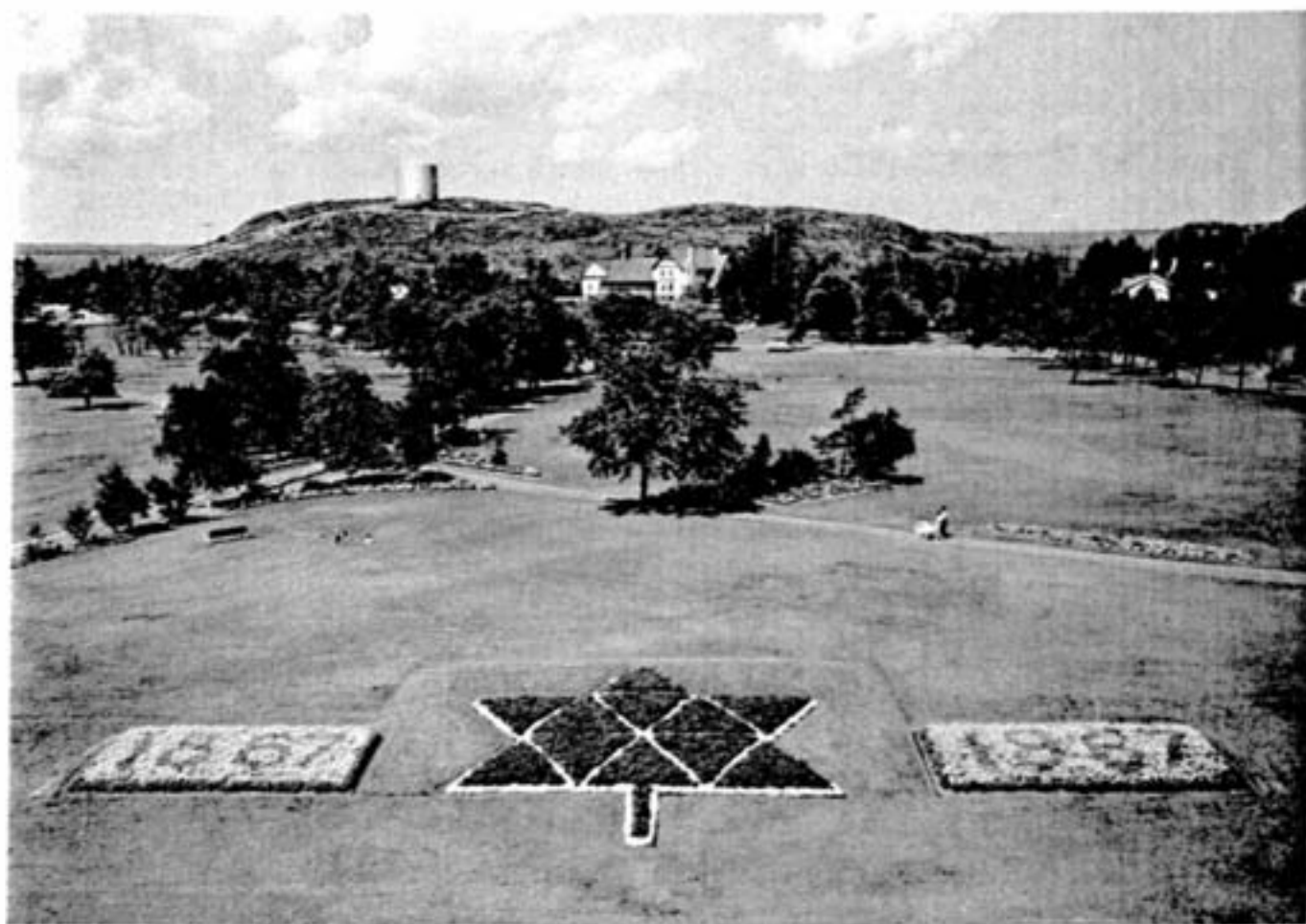


# INCO TRIANGLE

VOLUME 27

COPPER CLIFF, ONTARIO, AUGUST, 1967

NUMBER 5



*Centennial Salute in Copper Cliff Park*



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

D. M. Dunbar, Editor  
D. J. Wing, Assistant Editor  
Editorial Office, Copper Cliff, Ont.

Authorized as second class mail by the Post Office Department, Ottawa, and for payment of postage in cash.

Material contained in Inco Triangle should not be reprinted unless permission has been obtained from The International Nickel Company of Canada, Limited, Copper Cliff, Ontario.

## Appointments

### ONTARIO DIVISION

R. R. Saddington, assistant to the general manager, announced the following appointments effective June 1:

H. B. Fowler, superintendent, Frood-Stobie mill;

K. R. Kay, assistant superintendent, Frood-Stobie mill;

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

G. R. Green, manager of mines, announced the following appointments, effective July 1:

H. R. Jarrett, mine engineer, Creighton mine;

J. K. Conibear, mine engineer, Garson mine.

W. A. McCadden, comptroller, announced the following appointments in the Copper Cliff accounting department, effective July 1:

J. E. Fowler, assistant division comptroller;

R. A. Corless, assistant to the division comptroller.

### H. B. FOWLER

A Nova Scotia man, Hilton Fowler was born in Springfield, attended Mount Allison University, and received the degree of B.Sc. in mining engineering from Nova Scotia Technical College in 1952.



H. B. Fowler

Following graduation he came straight to the Copper Cliff mill of International Nickel, where he had worked the previous summer. During two years spent at the Creighton mill he became a shift boss, and, back at Copper Cliff, he was promoted to assistant mill superintendent in 1960.

His marriage to Anne Sullivan of the Copper Cliff accounting department took place in Sudbury in 1954. He has three daughters and one son, and resides in Lively.

### K. R. KAY

Born in Winnipeg, Ken Kay spent his boyhood on McKenzie Island near Red Lake, Ontario. Graduating in 1958 from McGill University with his engineering degree, he worked as a metallur-

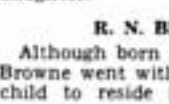


gisting along in his home-built Arrowhead sloop, with a brisk breeze tugging at the canvas and fleecy clouds overhead, Frood mine engineer Gerry Smith hasn't a care in the world. He and his crew, his son Ken and Ian Thompson, were competing in the Sudbury Yacht Club's successful Centennial regatta at Lake Ramsey when the picture was taken. Twenty boats were entered.

gist at Elliot Lake until he joined the International Nickel research department at Copper Cliff in 1960.

He has since held the position of research engineer at the Iron Ore Plant and at the Copper Refinery, and for the last year has been test engineer at the Copper Cliff mill no. 1 pilot plant.

He is married to the former Elizabeth Linham of Copper Cliff and has one son and one daughter.



K. R. Kay

### R. N. BROWNE

Although born in Montreal, Bob Browne went with his family as a child to reside in England. He attended Cambridge School of Mines, Cornwall, graduating in 1955.



R. N. Browne

After serving two years with the Royal Engineers at the training school in Yorkshire, he came to International Nickel in 1957, starting in the Copper Cliff mill. Transferred to Levack, he was appointed assistant mill superintendent in 1964.

He was married in England in

1957 to Margaret Quinn, and has three sons and one daughter. Skiing and tennis are his favorite recreations.

### H. R. JARRETT

Since he joined International Nickel in 1940, following his graduation in mining engineering from Queen's University, Harvey Jarrett has served on the engineering staffs at most of the Inco mines in the Sudbury area.

During the past 10 years he has been at Garson, where he was appointed mine engineer in 1965, following eight years as assistant mine engineer.

By a rare coincidence he and the man he succeeds as mine engineer at Creighton, Bert McCormick, both came from the town of Weyburn, Saskatchewan.

He was married in 1943 to Jean Woods of Sudbury, and has two sons.

Among his community activities is the Sudbury Planning Board, of which he has been a member for several years.

### J. K. CONIBEAR

Assistant mine engineer at Garson since February of 1965, Ken Conibear came to International Nickel at Creighton in 1952.

Following 10 years at Creighton he was on the staff of the mines engineering department at Copper Cliff for three years before moving to Garson.

Graduating from the University of Toronto in 1951 with a B.Sc.

degree in mining geology, he then spent a year with a Toronto firm of consulting engineers on geological exploration.

He was married in 1952 to Margaret Dickout at Ingersoll, and has two sons.

### J. E. FOWLER, R. A. CORLESS



J. E. Fowler R. A. Corless

The appointments of J. E. Fowler as assistant to the division comptroller, and R. A. Corless as administrative assistant (accounting) were published in March, 1966.

A University of Toronto graduate, James Fowler joined International Nickel at Copper Cliff in 1964 after seven years as an accountant with Price Waterhouse and Company, Toronto.

Ross Corless has had a long career with the Company, starting as a timekeeper with Mond Nickel at Levack in 1926, three years before the merger with Inco. He was in charge of the insurance and retirement section at Copper Cliff from 1943 until 1966.

