright lights of Montreal to become Emil's Sudbury bride. Visiting their two daughters in Toronto, a daughter in the Bahamas, and a son in Montreal, will now be a full-time job for Emil and his wife, who have no complaints about the program at all.

ELIO PICCININ

Being under a roof all day is something new for Elio Piccinin. Now in the ranks of the retired, he is on service pension after 32 years with Inco's transportation department. Born in northern Italy where his early years were



Mr. and Mrs. Piccinin

spent in the fields of the family farm, he came to Canada and Port William in 1927, and to Inco and the Copper Cliff smelter in 1936. Track foreman for 10 years, he spent his last two as switch tender. His marriage to Rose Tondato took place in Copper Cliff in 1936 and the couple have two sons, with two grandchildren.

GORDON JAMIESON

Gordon Jamieson's 29 years with the Company can be divided into three phases. Born in Alliston, his first three years after joining Inco in 1936 were spent in the Copper



Mr. and Mrs. Jamieson

Cliff smelter reverberating building. In 1939 he joined the Copper Cliff police department, and during the next 20 years was stationed at Coniston, Frood and Copper Cliff. He left the force to work in the

Frood Mine's John Sunquist and Ed Peattie Honored at Stag



Seated are John Sunquist and Ed Peattie; standing behind them are speakers who lauded their contribution to Inco: G. R. Green, assistant general manager (mining); S. J. Sheehan, area superintendent, Frood-Stobie and Little Stobie mines; J. G. Strasser, assistant superintendent, Frood; M. E. Young, superintendent of mines; A. M. Cameron, general superintendent of maintenance; D. W. Simon, maintenance superintendent, Frood-Stobie.

Frood mine says farewell to two veteran members of supervision who are stepping into retirement after long and valuable service to the company.

Division foreman John Sunquist and sand plant boss Ed Peattie were honored at a stag dinner at the International Hotel and presented with gifts reflecting the esteem in which they are held.

Noted throughout his mining career for his leadership in safety promotion, John Sunquist and his 50-man crew were among the first to chalk up 100,000 consecutive shifts without a lost-time accident, long before special awards were inaugurated for this achievement. Although engaged almost continuously in pillar work under difficult ground conditions, they maintained

an unblemished safety record from August, 1943, to February, 1950.

Born in Boden, Sweden, John came to join his sister in Sudbury in 1928, and worked as a carpenter. "Mining will be the last job I'll take," he said to himself, and the words proved prophetic, although not quite the way he meant them. He started to work underground at Frood in 1931, and remained there until his retirement on early service pension. He became a shift boss in 1939 and division foreman in 1950.

He was married at Sudbury in 1939 to Lillian Hansen. They have enjoyed a summer cottage at Birch Island since 1948. They will spend the winter in Florida, visiting enroute with John's brother Oscar in Flint, Michigan.

Scotland was the birthplace of Ed Peattie, who came to Canada in 1922. Construction work on the copper refinery brought him up from southern Ontario in 1931. He started his Inco career first at Frood mine in 1933, broke service but returned in 1938, then served in the Royal Canadian Navy from 1940 to 1945.

Since war's end he has been employed steadily in the mine's mechanical department at Garson, Stobie, Frood open pit, and finally at Frood as sand plant boss.

His marriage to Irene Shields of Powassan took place in 1939. Their son, John, is a member of the engineering department at Little Stobie mine. They will continue to reside in Sudbury.

smelter coal plant, and was a crackman there prior to his retirement on disability pension. A Creemore girl, Margaret Coe, became his wife in 1939 and they have been parents to six. Daughter Shirley is the wife of copper refinery casting building shift boss Brooks Matthews. Nine grandchildren complete the family.

RAY LAMONTAGNE

Not content to sit and twiddle his thumbs as a disability pen-



Mr. and Mrs. Lamontagne

sioner with 21 Inco years behind him, Ray Lamontagne is taking advantage of the Ontario manpower re-training program and is back in the classroom to upgrade his education. A native of Woonsocket, Rhode Island, he started with the Company at the Copper Cliff smelter in 1946, and for the last 11 years has worked on the

slag dump. He and his Sudbury bride of 1948, Aleen Lemieux, have a family of eight and one grandchild. Daughter Carmen is the wife of Stobie driller Brian Lafleur.

JOHN MADJERUH

Special early service pension for John Madjeruh of the copper refinery casting department will

mean an extended visit to Krasic in his native Croatia, and a reunion with his 90-year-old mother and his seven brothers and sisters. He came to Canada in 1928, helped to build Toronto's Union Station, and joined the Company at the refinery in 1935. His 33 Inco years were spent there. A single man, John has no intention of getting tangled up with Cupid at this stage of the game.



J. Madjeruh

VICTOR VRBANCIC

Well known at Creighton No. 3 shaft, where he has worked for the 35 years since he joined Inco, Victor Vrbancic has retired on special early service pension. He was a raise tender during his last five years. He left Ocag, Yugoslavia, in 1928, spent his early



Mr. and Mrs. Vrbancic

Canadian years in the West, and joined the Company in 1933. His wife, Ljuba Muhic when they were married in 1927, joined him here in 1938. They have one son.

ROMEO HEBERT

A special early service pension has ended 35 years of service with Inco for Romeo Hebert. A native of Trois Rivières,



R. Hebert

Quebec, he started at Creighton and finished at Stobie, where for the last 19 years he worked as skip and cage tender. His marriage to Bertha Naud took place in Amos, Quebec, in 1926, and they have a family of two, with two grandchildren. Fishing, boating, and pottering around the family

Retired on Inco Pension

camp on the French River is Romeo's favourite form of relaxation.

GORDON IRELAND

Gordon Ireland's 31 years with the Company started at Levack, took him to the Frood open pit, and then to Frood where for the last 13 years he was a toplander. The service pensioner was born in Parry Sound, and was married to Alma Buson at Sundridge in 1931. The Irelands have a family of five and are grandparents to seven. An ardent hunter, Gordon's home away from home is his camp on the west arm of Lake Nipissing.



G. Ireland

CONNIE GOSSELIN

One month of inactivity following his retirement on disability pension was enough for Copper Cliff screening plant boss Connie Gosselin. Now working as a



Mr. and Mrs. Gosselin

handyman at a local hotel he reports that he no longer feels "like a bump on a log." Born and raised in Coniston, he worked for 10 of his 33 Inco years at the smelter there before his move to Copper Cliff. He and his bride of 1939, Edna Richer, have a family of six, with three grandchildren. Son Gilles is a driller at Creighton mine.

