

INCO TRIANGLE

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An Artist Grows in Sudbury

(Story on Pages 10-11)



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Inco Building on Strong Base to Adapt to Future

"The key to the future for the Company lies in being able to build on its present strengths, and at the same time to adapt to the emerging production and consumption patterns of tomorrow," the chairman and chief officer of International Nickel, Henry S. Wingate, said in his remarks prefacing the annual report of the Company last month.

Moving from Centralization

"We are in a stepped-up process of moving away from being a company with highly centralized operations and with corresponding centralization of responsibility. With the progress of our major expansion in Ontario and Manitoba, our general managers at these locations are carrying greater and greater responsibilities. Reflecting this, each has been elected a vice president of the Company.

"We have established a new office in Australia headed by a vice president to provide leadership in the Southwest Pacific area as our projects there, notably in Australia and Indonesia, begin to move from the exploration to the early development stage. We have also increased the authority of and strengthened our staffs in Paris and Guatemala, who deal with our New Caledonian and Guatemalan projects; and we have provided for more effective co-ordination of services from our headquarters staffs in support of our overseas projects."

Extensive Training Programs

Mr. Wingate said the Company is proceeding rapidly on a variety of management training and motivation programs throughout the Company at nearly all levels. "To give special attention to these programs in Canada and to strengthen our industrial relations in every way we can, the Board recently elected an additional vice president. He and an enlarged staff will devote their full attention to these industrial relations and personnel programs.

"Additionally, we have considerably expanded our engineering organization, which is responsible for the design and construction of our expanding facilities. We have also increased our technical and

A Symbolic Photograph

The growing world stature of Inco's production operations, as well as its exploration and marketing activities, is symbolized by this dramatic night picture of the Danish motor vessel "Inger Skou" as she unloaded a shipment of New Caledonian ore sample for the Company's research stations at Port Colborne, where pilot plant work is being conducted to determine the optimum metallurgical process.

Unlike the rocky sulphide ores at Sudbury and Thompson, the lateritic nickel ores of New Caledonia are silicates in the form of an earthy material, chocolate brown in color, recovered near the surface by open pit mining.

The "Inger Skou" took on this 3,000-ton shipment, one of several which have been required at Port Colborne for research studies, at Port Boise, New Caledonia, about 1,100 miles east of Australia.



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scientific staffs, particularly those involved in process research and the application of our technology to evolve optimum extractive processes for the wide variety of ores available to us."

Environmental Projects

The chairman noted that, as stated in recent annual reports, your Company has done a great deal to eliminate, treat or contain pollutants affecting the plant and animal life, water and air near our facilities. "It is clear, however," he went on, "that nearly everywhere past standards are no longer acceptable. Industry, governmental bodies and the public must all be involved in improving environmental conditions and in recognizing the financial burdens involved.

"The Company's major environmental problem is in Canada, particularly in the Sudbury area. Here, we are working in close collaboration with the Ministry of Energy and Resources Management of the Province of Ontario to determine an effective and rational program. For the near term, we are taking further and costly steps to decrease pollutants and their adverse effects.

"These will bring about a significant improvement in the area's environment. But beyond the longer-term answers are not simple, and many are still unknown. To succeed requires a determination to make environmental protection a key objective, just as safety of operations, efficiency and production have been traditional and achieved objectives with us. We have that determination. There can be no spectacular overnight breakthroughs, but

rather there must be a well-considered program drawing upon advanced technology, a program that involves a proper balance between meeting environmental goals and continuing the development of the area's mineral resources and thus insuring large and continuing employment.

A \$1.1 Billion Program

"Our current program to expand our Canadian production started in 1966. It has now reached the period of peak construction activity. By the end of 1972, we estimate, we shall have invested \$1,100,000,000 in this program, which is greater than the combined total of all the capital expenditures of the Company prior to 1966. But this is not our entire program of production expansion. Beyond it lies our participation in projects outside of Canada. No precise timetable nor forecast is possible, but investments by us and by our associates in them could be in excess of \$500,000,000 over the next half decade.