### MANITOBA DIVISION

J. McCree, general manager, Manitoba division, announced the appointment effective July 29 of E. F. Winter as assistant to the division general manager.

Born at Pittsfield, Illinois, Eugene Winter received his high school education at Fredericktown, Mo., and graduated in chemical engineering in 1950 from the Missouri School of Mines.

Prior to joining Inco at Port Colborne in 1960 as process engineer he had been quality superintendent for U.S. Gypsum at Genoa, Ohio, research supervisor for National Lead Company at Fredericktown, and metals section supervisor for Freeport Nickel at New Orleans.

He was appointed assistant to the manager of the nickel refinery at Port Colborne in July, 1962.

His marriage to Recetha Barr took place at Muncie, Indiana, in 1947. He has one daughter.



E. F. Winter



A live-wire in promoting boys' sports at Port Colborne, is Fred Butler, who coaches in the minor baseball league and is both coach and referee in minor hockey. Here he is with his wife Helen and their four smiling sons, Fred Jr., 12, Randy, 9, Mark, 15, and Brian, 11. Employed in the yard and shipping department at the Nickel Refinery, Fred has been with the Company for 13 years.



An Inco employee since 1965, Oliver Filler was born and raised on the northern tip of Newfoundland at Raddickton, on Chimney Bay. A long-hole driller at Creighton 3 shaft, he and his wife Daphne are shown with their family of Jacqueline, 2, and 4-month-old Jody. An ardent fisherman, Oliver admits that sometimes he yearns for the ocean and the surf casting he left behind him.



A recent chemistry graduate from the University of Manitoba, Brian Lyons joined the Company earlier this year in the chemistry lab of the Copper Cliff research department. He is a native of Flin Flon, Manitoba, while his wife Eileen hails from Estevan, Saskatchewan. Their three little ones are Tara, 4, Tal, 3, and Tammy, 15 months.

## INCO FAMILY ALBUM



Rockhouse boss Willard Heacock has worked at Levack since he joined the Company in 1937. He is seen here with his wife Irene and their two strapping sons, Terry, 19, who attends Levack high school, and Dennis, a graduate engineer working with the Frood mechanical department. The family camp at nearby Windy Lake is home to the Heacocks from June to September.



Robert Furlotte and his wife Daisy were married for 15 years before they were blessed with the first of their king-sized family. A 1st class plateworker at Frood, Robert came to Inco from Jacquet River, New Brunswick, in 1936. Copper Refinery personnel will remember Mrs. Furlotte, who worked there in the pay office during the war years, while Robert was serving as a machine-gunner in Europe. In the back row are Robert Jr., 14, and Joanne, 11; in front, Rita, 13, Melanie, 4, Kenny, 5, and Arden, 9.



An active golfer, Iron Plant electrician Brian Cresswell is pretty happy to be living on Birch Street in Lively, with the golf course at the bottom of his garden. Brian joined the Company in 1959, served a four year electrical apprenticeship at Copper Cliff, and moved to the IORP in 1964. He's shown with his wife Jeanet, Natalie, 9 months, Allen, 4, and Peter, 2.



Big news had just broken for the Laure Noble family at Thompson when this picture was taken: notice was received of final arrangements for building a new home in the Westwood subdivision. A metallurgical technician, Laure came to Inco from Fort Frances four years ago. Here he is with his wife Margaret and children Neal, 8, Joanne, 5, and Ray, 9.

# Schematic Drawing Shows Working Stage

## Sinking 9 Shaft At Creighton Is Unique Operation

A four-deck, self-contained steel stage, hung on two high-tensile wire ropes with a tripod suspension, is the working platform for sinking operation on Creighton new shaft No. 9, which will be the deepest under the shaft in the Western Hemisphere—2,550 feet from surface.

The 50-foot stage, with its arrangement consisting of this type grab for sinking rock from the shaft bottom, a circular shaft sinking at bottom and a steel bucket for the sinking device, which is an integral part of the apparatus, the stage carries the delicate equipment and the steel forms used in construction.

In a large iron shaft such as Creighton No. 9, which is 21 feet in diameter and is being lined with concrete throughout, the stage apparently effects a great saving over conventional shaft sinking methods in time and handling of materials.

Two hoists are used in the operation, one exclusively for the stage and the other for regular hoisting duties.

### Now Over 1,800 Feet Down

The new shaft has now passed the 1,000-foot mark. The first shaft sinking, commencing with Creighton No. 9 shaft operations, was cut at 2,350 feet and the second at 3,800 feet. Statistics will show that every 200 feet for the balance of the shaft.

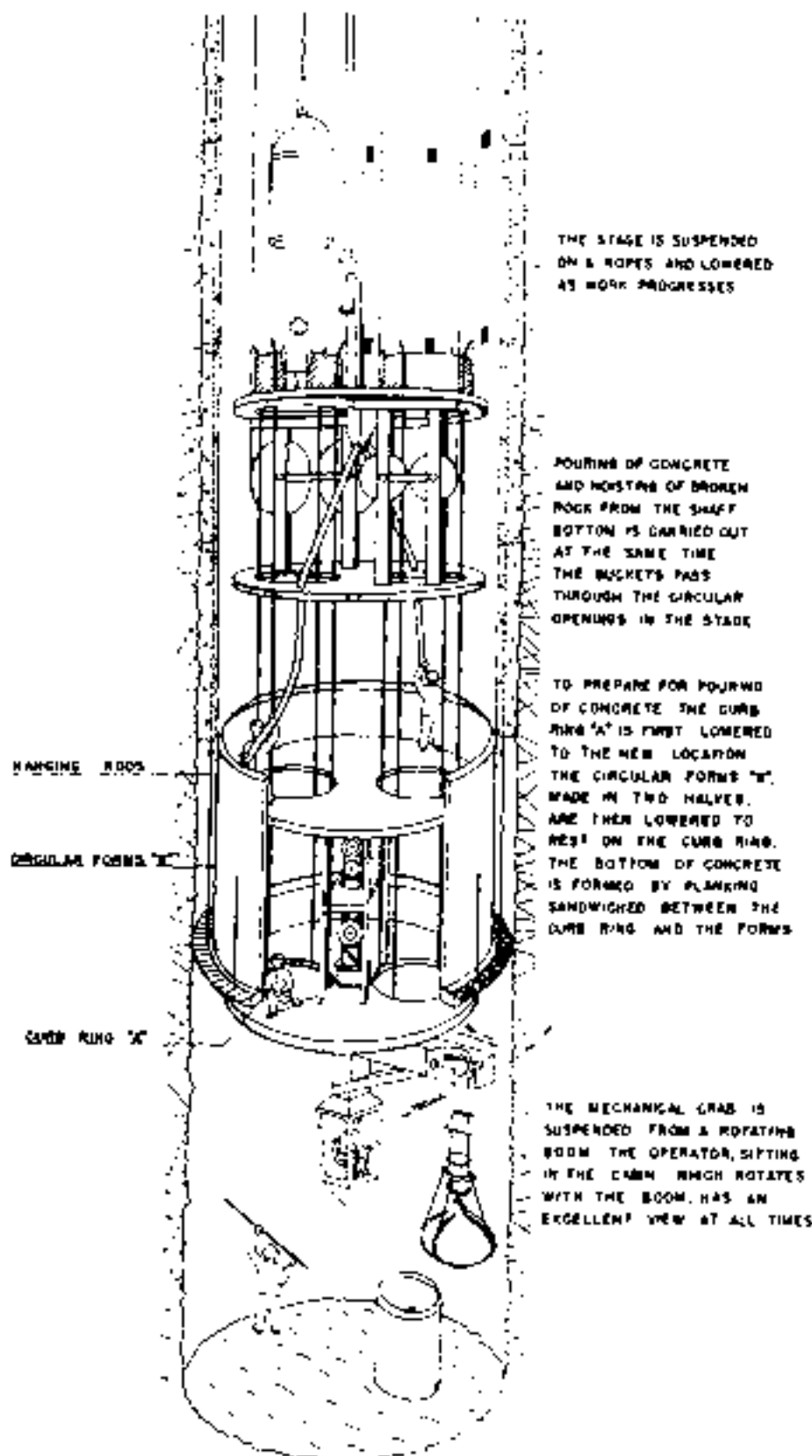
In the shaft sinking cycle, hoists are drilled on alternating sides of the shaft bottom, which in effect advances the shaft about four feet per blast. The drills, with air and water hoses attached, are lowered by finger hoist from the stage on which they are placed when not in use. The point is loaded with explosives and blasted the stage being raised to a distance of 15 feet from the bottom while a blast is fired. Shrink is blown from the bottom, and much the out of the bottom follows. When sinking is completed the surface of the bottom is broken over with compressed air and inspected for missed holes prior to drilling the next round.