JOHN AVERY

When John Avery left Aldsworth, England, for Canada in 1928, at the tender age of 14, he was told that he was the youngest untaken person on record to have taken advantage of the govern-



Mr. and Mrs. Avery

ment-assisted emigration scheme. He started with Inco in 1944. A stores clerk at the Copper Cliff smelter since 1945, John has retired on disability pension. His marriage to Betty Birch took place in Copper Cliff in 1948, and their family consists of two daughters and one grandchild. An active community worker, John plans to continue these activities and also as a board member of the CNIB.

WILF GASCON

With a proud 39 Inco years behind him, Copper Cliff loco engineer Wilf Gascon has retired on service pension. His life began in Pte. Gatineau, Quebec, but from the age of two he was brought up in Garson where, in 1918, he started his working life with the



Mr. and Mrs. Gascon

Mond Nickel Company. His service with Inco commenced in 1929 at Frood, and he moved to Copper Cliff and the transportation department in 1936. His first wife, Pearl Menzies when they were married in 1924, died in 1933, leaving him with one son. His later marriage to Mamie Salo took place in the early '40's. The Gascons will be residing at their new home on Long Lake.

ROGER AUGER

Lots of leisure time and a house trailer make an ideal combination for Roger Auger, who has retired on service pension from his job as cottrell operator at the Copper Cliff smelter, after 38 years with



Mr. and Mrs. Auger

Inco. Since he left the cares of a working man behind him, Roger and his wife have already enjoyed unhurried trips to the east coast and as far west as the Lakehead. Born in Ottawa and raised in Port Arthur, Roger was married to Evangeline Crago in 1930. Of their family of two, son Gene is a tapper helper at Copper Cliff. Five grandchildren complete the family.

STAN NEWMAN

A Creighton carpenter for the 34 years that he worked for Inco,



Mr. and Mrs. Newman

Stan Newman has retired on early service pension. Stan grew up in Toronto and on Manitoulin

Island after coming to Canada with his family from Sunderland, England, when he was two. Edythe Moor became his bride in 1936, and one of their family of three, Ray, is an electrician's helper at Copper Cliff. One granddaughter completes the family. Regular visits to his mother and father, who live at Pioneer Manor and are 89 and 90 respectively, will fill much of Stan's leisure time.

CLARENCE LAMPMAN

Clarence Lampman, who began his career with International Nickel at the Port Colborne nickel refinery in the latter part of 1936, was born on a farm near Port Colborne.

He was employed at the John Deere works in Welland for three years before starting on produc-



Mr. and Mrs. Lampman

tion work at the nickel plant. He transferred to the mechanical department in 1951 and remained there until his retirement, mainly as an ironworker.

His marriage to Hazel Frank took place in 1934. Their two daughters are Donna (Mrs. Keith Forester) and Sharon (Mrs. Gerald Davies). They have seven grandchildren. They reside in a cosy country home at Bethel.

GEORGE MERCIER

After 31 years at the Copper Refinery, rhodium man George Mercier has retired on special early service pension. George first



Mr. and Mrs. Mercier

saw the light of day and grew up in Chapeau, on Allumette Island in Quebec. He joined the Company in 1937, and one year later was married to Elaine Brennan. One of their family of six, daughter Dorothy is the wife of Copper Cliff accounting department senior clerk Alex Burns. A matching total of six grandchildren complete the family. George and his wife will continue to reside in Sudbury.

ARTHUR ROYDON

Art Roydon, boxmaker at the nickel refinery in Port Colborne, has elected special early service retirement.

Born on Christmas Day in 1905 in Swansea, Wales, he came to Canada in 1929, and joined Inco on September 20, 1935. He became a member of the mechanical department in 1942.

Art was married in Port Colborne in 1935 to Fanny Hawkins.



Mr. and Mrs. Roydon

They have a family of three, with four grandchildren.

Art was a noted vocalist and a member of the Inco Glee Club in the early '40s. He will be kept quite busy through his offices in several fraternal organizations. The Roydons intend to re-visit the United Kingdom next spring.

FRANK SHEDLER

If Frank Shelders' health continues to improve he'll soon be swapping the winter scenery of his Azilda home on the shores of Whitewater Lake for the familiar streets in Groningen, Holland, where he spent the happy days



Mr. and Mrs. Shelders

of his youth. On disability pension after 21 years with Inco and the electrical department at Copper Cliff, the ex-welder now has plenty of time to organize his trip. Frank was 18 when he came to Canada, and was married to Ida Giametti in 1946. She died in 1963, and he was married for the second time when he took Katharine King as his bride in 1965.

ROLLY LAUZON

Born in Montreal, Rolly Lauzon doesn't remember much of the big city because he was only three



Mr. and Mrs. Lauzon

when his family moved to a Chelmsford farm. A Levack steel sharpener for the 31 years that he worked for Inco, Rolly has retired on special early service pension. He and his wife, Yvonne Belisle when they were married in Blezard Valley in 1941, have a family of two. Son Maurice is a Levack instrument man. The Lauzons plan to sell their Levack home and move to the 85-acre Chelmsford homestead. "It's peaceful in Levack," said Rolly, "but it's more so down on the farm."

Coinage Metal

At the end of 1967 a total of 31 denominations of pure nickel coins were in circulation in 17 countries, and 228 denominations of cupro-nickel coins were in circulation in 79 countries.

Member of the first graduating group in the supervisory leadership course, shift boss Al Manninen of Creon Hill mine receives his certificate from general manager, J. A. Pigott.



930 Will Receive Course In Supervisory Leadership

Presentation of certificates to the first graduating group in International Nickel's supervisory leadership course was made by general manager J. A. Pigott at the conclusion of the four-day conference at Inco Employees Club in Sudbury.

Congratulations to the men who completed the course were extended by Mr. Pigott, G. R. Green, assistant general manager (mining), and J. B. McConnell, manager of reduction plants. In brief remarks they stressed the importance of the studies to the Company's employee relations program.

During the next six months 850 members of front-line supervision, and 180 members of senior supervision and management,



will study the program covering the fundamental elements of supervisory work at Inco mines and plants. "The course is designed to suit our specific needs," said training co-ordinator Will Digby. "It is divided into eight units, each representing an essential element

of supervisory leadership. Each unit is made up of programmed instruction, filmed presentations by recognized management authorities, visual case studies, and post-film discussion periods."

Graduates of the first four-day seminar were enthusiastic about the additional insight they had gained into the work and skills of a supervisor.

Discussion periods which follow the programmed lessons last approximately two hours. They are friendly and informal, and freely explore the ideals and experiences of each member of the group. The conference leaders stimulate the discussions and see that every member of the group becomes involved in them.

Three groups of 12 members each take part in each seminar. Conference leaders are John Rickertson, Tom Antonioni, and Leo Pevato.

Covers Wide Range

During the eight half-day sessions of the course the conferees study the nature of leadership, examining the attributes of an effective leader. The factors that make people different, such as heredity, environment and perception, and the importance of recognizing differences in individuals, are studied.

Continued on Page 17



Looking over the written comments of the first graduating group, in evaluating the studies they have completed, are three of the course leaders with G. R. Green (right), assistant general manager (mining); Leo Pevato, training co-ordinator Will Digby, and John Rickertson. Fourth member is Tom Antonioni.

Lively Golfers Celebrate Success

With president Bert Squirell, men's captain Bob Seawright, and ladies' captain June Seawright doing the honors, trophies were presented to the season's champions of Lively Golf Club at a big closing banquet at the Italian Club, Copper Cliff.

The size of the turnout — 230 — was a good indication of the high level of enthusiasm in this bustling little club, which wound up another excellent season with 240 men, 230 ladies, and 100 juniors on its membership rolls. Secretary Walter Chornenky says it will be just as big or even bigger next year.

Substantial progress was made in the club's expansion program of lengthening four holes to bring par to 32, and enlarging the clubhouse.

Allan Vickman again came through as club champion, with Richard Vargo runner-up. First flight honors went to Eddy Mayer, with Robert Hreljac runner-up; in the other flights the winners were: second, Eddy Knezacek and Jim James; third, Ray Caverson and Jack Connors; fourth, Don Levac and Jack Gladstone; fifth, John Woznow.

Arietta and Hurlie Hreljac won the husband-and-wife club championship.

In the ladies' section Mary Clarke emerged champion, with Gerry Pappin runner-up. Marion Marlow and Miriam Squirell were tops in the first flight, and Jan Noonan and Anne Chornenky in the second.



AMONG THOSE PRESENT at Lively Golf Club's rousing season-closing celebration were Walter Tuttle, Mr. and Mrs. Dock Bruser, Mr. and Mrs. Al Este.



Mr. and Mrs. Stan Bryson, Mr. and Mrs. Bill McBain, Mrs. W. Tuttle.



Bob McCleary, Robby Robertson, Dick McLaughlin, Harry Harrower, Jack Hunter.



Mr. & Mrs. Brian Brownson, Dan Bradley, Bob Close, Mr. & Mrs. Will Moore.



John Filshie, Ellard Belter, Mr. & Mrs. Max Matte, Mr. & Mrs. Bill Seawright.



A DRILLER at Levack mine, Malthé Jensen started with Inco on May 1, 1941, his wife's birthday. Prior to that he had farmed in western Canada for 12 years following his arrival from Denmark. The Jensen family first appeared in the Album in January, 1949. Carol, 20, is the wife of Levack miner Gil Amyotte; Doris, 23, is married to Gerry Desormeaux, also of Levack, and Lawrence, 22, is employed in Sudbury. Four grandchildren will add to the pleasure of Christmas for Anne and Malthé Jensen.



THE WATER HAS FLOWED under the bridge for 18 years since Percy and Delia Hall and their family posed for their first Triangle family portrait in 1949. Their three youngsters of yesteryear are now adults and only Larry remains at home. Elaine (centre) is Mrs. Len Wilcox, lives in Chatham, Ontario, is the mother of one. Jeanette and her husband Ken Najanen live on Texada Island between Vancouver Island and the mainland, and have two youngsters. Percy joined the Company at Frood, later worked at Levack and Murray, and has been a drill fitter at Garson since 1960.



Family Al

THEN... and



SINCE MAY 1950 three new faces have been added to the handsome family of copper refinery transportation department checker Benny Moxam and his wife Judith. One thing hasn't changed though — Benny is still clerk of Waters township, a position he has held since 1947. Standing are Connie, a machinist apprentice at Creighton, Kerry, Anne, 17, Lynne, who was the youngest in the earlier group and is now the wife of Creighton driller Don Dagenais, and Wendy, 15. Seated with their parents are Ron of the Copper Cliff data processing department, Sharon, now Mrs. Dieter Timmers and a Copper Cliff smelter department steno, and Merrilee, 13.



bum NOW

AND SO HERE WE ARE AGAIN, taking another nostalgic Yuletide glance 20 years or so backward at nine of our Album families, and comparing with how they are today. It's pleasant, isn't it, to see how kindly time and tide have dealt with them within the Inco circle, fulfilling the promise of good looks and responsible maturity in bright-eyed youngsters, and ennobling fathers and mothers with the glow of successful parenthood. To them, and to the hundreds of other Inco families who have appeared on this page over the years, the Triangle Album extends a hearty "MERRY CHRISTMAS!"



THERE HAVE BEEN no additions to the Port Colborne family of Walter and Carmen Ursocki since their picture appeared in the August 1949 Triangle. Walter and his wife still live at 127 Neff Street but two of their grown-up family have left the nest. Theresa is now the wife of Port Colborne research station foreman Sam Berkhout and has three youngsters of her own, and Peter was married earlier this year. David, the young tot in the sailor suit in the earlier picture, is now 22. Walter works in the refinery carpenter shop as a box maker.



EIGHTEEN YEARS have slipped by since the Canistan family of Andy and Eveline McLean first got together for the Triangle camera. A general foreman at the smelter, Andy is now safety supervisor and conducts the plant safety school attended by all incoming employees. Seated with their parents in this happy group are Stobie maintenance mechanic Andy Jr., Ethel, the wife of iron ore plant maintenance mechanic Henry Grimord, and Joyce, now Mrs. Norm Johnson of Toronto. Standing are sons Don, Gerry, Garnet and iron ore plant electrician Bill. It would take a wide-angle lens to show all of the 21 grandchildren who have been added to this fine family since 1950.



THE FAMILY OF Stobie ventilation department's Bill Gaylar and his wife Florence has increased by one since the Triangle camera visited their home in 1950. The two young lads have grown into upstanding and responsible citizens, and are both married. Jim, left, teaches science at Garson, Bill, right, is a process operator in Hamilton and has three youngsters of his own. Newcomer to the scene, David, is 16, attends Lasalle secondary school. Bill joined the Inco Quarter Century Club in 1960, and now has 33 years of Company service behind him. Although no longer a player, he continues to take a keen interest in Sudbury soccer.