When four benches have been excavated in this manner, the bottom of the shaft is lowered and 15 feet of concrete lining is poured.

### Cuth King Support's Forms

In the concrete pouring, a curb ring similar to the lining of a timbered shaft, is hoisted into position and suspended on high-tensile hanging rods from the concrete above. A wooden form is laid on top of the curb ring to retain the cement. Then the forms, consisting of two vertical circular steel sections 15 feet high, are lowered from the stage and set up the curb ring.

When the forms are hoisted to position, they are pulled from outside the shaft at surface. On a smooth wet pipe, which also be kept absolutely plumb, to avoid the forms from leaning. It would otherwise cause a gap, causing the surface of the pipe. The concrete enters a steel set out in the form of a circle 15 feet diameter.





## At 3,800 Feet — Just Past the Half-Way Mark

In this view, taken from the newly cut station at the 3800-foot level of Creighton 9 shaft, the grab operator in his cage is dumping a 20-cubic-foot load of rock into a bucket. On the right two shaftmen are steadying a loaded bucket about to be hoisted to surface. Now that the shaft's permanent hoist has been installed, 12-ton buckets, more than twice the size of those shown, are being used. At the top of the picture the curb ring and part of the concreting forms may be seen.

fitted with Ni-Hard liners in which the fall of the concrete is broken by the cushioning effect of the trapped air. From the "boot" the concrete is allowed to flow at a reduced rate through rubber hoses into the forms.

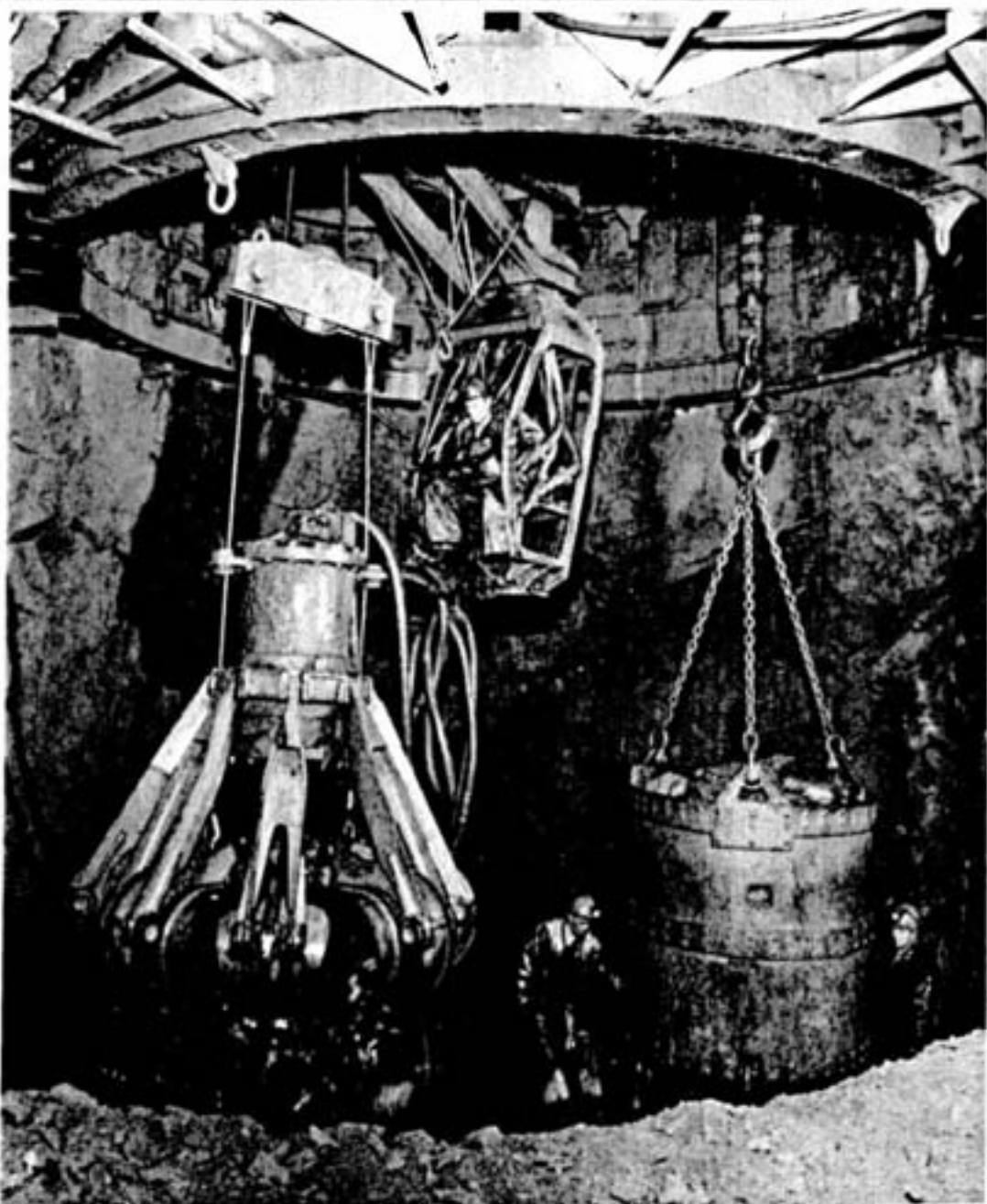
While concreting is going on, mucking of the shaft bottom proceeds, the buckets being hoisted through circular openings in the stage. At the same time electrical connections and pipelines are extended to supply light, water, and compressed air to the sinking operations.

### Special Sheave Arrangement

The stage is lowered and raised by a Blair-type stage hoist imported specially for the job from South Africa. This double-drum hoist operates on the principle of a capstan, backed up by a compensating tower and storage reels. Through an arrangement of sheaves in the headframe and on the stage, each of the two hoist ropes is reefed through the shaft three times to produce the effect of a six-point suspension of the stage.

It is of interest that when sinking began at Creighton 9 shaft the two storage drums each contained over 23,000 feet of 1½ inch wire rope, the amount required to make up the six parts of line which will suspend the stage at its ultimate depth.

The stage's mucking unit con-  
Continued on Page 19



TWO HOISTS ARE BEING USED in the sinking operation, one for the stage and one for regular hoisting duties. Above is shown the double-drum gear-driven temporary hoist used in regular hoisting for the first 4000 feet of the shaft. The three 1000-cfm air compressors of the temporary installation appear in the background.



PART OF A NINE-MAN CREW, using hand-held pluggers, are shown drilling off a 10-foot bench at the bottom of the shaft. The drills, with hoses attached, are stored on the stage when not in use, and are lowered to the shaft bottom by a tugger hoist. Shaft sinking operations at Creighton 9 are on a seven-day round-the-clock basis.



Teeing off on the 4th hole, this foursome of Norman Urwin, Harold Waller, George Dennie and Verdie Villeneuve look pretty relaxed despite that threat-



ening water hazard. The foursome on the right, putting on the beautifully contoured 5th green, are Herb Stewart, Frank Truskoski, Ron Noble, Doug Poppin.



J. A. Pigott presents the R. L. Beattie trophy to the winning team from Copper Cliff smelter, Mike Shea, Fred Silver, Mike Silver and Don Ripley. On the right are the runners-up from Port Colborne who received the Alex Godfrey trophy, Merl Noyes, Bob Noyes, Johnny Jamieson and Alan Reid, with J. A. Pigott.



## Inco Tournament Greatly Enjoyed By 288 Golfers

When the shooting was all over at the annual Inco inter-plant golf tournament on July 22, a strong young Copper Cliff smelter team held a four-stroke margin over the Port Colborne lineup in the battle for the R. L. Beattie championship trophy, and a geological department foursome had captured the E. C. Lambert trophy in the net score event.

Led by the northern Ontario ace, Fred Silver, whose 39-35-74 was the best score of the meet, the smelter's whiz kids with Don Ripley as anchor man played some great golf to turn back the Port Colborne challengers. Don had a 79, as did Mike Shea, while Mike Silver came in with a steady 85 for a gross of 317. They were presented with Coleman stoves.

It was the third consecutive victory for a smelter team in the popular annual joust.

### Nice Sound Effect

The runners-up from the Nickel Refinery received the Alex Godfrey trophy as well as packages that emitted an interesting gurgling sound. Their hottest scorer was Bob Noyes, whose 76 was the second-best of the tournament. Veteran Johnny Jamieson fashioned a thoroughly satisfying 77, including an eagle 2 on the 4th. Captain Merl Noyes wasn't far behind with a 79, but Alan Reid ran into a barrage of bogeys and had to settle for an 89.

In the struggle for the Lambert trophy in the net score event, the Callaway handicapping system worked its magic to promote to glory a foursome of occasional golfers representing the geological department, Lou Fajcz, Ken Randall, Winston Lemay, and Mel Whittles. Along with the trophy they received electric lanterns.