Family Album

(Continued from Page 11)



THE CHEERFUL COUNTEenance of Bert Meredith is familiar to legions in the Sudbury area who have enjoyed the invariably fine performances given by the veteran Sudbury Little Theatre Guild actor over the years. Starting with Inco in the stopes at Frood mine, Bert was personnel officer there in 1948 when the first portrait of his family was taken. He was assistant editor of the Inco Triangle from 1955 to 1965, after which he moved to his present post in the industrial relations department. Shown with Bert and his wife Frances are Bruce, attending University of Toronto, Diane (Mrs. Gordon Garret of Montreal), Joyce (Mrs. Bruce Preston of Vancouver), a faculty member of the University of British Columbia, and Debbie, 11.



IT'LL BE a rollicking Christmas again at the Bill Young home in Lively, with seven grandchildren now making the scene. The Youngs first appeared in the Triangle Album early in 1950, when Jean (now Mrs. Earl Basso of Sudbury) was 14, Colin 13, and Stuart 7. Since then Gordon, now 15, joined the tribe. Starting with the Company first in 1934, Bill is a first aid man at Creighton. He has given up the soccer and badminton, at both of which he was a star, but he is a devout curler.



A COMPANY disability pensioner since he retired from his job as floorman at Inco's High Falls power plant in 1959, Jack Forsythe and his wife Alma have lived in the peaceful riverside community beside the plant since 1942. Jack first joined the Company at Worthington mine in 1925, worked underground at Garson, and was a security guard at Creighton and High Falls before he started as a floorman in 1946. Standing left in the back row are the two young ladies who were in the 1948 Album picture; Carinne is now Mrs. Rene Hottel and Eleanor is the wife of Frood shift boss Arnold Sten. Sister Shirley is married to High Falls electrical supervisor Vince Haulahan. Bob, a Copper Cliff research technician, completes the picture.





Mrs. G. W. Thrall, Mr. and Mrs. C. Brooks.



Miss Allegra Walker, Mr. and Mrs. G. Pen.



Mrs. K. H. J. Clarke, Mr. and Mrs. D. C. McGavin.

150 Enjoyed Toronto QCC Meeting

At the 10th annual dinner of the Toronto Branch of the Inco Quarter Century Club a total of 150 members, guests and wives were on hand to enjoy the get-together in the handsome Ontario room of the Royal York Hotel. Members included many pensioners from the Sudbury district and Port Colborne operations now residing in the Toronto area.

Executive vice-president P. Foster Todd presented a gold membership button to a new member, Al Hughes, of the J. Roy Gordon research laboratory at Sheridan Park, formerly of Copper Cliff, and welcomed a member transferring from the Thompson branch, I. P. Klassen, now manager, process technology.

Songstress Mary Lou Collins, Canadian television star, headlined the entertainment program. Arrangements for the evening were capably handled by Doug Cousins of the Toronto office.



Mr. and Mrs. G. A. Hughes, P. Foster Todd, Mr. and Mrs. I. P. Klassen.



Miss Louise Schofield, Mr. and Mrs. A. H. Galley.



Fred Dim, Mrs. A. Nurisso, G. Nurisso.



(left) Mr. and Mrs. George Sullivan; (above) Mrs. L. E. Kitchener, Mr. and Mrs. J. C. MacKinnon; (right) Mr. and Mrs. W. G. Day.



36 in Judo Group At Thompson Club

After a glance at those flailing arms and legs, and then using a little imagination to visualize the forthcoming back-of-the-neck type landing, it's a trifle hard to believe the dictionary description of judo as the "soft art".

The action was shot at one of the thrice-weekly work-out and instruction classes held at the Thompson Community Club. Seen putting the arm on Jim Proctor of the smelter is Birchtree miner Fred De Boer. Both lads hold their green belts, the fourth degree of efficiency in judo.

"Let's not confuse judo with karate," said blue belt instructor Bill McLaren, who came to Thompson from Ottawa earlier this year. "Judo is the art of self defence where a fighter uses

the strength and weight of his opponent to his advantage. Karate, on the other hand, is designed for attack and to kill."

Some of the 36 members of the group, seen in the background are Bob McLeod, Andre MacNeill, and Peter Van DeKerck of Thompson T1 shaft, Heinrich Stoffel of Birchtree mine, and Ron Basarava.

Satellite Messages

A personal transceiver, which man can use to speak to any person on earth, could possibly replace the telephone, as we know it today by 1985. Satellites using nickel-containing alloys will beam the signal toward the desired receiver wherever it is.

Luck affects everything; let your hook always be cast; in the stream where you least expect it, there will be fish. — Ovid.



***"The Biggest
Little Library
in Canada"***





The librarian, Miss Enid Holden



WITH THE LARGEST per capita circulation in Ontario, the Copper Cliff public library lays fair claim to the title of "the biggest little library in Canada".

A handsome new building, the town's major Centennial Year project, houses this hive of mental recreation which has 15,000 books on its shelves plus the almost infinite resources of the provincial regional library system at its command.

Annual circulation is close to 70,000 books, which works out to 20 books a year for every man, woman and child in Copper Cliff.

What makes the smelter town one of the "readingest" communities in Canada? The answer has to lie in the alert, progressive service provided by its public library.

"Copper Cliff people are genuinely interested in books," the library board chairman, A. D. Crossgrove, states. "We try to keep in touch with the reading trends, and stock our shelves with what they want. Our librarian, Miss Holden, does a wonderful job of making the library a real community service."

Another compliment for the library and Miss Holden came from W. M. Harrington, principal of Copper Cliff High School, whose students use it extensively in their study assignments. "The library has been invaluable to us in stimulating the students to research their projects. Miss Holden takes a personal interest in helping them find the information they need in the library's excellent reference section, and continually scans periodicals and other publications for material she feels will be useful to them."

This dedicated librarian's influence is also shown by the reading habits of the waves of public school children who descend on the library in the afternoons. Directly reversing the national trend, they reach for books on popular science, history, geography, etc., at the rate of four to one over fiction. Miss Holden gently but persistently nudges them in this direction, and they respond beautifully.

A number of volunteers, like Mrs. Herb Stewart, Mrs. Bill de Soto and Mrs. Alvin Nickle, regularly turn up to help with the big turnover of books at the children's afternoon sessions. Miss Helen Montgomery is a part-time member of the staff.

First Grant in 1903

A grant of \$20.00 from the town council put the Copper Cliff library in business back in 1903. It became an associate library in 1918 and a public library in 1955.

When Miss Enid Holden arrived in 1957 from Trenton, where she

Continued on Page 16





Laura and Jack MacIver while away many a pleasant hour at their hobby.

Creating in Liquid Plastics Pleasant Retirement Hobby

The rugged hands that served him through 40 years of hard-rock mining are now engaged in the delicate art of creating in liquid plastics, and they're just as efficient with the tweezers as they were with the drill.

Former general foreman Jack MacIver, who retired on pension from Garson mine in 1964, doesn't go along with the claim that you can't teach an old dog new tricks.

His new hobby started last winter when he and his wife Laura ducked the rigors of northern snow and ice and spent from January to April at Apache Junction in "the valley of the sun", Arizona.

"We were members of the group who are known down there as the 'snowbirds'," explained Jack with a grin. "And the luckiest thing that happened to us was when we enrolled in the City of Mesa parks and recreation program and spent a very enjoyable time receiving craft instruction at The Art Barn."

Jack chose liquid plastics and Mrs. MacIver settled for rock art. They pooled their new-found knowledge and are now a producing team.



Jack gives a glittering seahorse a critical appraisal.

"It's an absorbing and enjoyable little hobby," enthused Jack as he arranged a display of expertly made ash tray holders, colorful toast racks, glittering sea horse wall plaques, shiny key chain fobs, bunches of multi-hued out-size grapes on driftwood mounts, and many more artistic and attractive items.

The various shapes are cast in molds in clear polyester resin to which can be added one or more of a wide variety of transparent dyes. Mixing in the color must be done carefully in order to avoid air bubbles.

Lots of Artistic Scope

The mixture is inert until a catalyst or hardening agent is added and then the know-how and artistic touch come into the act. The shape is built up in layers of two or three pours, in which can be embedded polished stones, coins, insects, flowers, sea shells, and a whole host of other items only limited by the imagination of the artist. These are arranged at just the right moment when the hardening liquid will still receive them.

The finished product is rock-hard and ready for removal from the mold in two hours.

Completed pieces don't stay around the MacIver house for very long. "We give them away to family and friends," said the hobbyist who this year is solving his Christmas gift problems in the comfort of his basement workshop.

A keen experimenter, Jack has set his heart on making a plastic table top with polished sections of the many and varied Sudbury district ores and rocks embedded in it.

"My friends and I will be able to have a cup of coffee and study local geology at the same time," he said with a chuckle. "I saw enough of it underground — now's my chance to enjoy it by daylight."

Classy 'Do'

Continued from Page 3

can be done. Individual mines and groups have proven it. Some of our mines have operated for more than 12 months without an accident. They have shown that total safety is attainable. Our objective is to reduce accidents to zero."

No Threats to Canada

Mr. Todd reviewed the Company's world-wide expansion and stated that:

"Some of you may feel that these world-wide projects represent a threat to Inco's Canadian production. I assure you that they do not. If we are to meet the growing demand — and we must meet this demand if we are to prevent our customers from turning to competitive metals and other materials — then we and others simply must produce more nickel. But I can say to you with complete assurance that whatever new overseas properties are brought into being, either by Inco or by our competitors, Canadian nickel for the foreseeable future will be the heart of our production. Both the Manitoba and Ontario divisions of the Company will be bigger producers in the future than they are now. I hope that this statement (which incidentally has been made in one form or another in recent months by both our chairman and our president) will set at rest any doubts you may have about the future of the Company in this country, and specifically here at Thompson. Thompson will be here for a long, long time to come."

Neither of these objectives — greater safety and greater production — can be achieved if we simply rest on past accomplishments. The Company's basic assets are not, as some stock market analysts would have you believe, in the ground. They are here in this room. Without competent, knowledgeable, energetic people, the Company is nothing. You and your Quarter Century Club colleagues elsewhere in the Company around the world are what makes the whole thing work."

New Member Inducted

During the dinner meeting the incoming member of the club, Gus White, was presented by Mr. Todd with his gold 25-year badge. The Thompson membership remains at 24, several members having been transferred to other chapters.

The Inco suite at the Burntwood Hotel was the scene of a congenial cocktail hour, following which the 75 members and guests adjourned to the nearby Polaris Club for a sumptuous dinner.

J. Ross Hawkins was in charge of the ceremonies. Pleasant dinner music was provided by "Sandy" Sabatino at the organ.

The gathering was treated to original songs with a Quarter Century Club flavor written and rendered by Thompson's poet laureate, Fred Price of the engineering department. The proverbial dropping pin would have easily been heard during Marg Price's dramatic reading of her husband's ode to Thompson, "The Birth of a Town."

Guitarist, singer and whistler, Natchau Palatio of the smelter warehouse rounded out the enter-

tainment with a selection of songs from his native Spain.

Individual cup and saucer sets were presented to the ladies.

Library

Continued from Page 13

had been librarian at the RCAF station, she found an excellent but unclassified foundation of books which she promptly set about re-organizing according to modern library standards. The move last year from the old quarters above the town municipal offices to the gleaming new building at the corner of Balsam Street and Garrow Road offered opportunity for further streamlining, and the result is a model of convenience and efficiency.

Both nickel stainless steel and copper add native decorative effects to the exterior of the attractive new library, which is built in a pleasing combination of brick and stone. On the inside, color is liberally used to provide a cheerful, crisply modern but relaxing setting for browsing among the book-laden shelves or settling down to read or study. Artistic displays arranged by Miss Holden are themed to changing seasons or special occasions.

Townpeople and various organizations contributed generously toward the handsome furnishings in the library, to have a share in the community's Centennial project. A. Y. Jackson original paintings were contributed by a lifelong library enthusiast, Walter Stewart of Toronto, and his daughter and son-in-law, Mr. and Mrs. John Dowsett of Copper Cliff.

Majority Serious Readers

Copper Cliff people read much less fiction than the average Canadian community, Miss Holden says. They are strong for biographies, historical or otherwise, and, of course, mysteries. Books on the political and social sciences are much in demand, as are texts on management techniques and do-it-yourself projects. There's a steady call for anything about six phenomena as flying saucers or extra-sensory perception.