Emerging as runners-up in the Lambert contest were four other Copper Cliff smelter tyros, J. Henry, P. Morgan, D. Fuller and M. Prpic.

Bill Hutchison of the Murray mine team collected the prize for the best gross score among non-trophy winners. This fine young golfer carded a 79 for the 18-hole trip.

The general engineering department's Charlie Ferguson was the



This geological department team of Lou Fajcz, Ken Randall, Winston Lemay and Mel Whittles won the E. C. Lambert trophy for low net. On the right is the smiling foursome that ably represented Toronto, Alex Illis, Pete Provias, Mike Eades and Dave Amos.



Most-honest-golfer Tim Holgate received his prize from Alex Illis.



Phil Oliver (Creighton), Peter Mackey (Stobie), were hidden hole winners.



Norm Meaden also won a hidden hole prize, presented by George Burns.



If the putt doesn't drop on the 9th green, a man can soothe his soul by gazing out over Trout Lake. There was some soothing done by this foursome, Jack Pigott, Bob Saddington, Pete Provias, and Mike Eades.





At first glance it looked as if Harry Davidson had developed a new putting stance. Turned out he was just one weary golfer, that's all.



Sid Segsworth of Frood came in with a very creditable 42-41—83.



One of the lively club's best, Eddie Mayer shot a 39 to finish with 82.

Norman Meaden of the smelter, Phil Oliver of Creighton engineering, and Peter Mackey of Stobie.

#### Record Entry of 288

With the Idylwyde course enlarged to 18 holes, a record field of 288 was accommodated, sent off in two draws with shotgun starts. There were crack golfers, average



Veteran Creighton golfer Nick Trefiak lines up a putt.

golfers, occasional golfers, once-a-year golfers, and first-time-in-my-life golfers, but whatever results they posted on the scoreboard they were unanimous in applauding the success of the day's outing. The weather was ideal.

For those who were seeing it for the first time the new nine-hole layout at Idylwyde was a delightful surprise. Built around Trout Lake, with the strikingly handsome buildings of Laurentian University in the background, the new course has been acclaimed as one of the finest in Ontario. The architects took full advantage of the rolling terrain, rocky outcrops, trees and water to fashion a scenic triumph.

For the golfer the layout is charged with challenge. Although it is 300 yards shorter than the old nine, the new course more than makes up by placing a greater premium on accuracy and judgment. Four of the holes have water hazards, two of them right smack in front of the tee where they can strike terror to the heart of the tyro and provide a profitable pastime for young ball retrievers with scuba diving outfits. The greens are large but tricky, contoured and guarded by gaping sand traps, while in several places narrow fairways and rugged rough make it costly going for the player with pronounced hooking or slicing problems. Already in beautiful condition, it all adds up to a highly stimulating golfing experience for either pro or amateur, and, along with the original somewhat less exacting nine holes, provides Idylwyde members with an 18-hole course of modern championship calibre.

#### An "Easy" Course, George Said

George McMaster of the accounting department summed it up for the average Inco golfer. "This is an easy course," said George. "It's easy to get into the water, it's easy to get into the sand, it's easy to get into the rough. Everything is easy."

Repairing to the clubhouse following the battle of the bogeys, the Inco men were soon able to restore their peace of mind and revive their sagging sinews in jovial post-game fellowship that was carried on through the sumptuous banquet and presentation of prizes.

The reduction department was in

charge of the arrangements for this year's tournament, and they brought it off in fine style. Members of the committee, who were warmly congratulated on their planning and efficiency, were Jack Lilley, Norman Pearce, Peter Souter, Eric Fenton, Ray Caverson, Steve MacDonald, Brian White, Brian Wilcox, and Jim Douglas.

Bob Butler did a masterful job as emcee of the presentations. Head table personalities who presented the various trophies and prizes were J. A. Pigott, general manager; R. R. Saddington and D. A. Fraser, assistant to the general manager; J. B. McConnell, manager of reduction plants; G. R. Green, manager of mines; G. E. Burns, division comptroller; A. Illis of the J. R. Gordon Research Laboratory at Sheridan Park and a member of the Toronto team; Merl Noyes, the veteran captain of the Port Colborne team.

#### Robert Little

After nearly 28 years with Inco, Bert Little has retired on disability pension from his job as storeman at Creighton. Sidelined by heart trouble, he is now taking life easy in his smart new home in the pleasant countryside at Naughton.

Born in 1911 in Arthur, in southwestern Ontario, Bert was only a few months old when his parents



Mr. and Mrs. Little

headed west to Howard, Saskatchewan, where he lived until he joined Inco at Creighton in 1937.

Hornepayne was the home town of Bert's wife, who was Eleanor Howe before their marriage in 1943. Two of their family of four work for Inco, John in the pelletizing building at the Iron Ore Plant, and Robin as a driller at Creighton. Bobbie and Jennifer attend school.

#### London Press Officer Sees Inco Operations

C. J. Phillips, press officer with International Nickel Limited at London, England, climaxed a round of conferences with his press and public relations colleagues in the New York and Toronto offices by touring the company's plants in the Sudbury district. He's shown here (left) in the cage at Frood-Stobie 3 shaft with mines efficiency engineer John Keast, about to go down for a look at the underground operations. The cagetender is Joe Shlemkevych.



They may be sand-fill experts at Levack, but that didn't seem to help them much in the bunkers. Collapsed on a couch after a hard day's golf were Jerry Perrin, Mike Callahan, Mickey McKenney, and Danny Kelly.

## Biggest Group In Club's History To Get 25-Year Badges September 14

With almost every organization putting its best foot forward for Centennial Year, the Sudbury District branch of the Inco Quarter Century Club is right in style by coming up with a record-breaking group of new members.

The largest "graduating class" of any year in the history of the club, 429 men and 1 lady will be presented with gold badges signifying 25 years of service with International Nickel, at the club's 19th annual banquet in the Sudbury Arena on September 14.

The badge presentations will commence at 5.45 p.m. with executive officers of the Company doing the honors and extending congratulations to each new member on attaining the long-service distinction.

The new group will boost the Sudbury District membership in the Inco Quarter Century Club to a total of 3,653.

On the following pages are photographs of most of the new members.



Albert Ackland  
Copper Cliff



Ken Adams  
Creighton



Eve Antonietti  
Copper Cliff



Lucien Arbour  
Copper Cliff



Ray Ashlick  
Garon



Ray Bain  
Copper Cliff



Alex Balanyk  
Frodo-Stobie



Dave Bamber  
Copper Cliff



Enzo Barbo  
Copper Cliff



Nick Bataraka  
Garon



Jess Beneden  
Frodo-Stobie



Gordon Beange  
Frodo-Stobie



Philip Beaulne  
Copper Cliff



Leo Beausoleil  
Creighton



Charlie Bedford  
Copper Cliff



Albert Belcher  
Copper Cliff



Joe Benbenek  
Creighton



Bob Benn  
Garon



Jean Marie Bidal  
Copper Cliff



Hermidas Blason  
Copper Refinery



Everett Blackwell  
Copper Cliff



Gerard Blais  
Murray



Howard Bobbie  
Creighton



Pete Bodnarchuk  
Frodo-Stobie



George Bodson  
Iron Ore Plant



John Bojak  
Frodo-Stobie



Arthur Boelinen  
Copper Cliff



Nick Borynsky  
Garon



Ray Bouchard  
Coniston



Henry Bouffard  
Copper Refinery



Omar Bouffard  
Frodo-Stobie



Xavier Bouffard  
Copper Cliff



Melvin Boulay  
Copper Cliff



Romeo Boulay  
Coniston



Howard Boyd  
Frodo-Stobie



Oscar Boyer  
Frodo-Stobie



Albert Bradridge  
Copper Cliff



Les Brownlee  
Creighton



Fred Brun  
Copper Cliff



George Bryan  
Creighton



Arden Buell  
Frodo-Stobie



Alex Bujold  
Iron Ore Plant



Herb Burley  
Lawson Quarry



Leo Byrne  
Creighton



George Carley  
Frodo-Stobie



W. Henry Carr  
Frodo-Stobie



Tom Carrey  
Copper Refinery



Slim Carrier  
Copper Cliff





Malin Carriera  
Murray



Joseph Castonguay  
Frood-Stobie



Frank Ceming  
Copper Cliff



Bill Chapman  
Levack



Larry Charbonneau  
Copper Cliff



Paul Charotte  
Coniston



George Charlebois  
Iron Ore Plant



Renee Chartier  
Copper Cliff



Jim Chelove  
Copper Cliff



Mike Chaglock  
Creighton



Herb Chester  
Garson



John Chikan  
Garson



Nick Chopes  
Copper Refinery



Joe Chaptian  
Frood-Stobie



Steve Charney  
Coniston



Art Ciss  
Copper Cliff



Gerd Celgreve  
Copper Cliff



Duane Cellison  
Creighton



Bernard Canlon  
Coniston



Frank Cook  
Copper Refinery



Roland Cormier  
Creighton



Gabriel Cote  
Clarabelle



Jim Cote  
Frood-Stobie



Frank Croshaw  
Frood-Stobie



Rosella Crutsaw  
Copper Cliff



Romeo Corderi  
Copper Cliff



J. Eli Cyr  
Frood-Stobie



Antonio Danis  
Creighton



Helgi Davis  
Frood-Stobie



Al Demers  
Creighton



John Demers  
Levack



Stu Dempsey  
Copper Cliff



Lucien Depatie  
Frood-Stobie



Ernie Desjardins  
Copper Refinery



Lee Desormeaux  
Copper Cliff



Alex Eldor  
Levack



Andy Elias  
Frood-Stobie



Ed Eira  
Iron Ore Plant



Wesley Duke  
Copper Cliff



Sid Dukreul  
Garson



Lionel Duchane  
Frood-Stobie



Dave Duncan  
Copper Cliff



Nap Dupont  
Copper Cliff



Herb Eastwood  
Copper Cliff



Joe Elias  
Murray



Bob Elliott  
Copper Cliff



George Esau  
Creighton



Gerald Eschuk  
Garson



Henry Everitt  
Garson



Arthur Fairbairn  
Copper Cliff



Paul Farmer  
Murray



Dan Fedak  
Copper Cliff



John Feduk  
Copper Cliff



Bud Feick  
Copper Cliff



Bill Feysk  
Copper Cliff



Alan Fox  
Frood-Stobie

All Fierette  
LeveckAlbert Fontaine  
Frood-StobieGerard Forcier  
CreightonCecile Forget  
CreightonJohn Forsyth  
Frood-StobieDon Fraser  
Copper CliffRay Fraser  
Copper CliffLeguerri Gareau  
Copper CliffHector Gauthier  
Copper CliffAl Gervase  
Copper CliffDaniel Gervais  
Copper CliffHarry Gibson  
Copper CliffBill Gibson  
Lawson QuarrySteve Gishuk  
Copper CliffAdrien Girard  
Copper CliffDon Girard  
Copper CliffMike Glen  
CreightonKen Glynn  
Iron Ore PlantCecil Goodward  
CreightonHector Goss  
GarsonTed Grabish  
Frood-StobieWalter Gravelle  
Frood-StobieGeorge Green  
Copper CliffHector Green  
Frood-StobieBen Grigg  
CreightonPhil Gross  
LeveckHarold Guss  
Iron Ore PlantSteve Haddock  
CreightonLeo Hamilton  
Frood-StobieViljo Hanninen  
Copper CliffKeith Harris  
GarsonJohn Heffernan  
MurrayMatti Hawrylak  
LeveckMike Hawrylak  
Copper CliffKeith Henderson  
Green HillMatthew Hennessey  
CreightonHarry Herick  
Frood-StobieHarold Heron  
Copper CliffMike Holbauer  
GarsonPat Holynaty  
GarsonVince Huilahan  
High FallsRomeo Huyla  
Frood-StobieGeorge Hunter  
Copper CliffFred Huska  
Copper CliffFlorence Hutton  
Copper CliffBill Hywarren  
Copper CliffJohn Ilett  
Copper CliffBill Inkster  
Frood-StobieJohn Jaaskelainen  
GarsonPete Jack  
Iron Ore PlantFrank Jenkins  
Copper CliffMalthe Jenson  
LeveckLloyd Johns  
Frood-StobieMel Juhastee  
ClarabelleNorm Jonsson  
LeveckAndy Kacmarek  
Leveck