Lloyd C. Douglas, Thomas B. Costain, Alice Turnbull and Mazo de la Roche are still holding their own with current best-sellers. Horatio Alger is a thing of the past, but the Hardy Boys are still going strong. "To Sir with Love" has already become a classic, like "Goodbye Mr. Chips". Gordie Howe on Hockey is on the move the year 'round. As for books on home decoration and building, and believe it or not, cook books, the demand is insatiable. "We could use a thousand of these and not have enough," Miss Holden says.

In addition to the 15,000 books on its shelves, the library receives a selection of 1,400, changed four times a year, from the North Central Regional Library at Sudbury. This affiliation, making more than 60,000 titles available either in lots or on individual request, is operated by the Province of Ontario.

Members of the Copper Cliff library board are A. D. Crossgrove (chairman), Mayor R. G. Dow, T. H. Peters (secretary-treasurer), Mrs. Don Stickles, and J. Harold Bruce. Mr. Peters is the representative on the regional library board, of which he is chairman.

Refinery Brains Boost Safety with Automated Feed

A new muscle-saver went into operation at the Copper Refinery recently when a cleverly conceived automated feed system was added to the No. 1 cathode shear in the anode storage building.

The feeder is capable of delivering 250,000 pounds of copper cathodes to the shear during an 8-hour shift.

A salvaged cathode pier from the tankhouse was pressed into service to feed the feeder; receiving a 10,000-lb. load of cathodes from the crane, it turns them through 90° before depositing them on a power roll conveyor, which then positions the stack beneath the end stroke position of a horizontally travelling vacuum lift.

The lift descends, fastens its two rubber-skirted suction heads on the top of the stack, raises a 250-pound cathode, and transfers it to the shear table. A pushing conveyor then takes over and slides the cathode into the jaws of the shear.

The suction head is powered by

In this overall view of the fully automated feed system, shear gang straw boss Giovanni Cavallin is preparing to position a 10,000-lb. load of pure copper cathodes, 1/2-inch thick by 36 inches square, on the cathode pier in the foreground. From then on machinery takes over and the 250-lb. cathodes are delivered to the shear at the rate of two a minute for a 1-cut pass, and one a minute for a maximum 8-cut pass.



a 15-hp pressure blower.

Together with the new feed arrangement, an additional shear and conveyor system was installed to handle further cutting of the cathodes, thereby eliminating a

second handling of the copper plates as previously.

Twofold benefits have resulted from the new setup. From the all-important standpoint of safety, the hazards of man-handling the 36-

inch square cathodes onto the shear table have been eliminated, and, from the production viewpoint, the installation will cope with the steadily increasing marked demand for cut cathodes.

New Thompson Electric Furnaces Have Pneumatic Budding Machines

Part of the first stage in the multi-million dollar expansion of Inco's Manitoba division's facilities, the first of two new electric furnaces at the Thompson smelter has been producing nickel matte on a work-in schedule since November 1.

Much bigger than the three original 18,000 kva electric furnaces, the new unit packs a punch of 30,000 kva, has an inside brick length of 98 feet compared to 90 feet in the other three, is three feet higher and eight feet wider. The six cylindrical electrodes are 55 inches wide, compared to 48 inches. The throughput rate of the new electric furnace is 70% greater than the 18,000 kva unit.

Pre-heating of the unit started on October 15 with oil burners and the introduction of molten slag, 925 tons of which had been poured in after one week of warm-up. During this period, the six electrodes which are cast in place by a continuous process of adding electrode paste and circular metal forms at the upper ends, were baked into solid form.

A greater head of matte and slag — 64 inches against 51 inches on the smaller units — will create much greater pressure at the three matte tapping blocks, and before the furnace reaches its full capacity a new pneumatic budding machine to extrude clay buds into the tap hole will be installed.

In the Tapping Scene

In the picture, at top left, taken at the converter aisle end of the new furnace, nickel matte at 2,100 F. can be seen flowing down one of the three water-cooled launders following opening of the matte block. At the launder is furnace operator Barney Deschambault, while on the right, with

the oxygen lance which he used to burn open the tap hole, is furnace operator helper Bob Denis. Matte man Al Kennedy can be seen clearing accretions from the slag return chute. Carefully designed and well ventilated, the clean spacious area around the launders greatly enhances on-the-job safety.

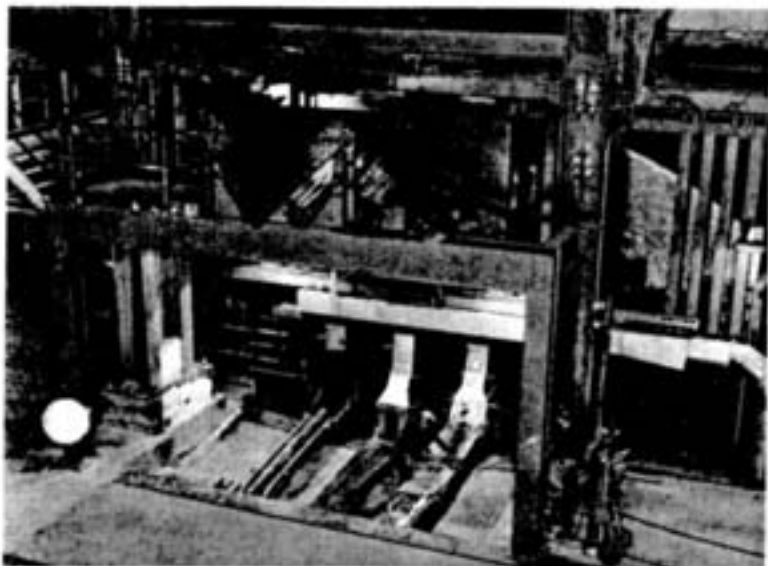
A black and white picture really doesn't do justice to the scene at the slag discharge end of the furnace, shown lower left. Promptly dubbed "the pumpkin", the hood over the slag granulator pit is made of fibre-glass, and picks up and transmits the ruddy red glow of the molten slag before it is cooled and granulated by high pressure water jets and then pumped to the slag disposal area. Seen on the left, controlling the 2,350 F. slag flow at the water-cooled copper tapping block is furnace operator helper Herman Blank.

Receive Course

Continued from Page 3

Behavior patterns and their underlying causes such as traits, attitudes, personal needs, and frustrations are examined. Ways to improve and maintain communication with employees are discussed. The nature of rules and regulations, the framework of fact finding and disciplinary action are studied, as also is the handling of complaints and grievances.

The differences of technique between teaching and developing in job instruction, and the appraisal of ability, are considered, and a thorough study is made of factors influencing motivation and morale.