Joe Kania  
Copper Cliff



Ivan Kafaryash  
Copper Cliff



Frank Kawa  
Frood-Stobie



Mike Kawa  
Creighton



John East  
Copper Cliff



Elwood Keillett  
Frood-Stobie



Archie Kerr  
Crean Hill



Jim Kirk  
Copper Cliff



John Komarnickay  
Copper Cliff



Harry Kovalchuk  
Creighton



Frank Kowalski  
Copper Cliff



John Kowalchuk  
Frood-Stobie



Joe Kramosh  
Frood-Stobie



Vic Kroks  
Garson



Albert Kruk  
Creighton



Stan Kruk  
Creighton



Lorna Kruschenski  
Creighton



John Krytla  
Copper Cliff



Ed Kummer  
Frood-Stobie



Tony Kurlicki  
Frood-Stobie



Elmer Laakso  
Iron Ore Plant



Henry Laakso  
Copper Cliff



Rene Lacasse  
Frood-Stobie



Wilfred Lacroix  
Creighton



Wilfred Lafleur  
Levack



Camille Laframboise  
Copper Cliff



Leo Lefreniere  
Copper Cliff



Henry Lemarche  
Frood-Stobie



Gerard Lemathe  
Murray



Oscar Lamoignon  
Copper Cliff



Armas Lampi  
Copper Cliff



Al Lange  
Copper Refinery



Amie Langlois  
Webbagesvik



Felix Lapienis  
Murray



Vic Laporte  
Frood-Stobie



Andy Larocque  
Copper Cliff



Jim Larocque  
Copper Refinery



Nap Larocque  
Copper Cliff



Steve Lashuk  
Garson



Bill Lawson  
Copper Cliff



Edward Leblanc  
Frood-Stobie



Syl Leslie  
Copper Cliff



Jim Lee  
Copper Cliff



Armand Legault  
Garson



Dave Lehto  
Levack



Oliver Loppala  
Copper Cliff



Art Laroux  
Copper Cliff



Wilfred Levaillier  
Frood-Stobie



John Levesque  
Levack



Cliff Lidstone  
Copper Cliff



John Lidstone  
Copper Cliff



Fred Longchamp  
Copper Cliff



Bill Los  
Frood-Stobie



Ken Loyst  
Copper Cliff



Bill Luky  
Copper Refinery



Murdoch MacLennan  
Crean Hill





Mike Malyk  
Copper Cliff



John Marcinkowski  
Creighton



Liberala Marcon  
Coniston



Louis Marconato  
Copper Cliff



Clarence Marsh  
Frood-Stobie



Art Marson  
Creighton



Harry Mathe  
Copper Cliff



Arthur Mayer  
Copper Cliff



Eddie Mayer  
Creighton



Bill McBain  
Copper Refinery



Jim McCue  
Creighton



Alex McDonald  
Copper Cliff



Reg McFarlane  
Garrison



Alex McGibbon  
Copper Cliff



Tom McGuire  
Copper Refinery



Dick Masley  
Creighton



Gino Mai  
Copper Cliff



Victor Melanson  
Copper Cliff



Harv Mellow  
Copper Cliff



George Melnik  
Copper Cliff



Delphis Menard  
Frood-Stobie



Leon Metha  
Copper Cliff



Norm Miles  
Frood-Stobie



John Milks  
Copper Cliff



Frank Miesky  
Copper Cliff



Ted Miron  
Copper Cliff



Nick Mitchell  
Copper Cliff



Goldina Modesto  
Coniston



Charles Morson  
Frood-Stobie



George Morrison  
Iron Ore Plant



Harry Murdoch  
Frood-Stobie



John News  
Murray



Harry Neville  
Murray



Lyle Nicholson  
Clanville



Velko Nisalia  
Murray



Earl Nolan  
Copper Cliff



Joe Nowoski  
Copper Cliff



Lomer Obenshwin  
Murray



Tony Ochski  
Garrison



Frank O'Connor  
Creighton



Tom O'Connor  
Copper Cliff



Ken Odaisky  
Copper Cliff



Clayton O'Hara  
Frood-Stobie



Eli Oja  
Copper Cliff



Eddie Oliver  
Coniston



Jim Oliver  
Copper Cliff



Russ O'Neil  
Garrison



Mike Ortag  
Frood-Stobie



Andy Otashuk  
Creighton



Omer Ouellette  
Copper Cliff



Joe Pachota  
Copper Cliff



Frank Palakovic  
Copper Refinery



Mike Pally  
Levack



Alf Paquette  
Garrison



Emil Paquette  
Copper Cliff



John Paquette  
Copper Cliff



Joe Paquette  
Copper Cliff



Laurent Paradis  
Iron Ore Plant



Frank Parcey  
Copper Cliff



Gino Parlatto  
Copper Cliff



Joe Peterson  
Gerson



Basil Petryshen  
Levack



Rene Piche  
Copper Cliff



Mike Pigeon  
Copper Refinery



Rene Plouffe  
Murray



Tom Pogue  
Copper Cliff



Louis Poltras  
Copper Cliff



Jud Poor  
Creighton



Lucien Poellin  
Frood-Stobie



Steve Poadyk  
Copper Cliff



Bill Prodie  
Frood-Stobie



Stan Rachest  
Copper Cliff



Albert Rawlyk  
Copper Cliff



Paul Roback  
Murray



Amadeo Raballato  
Copper Refinery



Jack Reeves  
Gerson



Roland Renaud  
Coniston



Gord Riehl  
Copper Refinery



Ubald Ringel  
Levack



Bill Ritter  
Frood-Stobie



Alfred Roberge  
Frood-Stobie



Armand Robitoux  
Copper Cliff



Wilf Rochefort  
Creighton



Vern Ross  
Iron Ore Plant



Oliver Rosal  
Levack



Leo Roy  
Frood-Stobie



Ray Ruddy  
Copper Cliff



Ernie Russell  
Copper Cliff



George Russell  
Copper Cliff



Gordon Ruston  
Frood-Stobie



Al Ryfer  
Levack



Walter Salewski  
Frood-Stobie



Walter Sanderson  
Creighton



Nelson Savva  
Coniston



Bill Sawchuk  
Levack



Howard Schroeder  
Iron Ore Plant



Anton Schriml  
Creighton



Gerry Schryer  
Copper Cliff



Peter Scott  
Frood-Stobie



Sam Scott  
Copper Cliff



Bill Seaman  
Frood-Stobie



Keith Segsworth  
Copper Cliff



Rella Seguin  
Copper Cliff



Mike Seniek  
Levack



Nick Seniek  
Creighton



Chieffe Shaw  
Frood-Stobie



Sheila Shelwell  
Clareville



George Shulmistras  
Frood-Stobie



Bill Slegers  
Creighton



Charlie Slegny  
Copper Cliff



Vic Silvestri  
Copper Cliff



Ross Skinner  
Copper Cliff



Peter Smith  
Frood-Stobie



Bill Smith  
Copper Cliff



Michael Smrke  
Clarbelle



Rella Spencer  
Copper Cliff



Lloyd Spry  
Lawson Quarry



Roy Spry  
Creen Hill



Joseph St. Onge  
Murray



Laine St. Onge  
Larock



Dutch Starcraft  
Copper Cliff



Waldo Stenehouse  
Iron Ore Plant



Cliff Storie  
Frood-Stobie



Peter Stan  
Copper Cliff



Nick Stoparyk  
Garsen



Denis Sullivan  
Frood-Stobie



Joe Szanklewicz  
Copper Cliff



Fernand Tallifer  
Copper Cliff



Ralph Takacs  
Copper Cliff



Bill Tefaryn  
Frood-Stobie



Bill Taylor  
Copper Cliff



Stan Tchorzewski  
Creighton



Tony Teddy  
Frood-Stobie



Maurice Tessier  
Garsen



Ulric Thalland  
Copper Cliff



Harris Thibault  
Creighton



Lerne Thoms  
Copper Cliff



Eddie Tobin  
Frood-Stobie



Miles Takarski  
Copper Cliff



Aldine Tomlin  
Creighton



Frank Trapasso  
Copper Cliff



Phil Trotter  
Larock



El Umpherson  
Copper Cliff



Nick Upchan  
Copper Cliff



Raymond Valade  
Murray



Eugene Valliquette  
Copper Cliff



Fred Vellow  
Frood-Stobie



Mike Verbitski  
Creighton



Julien Verreault  
Copper Cliff



Anna Virta  
Frood-Stobie



Bob Warriner  
Garsen



Nick Wastlake  
Copper Cliff



Ed Wellings  
Copper Cliff



Nick Werick  
Garsen



Jim Wigness  
Creighton



Rostell Williamson  
Frood-Stobie



Walter Wilson  
Creighton



Ed Wolfgram  
Creighton



Myra Wolashyn  
Creighton



Earl Woodger  
Creighton



Bob Woffen  
Creighton



Art Wolff  
Copper Cliff



Fred Wynnyk  
Creighton



Jack Yachuk  
Frood-Stobie



Mick Yachuk  
Frood-Stobie



Bill Yan  
Copper Cliff



Bill Young  
Creighton



Wilfred Young  
Murray



Tom Zalts  
CherabelleMichael Zarubick  
Frood-StobieNick Zelenchuk  
CreightonBill Zisak  
Copper CliffNick Zamarar  
Copper Cliff

**COPPER CLIFF:** Weldon Ashick, Vital Aubrey, Abram Bergman, Lou Dufresne, John Kuby, Constant Lavallee, George Orchard, Uno Riutta, Ellis Rogers, Fred Rogers, Mike Shalatynski, Charles Stephenson, Delmar Suckow; **LEVACK:** Paul Brizinski, Philippe Huneault, John Kulyk, Rene Sauve; **MURRAY:** Mike Kennedy; **IRON ORE PLANT:** Dirk Tiessen; **GARSON:** Joe Laforest, Gledor Laprairie.

## Other New Members

In addition to the new members of the Quarter Century Club whose photographs are shown on the preceding pages, the following have also qualified for 25-year badges: **CONISTON:** Aldo Coppo, Fred Desloges, Mike Belowos, Paul Gervais, Rudy Petryna; **FROOD-STOBIE:** Roland Blais, Robert Charley, Edmond Cousineau, Fred Cyr, Robert Jones, Pete Mihaichuk, William Olynick, Alphonse Semeys, Dave Taylor; **CREIGHTON:** Donat Danis, Elmer Johnson, Pete Ledingham, Louie Nedjelski, Alex Skrumeda, John Wilkie; **COPPER CLIFF:** Weldon Ashick, Vital Aubrey, Abram Bergman, Lou Dufresne, John Kuby, Constant Lavallee, George Orchard, Uno Riutta, Ellis Rogers, Fred Rogers, Mike Shalatynski, Charles Stephenson, Delmar Suckow; **LEVACK:** Paul Brizinski, Philippe Huneault, John Kulyk, Rene Sauve; **MURRAY:** Mike Kennedy; **IRON ORE PLANT:** Dirk Tiessen; **GARSON:** Joe Laforest, Gledor Laprairie.

## Sensational Tumbling Troupe Will Headline Quarter Century Club Bill



A couple of cutups with a laugh-laden comedy routine into which they work some very clever acrobatic stunts, the Kolmar Brothers are one of the continent's top novelty acts.

Biggest act ever to play the Inco Quarter Century Club banquet, both in size and in international acclaim, The Five Amandis will give the feature performance at this year's big get-together at the Sudbury Arena on Thursday, September 14.

Also the biggest in the history of the 25-year club will be the attendance, which is expected to top the 2,500 mark.

Presentation of gold badges to a record group of 430 new members will be made by executive officers of the Company.

Preparations for the dinner, one of the largest annual catering assignments in Canada, are again in the capable hands of the women's associations of St. Andrew's and St. Paul's churches. Fried chicken will be the main item on the menu.

Another headliner of the entertainment bill will be the fast-rising young singing star, Mary Lou Collins. Already well-known to the Canadian television audience, this very attractive young lady with a voice the critics are raving about is booked for the Canadian National Exhibition



Emcee of the show will be Bill Arnott, who backs up his barrage of wisecracks with some slick sleight-of-hand in which he is assisted by his wife Kay. They're greatly in demand for night club entertainment.

show and for upcoming major specials on United States television.

Command performances before Queen Elizabeth and the Duke of Edinburgh, King Baudouin of Belgium, and other European royalty top the glittering credits of The Five Amandis. Hailing from Denmark, this sensational tumbling team has been brought back time and again to some of the biggest television and stage shows in the business, including Ed Sullivan, Jackie Gleason, Walt Disney, New York's Latin Quarter and Radio City Music Hall, London's Palladium, and Copenhagen's Tivoli Garden.

An English girl trumpeter with a background of success in European show business who is now rapidly making a name for herself on this side of the water, June Peters will bring glamor as well as class to the program.

Although they're billed as comics, and are sure-fire in the laugh-producing line, the Kolmar Brothers are basically a highly skilled acrobatic team whose act is certain to draw heavy applause.

Kay and Bill Arnott will round out the QC Club entertainment with their tricks of magic, along with some refreshing nonsense. Bill will be master of ceremonies for the program.

### Maraged Teeth

Maraging steel, a super-strength alloy developed by International Nickel for heavy engineering uses, is being tested for dental bridge-work and caps for teeth. The special nickel steel is expected to enable dentists to fit a patient with stronger and more comfortable dentures.



A Newfoundland lovely, songstress Mary Lou Collins has had a meteoric rise to stardom, has upcoming engagements at the CNE and with both Bob Hope and George Burns in U.S. television specials.



Another highly engaging personality on the QC Club show will be trumpeter June Peters. Among her accomplishments is playing swing on an Old English post horn, which has no valves and can produce only three notes.