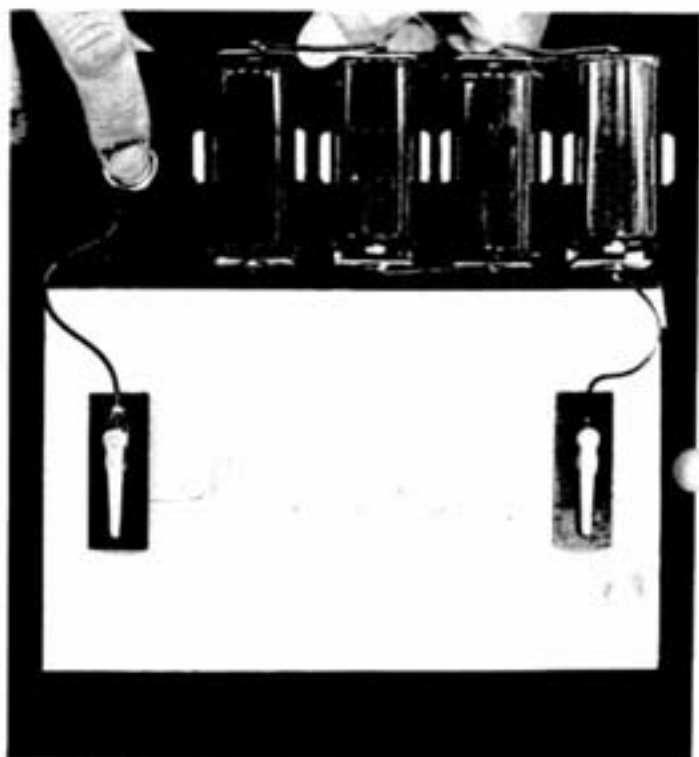
Tapping matte from first of two new 30,000 kva electric furnaces at Thompson.



Fibre-glass hood over the slag granulator pit is known as "the pumpkin".



Nitinol wire at high temperature is formed into the word *Innovations*, then cooled and twisted until it becomes illegible (above). When heated again the wire returns to the shape of the word (right).



The Nickel Alloy That Remembers

Like many scientists before him, metallurgist William Buehler was blessed with serendipity, the gift of finding something valuable without actually looking for it. Assigned by the Naval Ordnance Laboratory in Maryland to find a nonmagnetic and noncorroding material for tools and could be safely used in dismantling magnetic mines, he finally hit upon 55-Nitinol, a nickel-titanium alloy. During further experiments, however, he discovered that the alloy also had a strange and mysterious quality in the realm of science fiction: It had a "memory".

During laboratory tests, Buehler and Physicist Frederick Wang reported in *Ocean Engineering*, they fashioned Nitinol into a complex shape at a high temperature, then cooled it and crushed it beyond recognition. When they heated the alloy again, it magically regained its original shape, "remembering" every curve and angle.

The explanation, the scientists say, is that the Nitinol alloy was heated and shaped above its "transitional" temperature range — the temperature at which

there is an atomic shift, or a change in its crystalline structure — then allowed to cool. No matter how they then distorted the alloy when it was below its transitional temperature, the atoms dutifully shifted right back to their original positions as soon as the alloy was heated above that temperature again. Why the same phenomenon does not take place in other alloys, which also undergo atomic shifts during temperature changes, is not yet clear.

Although the theory remains vague, the potential uses of Nitinol alloys seem apparent enough. Goodyear Aerospace Corp. has already demonstrated that a complex Nitinol satellite antenna crumpled up into a small ball before launching can be restored to its original form simply by heating it in space. The same procedure has been proposed for orbiting a radio telescope as large as a mile in diameter. "All we have to do," says Buehler, "is put these large structures into suitably compact packages on the ground and then kick them into space and let them unfold from solar heating."

The transitional temperature of these structures and of all Nitinol alloys can be "set" anywhere from -320°F. to 330°F. , Buehler explains, either by varying the percentages of nickel and titanium or by substituting cobalt for some or all of the nickel. Instead of going to the trouble of assembling structures under the sea, for example, Buehler suggests prefabricating them out of Nitinol set below sea-water temperatures, cooling and compressing them and then airdropping them — still cooled — into the water. Raised above their transitional temperature by the water, they would unfold and remain rigid on the ocean bottom.

Nitinol's habit of springing back to its original shape when heat is applied also suggests to scientists that it can be used to convert heat energy to mechanical energy. Thus, say Buehler and Wang, it could be used in fire-extinguisher activators and circuit breakers. "The beauty of Nitinol," says Buehler, "is that it's something you load ahead of time. Then if you put it in the correct temperature range, it pulls the trigger itself."



Mr. and Mrs. A. McLean, Mr. and Mrs. W. Kilbride, John Moroz and his sister Mrs. Budnach, Mr. and Mrs. A. Portelance; Mr. and Mrs. L. Lafontaine, Mr. and Mrs. R. L. Snitch.

McLean Shift Honors Four Pensioners

In the busy round of social events among Inco people, no gatherings are better attended or more enjoyed than the annual "stag and doe" parties given by the various shifts at Coniston smelter.

Originally for men only until somebody "saw the light" and decided that the gentler sex should be invited to add beauty, class, and delightful companionship, the Coniston shift banquets are very popular events.

There were 180 present at the McLean shift party in October, held in style at the Club Allegri.

Four members of the shift who have retired on pension during the past year, John Moroz, Leo Audette, Wm. Kilbride and Leo Lafontaine, received gold watches and best wishes, the presentations being made by John Haluschenski, Eddy Frappier, Cyril Riles and Sid Kosiw.

A special event was the presentation of a lazy-boy chair to Andy McLean, the popular shift general foreman since 1950, who was recently appointed general foreman safety instructor. He has been succeeded as shift general foreman by Bob Cresswell. Doing the honors making the surprise presentation to Andy were Pete Lalonde, Keith Rafuse, and Ernie Deforge.

Superintendent R. L. Snitch and assistant superintendent Reg MacNeil gave brief addresses. Chairman of the program was the shift's efficient secretary-treasurer, Aurel Portelance.

LEO LAFONTAINE

Retired on special early service pension from Coniston smelter, where he was feeder boss on the charge floor, Leo Lafontaine had over 35 years with International Nickel.

He has been a resident of northern Ontario almost all his life, having come from Quebec to St. Charles with his family at the age of one.

He was married in 1930 to Jeanette Asselin, who died in 1956. Of their family of seven, two sons are Inco men, Marcel at Garson mine and Danny at Creighton mine. There are 13 grandchildren.