Four of the five sensational Amandis are seen in this action shot from their performance, which has an international big-time rating.



Thousands attended the colorful National Heritage Week-End performances at Port Colborne, staged in an idyllic setting in Lakeview Park.

## CANADIANS ALL At Port Colborne National Heritage Celebration



In Centennial attire John Marr of the Inco electrolytic department accepts a Ukrainian delicacy from Mrs. Rose Shymansky, hard-working chairman of the National Heritage celebrations. She is the wife of Stan Shymansky of the mechanical department. In the centre is well-known Inco pensioner Alex McNay.



A HAPPY YOUNG GROUP DANCED THE UKRAINIAN KOTOMYJKA.



ANOTHER SPIRITED DANCE WAS THE POLISH KRAKOWIAK.



At the Italian stall two Inco husbands, George Longarini and Renato Garbari, are treated to slices of pizza by their wives Elvira and Amy.



Pensioner Bill McDonald and his wife admire the beautiful handiwork displayed at the Chinese booth by Carol, Marilyn, and Joan Lee.



Warehouse foreman Umbo Concessi and his wife Mary visit at the German booth with Mrs. Christa Heintze and Mrs. Traudl Gieger.



A Hungarian children's choir sang beautifully under the direction of George Takacs.



At the Welsh stall, sisters Jane and Mary Thomas chat with a visitor from Montreal, Lynn Ainsworth.





A Polish dance was performed by the talented team of Helen Koczmarczyk and Chester Cieslik of Welland.



Eleanor Barker, daughter of assistant manager Vern Barker, danced a solo in the National Heritage ballet.



Mrs. Winnifred Hobbs, secretary of the Port Colborne Centennial Committee, confers with banquet speaker John Munro, M.P., parliamentary secretary to the minister of manpower.



With dash and verve young Marianna Lovicsek performed a solo dance in the Hungarian program.

## A "Little Expo" at Port Colborne

Many of the national cultures that have contributed to the building of a great Canada were represented in the National Heritage celebrations held at Port Colborne the week-end of July 23.

A feature of the city's Centennial program, the brilliantly colorful two-day event drew thousands of spectators.

Lakeview Park was transformed into a "little Expo". On a big stage with Lake Erie as a backdrop, hundreds of performers in a vivid variety of costumes took part in dances and musical numbers. At booths and stalls in the park were displayed cultural wares along with food delicacies such as cabbage rolls, pizza pies, wiener-

schnitzel, and pastries, which were enthusiastically sampled by the public.

To Mrs. Rose Shymansky, and others who worked hard to organize and stage the National Heritage celebrations, were due the thanks of their community for an impressive expression of Canada's broad cultural strength.

### NAMES OMITTED

Unfortunately omitted from the picture layout of the data process-

ing story in the July issue of the Triangle were the names of the data processing and accounting department personnel shown inspecting the first batch of new punch card pay cheques returned from the banks. These were, from the left, Tim Holgate (seated), mines chief accountant Oliver Penman, John Noble, Harold Diebel, assistant division comptroller Jim Fowler, and assistant paymaster Frank Ressel.

The richly embroidered lederhosen of the men and the swirling blue skirts of the ladies made a colorful sight of the lively Bavarian Schuplatler dance.



Bright tartans were much in evidence at the Scottish booth, where Mrs. John Gillespie and Mrs. Ida Martyn were amused by the rakish tilt of the Glengarry worn by 8-months-old Richard Audit, shown with his mother. Both his grandfather, Dave Bell, and his father, Bob Audit, work in the Inco mechanical department.

A spot of tea in a fine old china cup is poured for pensioner Bill Ross by Mrs. Michael Head, wife of the Inco research station superintendent, and Mrs. Liz Edwards, at the English stall.



## Inco's Chairman and President Visit Thompson



John Thornborough

Board chairman Henry S. Wingate and president Albert P. Gagnebin recently inspected progress of the huge expansion program in the Company's Manitoba division. They were accompanied to Thompson by their wives. In this picture Mr. and Mrs. Gagnebin are being welcomed on arrival at the airport by Mrs. Wingate, division general manager John McCreedy, and Mrs. McCreedy.



At one of the new mine construction sites Mr. Wingate is briefed on developments by superintendent of mines Morace Boucher. Others in the group are assistant to the general manager I. P. Klassen, Birchtree mine superintendent A. Sirikka, and executive vice-president F. Foster Todd of Toronto.



## Student Employees

# Getting the Know-How To Go with the Theory

Students from about 30 different universities and technological institutes are included in the list of vacation employees working for International Nickel in the Sudbury district this summer.

They're gaining valuable practical experience with a big modern mining operation to go with the theory they've studied at school, at the same time earning money to continue their education.

Providing summer employment for students is indirectly a part of Inco's broad aid-to-education program. While the number of job opportunities available for students naturally fluctuates from year to year, the long-standing arrangement has been of incalculable benefit to the advancement of the professions.

The Company's expansion program created an additional number of opportunities for student employment this year.

As usual, those coming from other parts of Canada are enthusiastic about spending the summer in the Sudbury area, where fishing, camping, water sports and other outdoors recreation abound.

Here's the roster of universities and technological institutes represented among the students welcomed to Inco this summer: *Continued on Page 19*

Checking progress on the installation of foundations and sumps he designed for the new pump-house at Copper Cliff mill is Ian Tassington, who is with the Company's general engineering department for the second summer. He is in fourth year civil engineering at Queen's University, Kingston, and his home is in Orillia.



Alex Rozewich has completed third year mining engineering at McGill, in his home town of Montreal. He's employed for the summer in the Stobie engineering department, thoroughly enjoying his first experience at a big mine.



A fifth year student in mechanical engineering at Nova Scotia Technical Institute is Gary Oulton of Halifax, who is working with the Copper Cliff mechanical department this summer as an inspector of new installations.



Recording a test in the lab of the water treatment section at the Iron Ore Plant is Mike Hilson, who has completed three years in chemical engineering at the University of Toronto. He was born in London, England, came to Canada in 1959.

An honor graduate in chemistry from the University of Calgary, Richard Kurtz will enter M.I.T. this fall to commence studies for his master's degree. His summer job is in the lab at the Copper Refinery, where he's seen using the oxygen analyzer to determine the oxygen content of wire-bar copper samples. "I'm certainly glad of the chance to work for a company like Inco," he said.



John Lynagh will be in third year chemical technology this fall at the Ryerson Institute, Toronto, his home town. During vacation he's employed by the metallurgical department at Copper Cliff, and our picture shows him in the separation plant lab, making sulphur determinations. He thinks the Sudbury area is outstanding for summer recreation, particularly water sports.



This is the fourth summer with Inco for Brian Rowley, a fourth year industrial engineering student at Clarkson College, Potsdam, N.Y. He's with the special projects department where he and his college mate, Fred Silver, are writing a computer program for planned maintenance. His father, Earl Rowley, has been an Inco man for 30 years, works at the Frood mine plate shop.

A Sudbury boy whose father, Henry Nowak, works in the warehouse at Copper Cliff, Mike Nowak is a member of a research group at the Iron Ore Plant this summer, his third with Inco. He's in fourth year chemical engineering at Queen's.

## Sinking Shaft

Continued from Page 3

sists of a central rotating column supporting a horizontal boom from which is suspended the 20-cubic-foot cactus-type grab. The grab can be raised or lowered by a 30-hp winch located on the second deck of the stage, and the boom can be rotated to any part of the shaft by a small air motor connected to a slewing bull gear. On the boom a small carriage activated by an air cylinder enables the operator to move the grab in or out from the centre of the shaft.

### Direct-Type Controls on Grab

The operator sits in a cage located at the bottom end of the central column, from which position he commands an excellent view of the shaft bottom. All controls are of the direct type, enabling him to get the feel of the operation almost as if they were extensions of his arms. The grab itself consists of a 22-inch air cylinder with eight tyres which it opens and closes to pick up the muck. Because of the positive nature of the grab it is possible to pick up a full load each time. Sometimes a 12-ton bucket is filled in as few as 10 scoops.

The mucking device originally used on the Creighton job had remote type controls. When it failed to produce as anticipated, a complete new unit employing direct type controls was designed and built on the spot, with highly gratifying results.

Other unexpected difficulties, such as extensive grouting required to seal off water in the upper portion of the shaft, have been taken in stride by the contractors, Shaft Sinkers (Canada) Ltd. — J. S. Redpath Ltd. Joint Venture.

While these holdups thwarted their hopes of establishing shaft sinking records, excellent progress has been made. Now that the big new permanent hoist has taken over the regular hoisting schedule from the temporary installation, enabling the use of 12-ton buckets instead of the original 6-ton size, they expect that as much as 700 tons of muck may be hoisted in one day under optimum conditions.