He remarried in 1959, taking Annette Boivin as his wife.

WM. KILBRIDE

Another Coniston old-timer honored at the banquet, Wm. Kilbride, wound up an Inco career of 35 years when he retired on special early service pension.



R. Cresswell and his mother, Mrs. F. Cresswell, Mr. and Mrs. J. Haluschenski; Mr. and Mrs. Len Collin, Mr. and Mrs. Harry Stevenson.



Mr. and Mrs. R. MacNeil, Mr. and Mrs. L. Audette, Mr. and Mrs. Fern Samure, Mr. and Mrs. R. Dauphinais.



Mr. and Mrs. R. Paquin, Mr. and Mrs. M. Paquin, Mr. and Mrs. A. Pilote, Mr. and Mrs. F. Cronwell.



Mr. and Mrs. M. Di Pietro, Mr. and Mrs. A. Pietrandrea, Mr. and Mrs. P. Davis, Mr. and Mrs. L. Boyer.

He was born at Quyon, P.Q. His marriage to Arthimise Jones of Garson, whose father was an International Nickel employee, took place in 1937. They have a family of two, with three grandchildren.

An account of the retirement of John Moroz appeared in a previous issue of the Triangle.

BIG CHANGE

The geologist was reading a letter from his wife and seemed rather worried about it.

"What's the matter?" asked his chum. "Is there trouble at home?"

"Well, not exactly," replied the exploration man, "but it sounds as if we've got a freak in the family. It says here, 'You won't know Willie when you get back; he's grown another foot.'"

New Inco Director

J. K. Jamieson, president and a director of Standard Oil Company (New Jersey) and vice-chairman of its executive committee has been elected a director of The International Nickel Company of Canada, Limited, Henry S. Wingate, chairman, announced December 2.



A native of Medicine Hat, Alberta, Mr. Jamieson attended the University of Alberta. He began his career in the oil industry in 1932, a year after graduating from Massachusetts Institute of Technology. From 1948 through 1958, he was

associated in Canada with Imperial Oil Limited, an affiliate of Jersey Standard, where he was a director and vice-president.

In 1959, he was elected president and a director of International Petroleum Company, Limited, a Canadian corporation and a Jersey Standard affiliate, which has operations in Latin America.

During World War II, he served in the oil controller's department of the Canadian government. He is active in a number of organizations concerned with international relations, educational matters, and charitable endeavors.

"Have a cigaret?"

"No thanks, I've given up smoking."

"Well, take one for tomorrow morning."



Foot & Hangingwall Turns Calendar Back To Roaring Twenties

The calendar flipped back more than 40 years when the guys and gals of the geophysical and geological department's Foot & Hangingwall Society got together at their annual ball.

"Those were the days — the roaring '20s." So ran the theme of the shindig, and if the folks who kicked up their heels in that hectic era had as much fun as did the 250 couples at the party, then the statement is well and truly confirmed.

Some of those present, seen in the picture above draping themselves all over a genuine 1929 Model A Ford supplied by Harry Kalaba of the geophysical department, and sporting jaunty straw boaters, 'coon coats, derbys, and the beads and fringes of the era, are Louis Fajez, Bud Savage, Joe and Emily Miheichik, Doreen and Karl McIntosh, Lesley Chorlton, Dick Dean, Bob and Joan Clark, Gordon Colgrove, "Bonnie", Helen and Dick Dow, Jeanette Ayotte and Tom Duff.

Seated front and centre, Helen Dow took first prize for her cleverly created old time costume.

Chief organizer of the affair was Bud Savage, who, together with Dave Walsh and artist Orest Andrews produced the ballroom decorations which included hilarious cartoons depicting the lighter side of geology, and 15 larger-than-life photographs of movie stars of the '20s.

The youthfulness of the gathering was revealed later in the evening when the partygoers competed to identify the movie stars, and get stuck on several of the old-time cinema greats.

A clever puppet show filled one dancing intermission: Moe Sears' dolls fell right in line with the theme of the evening by nimbly demonstrating the Charleston.



Jacqueline Lane, squired by husband Peter, receives her corsage at the door from Diane Parisotto. On the right the F&H Society president Guy Bray and John Mullock extend a cordial welcome to "Bonnie", who with her hard-shootin' hubby "Clyde" was a special guest at the party. Refugee from a department store window, Bonnie doesn't register much interest in that pair of gay blades.



COULD BE!

Maybe the old colored lady had something when she said, "Lawdy,

chile, when you ain't got no education, yo jus' got to use yo brains."



Appointments

J. B. McConnell, manager of reduction works, announced the following appointments, effective November 1:

J. E. Lee, assistant to the superintendent of mills;

R. N. Browne, superintendent, Copper Cliff mill.

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Born in Toronto, James E. Lee graduated in mining engineering from the University of Toronto in 1938 and went north to Kirkland Lake, where for four years he was employed at Macassa Gold Mines, Ltd.



J. E. Lee

When he joined International Nickel at Copper Cliff in 1942 he was assigned to process research and worked on the successful development of the matte separation process for the smelter.

He transferred to the Copper Cliff mill as general foreman in 1947, and became superintendent early in 1955.

His marriage took place in 1947 to Jessie Corbett, a member of Sudbury High School teaching staff. He has one son.

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Robert N. Browne was born in Montreal but resided in England for many years. He graduated from Camborne School of Mines, Cornwall, in 1955.



R. N. Browne

He came to International Nickel in 1957, starting in the Copper Cliff mill. He was transferred to the Levack mill, where he was appointed assistant superintendent in 1964. He became assistant superintendent of the Copper Cliff mill in June, 1967.

He was married in England in 1957 to Margaret Quinn, and has three sons and one daughter.

I know of no case where a man added to his dignity by standing on it. — Winston Churchill.

A FINE PARADE

Yuletide really started to arrive in the Nickel Belt on Sunday, November 24, when Santa Claus brought his great parade to the streets of Sudbury with gladsome sound and brilliant color.

Raw, chilly weather was forgotten by the thousands lining the route as the year's favorite spectacle warmed the hearts of adults and sent youngsters starry-eyed with excitement.

Marching bands, cheerleaders, clowns and many handsomely decorated floats took part in the long-thrilling procession. Small boys gazed rapturously at life-size replicas of dinky toys they hope to find under the tree on Christmas morning — fire trucks, an ambulance, cement trucks and trailers, and earth-moving equipment.

To the eternal credit of Ken Fyall and his hard-working committee, the parade started on time and held tight to its schedule.