**Instal Timbers and Guides Later**  
During sinking, the buckets and crossheads are guided on the ropes which suspend the sinking stage, but permanent steel timbers and guides will be installed upon completion of excavation and lining the shaft. About 2,500 tons of steel will be involved in this installation.

Rock hoisted from the bottom of the shaft is dumped into a bin at surface, from which trucks haul it away for road construction in the area. Over 300,000 tons of rock will be removed in the excavation, enough to fill a train 25 miles long.

Over 35,000 yards of concrete will be used in lining the shaft. The minimum thickness of the concrete lining is 12 inches. It takes an average of 13 truckloads of ready-mix to pour a 15-foot lift in the shaft.

## Know-How

Continued from Page 18

vincial Institute of Mines, Haileybury; Eastern Ontario Institute of Technology, Ottawa; Lakehead University, Port Arthur; University of New Brunswick, Frederic-

ton; Queen's University, Kingston; McGill University, Montreal; Laurentian University of Sudbury; University of Saskatchewan, Saskatoon; Northern Institute of Technology, Kirkland Lake; University of Calgary; University of South Dakota, Rapid City; Michigan Technological University, Houghton, Michigan; University of Toronto; University of Waterloo; University of Manitoba, Winnipeg; University of Edinburgh, Scotland; University of British Columbia, Vancouver; Ryerson Technological Institute, Toronto; Carleton University, Ottawa; McMaster University, Hamilton; University of Western Ontario, London; Nova Scotia Technical College, Halifax; St. Francis-Xavier University, Antigonish, Nova Scotia; University of Alberta, Edmonton; Sir George Williams University, Montreal;

Clarkson University, Potsdam, New York; Camborne School of Mines, Cornwall, England; University of Windsor; Hamilton Institute of Technology.

## The Front Cover

The striking Centennial display in Copper Cliff Park, which has been admired by hundreds of visitors, just couldn't be successfully pictured in ordinary black and white, giving the Triangle the opportunity to indulge in a little Centennial fling of its own. The color reproduction on our cover is the first to appear in this paper.

Chief agriculturist Clair Young and his department started two years ago to plan their salute to Canada's 100th birthday, selecting and testing varieties of seeds for the design they had decided on.

The sloping beds were built last year. Planting last spring was done under the direction of agricultural foreman Alex Gray, and the beautiful result is doubtless largely due to the Gaelic incantations which he solemnly uttered as each tender plant was committed to the soil.

The stylized Maple Leaf, emblem of Canada's Centennial, was created with Fireball salvia and Little Gem white alyssum, we are told by Mr. Young, while the beds on either side showing the dates 1867 and 1967 are of yellow and bronze Floral Carpet snapdragon.

Annually the recipient of congratulations on the floral plantings, landscaping, and reclamation projects for which it is responsible, the Inco agricultural department deserves a special "Well done!" for its lovely Centennial salute.

## Paint Lake Resort Is Vacation Paradise for Thompson People



With its countless bays, inlets and islands spread over more than 10 square miles, and its waters teeming with pickerel and jacks, Paint Lake offers a boating and fishing paradise for Inco people living in Thompson. Some of the 150 power boats regularly using the marina at the beautiful vacation resort are seen in the above picture. The four fishermen loading up for a fling at their favorite sport were Leo Pilon, Gordon Harlow and his father Percy Harlow of Calgary, and Ricky Sauve.



Manitoba's department of tourism and recreation has done a great job of developing about 150 acres of mainland and peninsulas into an attractive resort at Paint Lake. Rustic furniture and stone barbecues are plentiful through the cleanly underbrushed park and along the shores with their long curving sand beaches. A concession operated by Dick Jordan of Thompson carries full boating and camping supplies. About 30 private cottages have been built on the lake, and applications have been received for another 25; in a new subdivision serviced by road, 52 more lots are ready for applicants. Typical of hundreds using the Paint Lake resort during the summer for a tenting holiday, shaft miner Mike Hughes and his family are shown above, relaxed in a sylvan retreat. Paint Lake is 22 miles from Thompson.



## Alphie Houle

There's just no stopping some people, they're so full of vim and vigor that even after retirement they still insist on doing a full day's work. Frood service pensioner Alphie Houle is one of them. After 34 years of mining Alphie can now be seen in his old clothes,



Mr. and Mrs. Houle

with shovel in hand, excavating around his Granite Street home to install a new foundation. "I take life as it comes," said he. "As long as I've got my health and my wind, I don't plan to sit around and grow old."

Born on a Massey farm in 1902, he left for Espanola and the Spanish Pulp and Paper Company in 1923. He worked at the Errington mine in 1928, left there for the Mond at Frood the same year, then worked on construction of the Copper Refinery. He started with Inco at Creighton in 1933. He has worked at Frood since 1935, and was a sump pump man on retirement.

Wedding bells rang out for Alphie and Rose Belanger in 1926, and they now have a king-size family of 10: Mildred (Mrs. Jim Bondesen) lives in Sudbury, Donald is a driller at Stobie, Eileen is the wife of Copper Refinery plateworker Gilbert Cote, Lloyd, John, Conrad, and Leatha (Mrs. Reg Pella) live in Sudbury, Alan is a trackman at Frood, Bob is a chute blaster at Levack, and Linda is a nurse at Chapleau hospital. The clan already includes 20 grandchildren.

## "Buck's" Boast 37 Years Without An Accident

A Frood motorman for most of his 37 years with Inco, new service pensioner Buck Pauze, christened Wilbrod, can boast an accident-free record. "Just keep your ears and eyes open for the signals," he advised, "and you can't go wrong."

Born in 1902 in Bouchette, some 50 miles north of Ottawa in Quebec, Buck worked with his dad and 16 horses supplying the dia-



Mr. and Mrs. Pauze

mond drill camps in the area before he joined Inco in 1929. A lightweight at 124 pounds, he worked for a short while in the stopes with Norman Anderson before settling behind the motor

## New Railway Takes Shape To Bring Ore From Pipe and Soab Mines



Huge earth-moving machines roar back and forth as the 150 foot right-of-way is pushed through the northern Manitoba woods for the 45-mile railroad Inco is building to bring the ore from the new Pipe and Soab mines to the reduction works at Thompson. Two contractors are working on the new railway, one from each end. The above picture, taken at Mile 13, shows the grade where it passes through a swamp that required 250,000 yards of fill. The equipment is part of the big fleet maintained by contractor Adrian Baker, president of Osgoway Construction, Ltd. Inco will operate diesel locomotives and 100-ton cars on the railroad.

controls, a job that was to fill his life.

A Renfrew girl, Eileen Massie, became his wife in 1922, and has presented him with a family of four: Laurette is the wife of Stobie driller Fern Brisebols, Jack is a sergeant with the Sudbury police force, Armante is married to Copper Refinery welder Dominic Castanza, and Roy is a chute blaster at Stobie.

A fan of the great outdoors, Buck plans to spend the summer months visiting his 13 grandchildren and the family's summer camps in the area to rack up some fishing time.

"I've had a game leg for quite a while," said Buck. "After that's fixed, then I'll make plans for the future."

## Wasy Oleksiuk

Wasy Oleksiuk was one of nine Copper Refinery pensioners who were given a rousing sendoff re-



Mr. and Mrs. Oleksiuk

cently at a stag party at the Caruso Club. During the evening he was presented with a watch and the customary copper plaque

recording his 31 years with the Company.

Born in West Ukraine in 1902, Wasy worked on his dad's farm there until 1930 when he set out for far-away Toronto. He reached Sudbury in 1935, joined Inco at the refinery as a mold man, and was a maintenance mechanic at the time of his retirement.

He married Annie Pysluk in 1933. A ready-made family of two came with the match: Mary (Mrs. Alex Yurich) lives in Hagersville, Pat is Mrs. Duke Lamaich of Mount Forest.

Visiting their family and their two grandchildren is greatly simplified because both daughters are married to hotel owners. "We can drop in on them any time and there's always a spare bedroom."

## St. John Ambulance Branch Launched at Thompson



The Mystery Lake branch of the St. John Ambulance Brigade was officially chartered by the deputy provincial commissioner of Manitoba, Forbes Murray, and the provincial training officer, Michael Keenan. The ceremony took place at a dinner at which this picture of the officers and members was taken: back row, Michael Keenan, Al Peterson, Fred Rozmarinowich, Harvey Moen, Sergeant Ross Papineau, George Mitchell, Brian Swain, John Westra, Tom Moody, and Forbes Murray; front row, Ed. Padjan, divisional officer Nick Barnes, honorary vice-president Dr. J. B. Johnston, honorary president Harry Peterson, divisional superintendent Will Lederhaus, honorary vice-presidents Harry Banasuk and Carl Nesbitt, divisional surgeon Dr. Don Reimer, and Corporal Stan Malcolm.