"To support programs on the scale of these within and without Canada, to attract the capital needed, and to justify the risks involved, International Nickel must substantially improve its earnings and its earnings prospects. This was one of the considerations that led to the decision in November to raise the price of our primary nickel products.

"Ahead, then, we see a period when the emphasis will be on new production and heavy capital investment. The nickel industry is healthily growing, largely because of what International Nickel has done in the past. Our objective is to compete aggressively and suc-

cessfully in this growing market. To do this we are adapting our organization and strengthening all our human, physical and financial resources."

Golden Anniversary

A family dinner party at the Copper Cliff Club followed by a reception at the home of their son, celebrated the 50th wedding anniversary of Mr. and Mrs. Wesley



McNeice, who were married in Belfast, Ireland, on March 19, 1920.

Mr. McNeice came to Copper Cliff in 1926 to work at the smelter, from which he retired on full service pension in 1957, a popular and highly respected general foreman in the reverberatory department. His wife, the former Elizabeth Crowther, and their family joined him in 1929.

They have two married daughters, residing in Toronto, and one son, Wes McNeice Jr., who is assistant superintendent of transportation at Copper Cliff. They have nine grandchildren. They reside in Sudbury.

Inco Family Album



John DeCicco came to Canada from Italy in 1965 with his wife Ida and three children, Frank, now 15, Mary, 12, and Joe, 10; Vincenzo, 3, has since arrived on the scene. John started to work at the Port Colborne nickel refinery in 1967, and is employed in the electrolytic department.



Following in his father's footsteps, Gary Fraser, a Copper Cliff boy, is a crane-man in the smelter. His wife Mabel came from Blaine Lake, Saskatchewan. In their handsome family are Connie, 17, whose ambition is to be a professional ice show skater, Clifford, 14, Susan, 9, Richard, 5, Evie-Anne, 12, and young Garry, 2. They live in New Sudbury, where ambitious Gary operates a lodging house and restaurant on the side.



The father of this good-looking family is Thompson mine shaft inspector Ken Spencer. Born in Markstay, Ken left his job as forest ranger to join Inco at the Coniston smelter in 1959, and transferred to the Manitoba division in 1963. His wife Isabel came from Hespeler, Ontario. Their children are Hazel, 14, Elaine, 15, Neil, 12, Craig, 11, and Margaret, 8.



A third generation Incolite, Coniston first-aid attendant Jack Corrigan started his career with the company in 1956 at the copper refinery. He moved to the safety department in 1962, and has worked at Coniston since 1966. With him in this happy group are his wife Lorraine — who doubles as busy mother and school secretary — Kathy, 9, Bonnie, 8, and Jackie, 6. A keen gardener, Jack also enjoys oil painting.



A native of Yorkton, Saskatchewan, Frank Wilson came to Inco in 1950 at Creighton mine, where he is a stope leader at No. 6 shaft. Apart from holidaying back West, Frank's favorite pastimes are gardening (with lots of help from wife Gerry) and the odd round of golf at Lively. Their charming daughters are Louise, 15, and Linda, 19.

Mike Beskorowany, born in Callento, Manitoba, spent 12 years operating and maintaining bulldozers before joining Inco in 1953 at Frood, where he is a driller on 2200 level. He is a member of the Valley East volunteer fire brigade. With him and his wife Jeannine in our picture are: (standing), Carol, 13, Pauline, 18, Linda, who is married to Raymond Ranger, a driller at Stobie, and Doreen, 16; (seated), Robert, 7, Mark, 5, Michael, 9, and Denis, 10. Mike and his sons often go far pickerel off Iron Island on Lake Nipissing.



Port Colborne Society Hit New Heights with "Oliver!"



London Bridge had better NOT come falling down, or there's going to be one awful combustion of people and petticoats in this picture of the Port Colborne Operatic Society's company that staged Lionel Bart's "Oliver!"

For a solid week commencing March 14 the Society delighted capacity audiences gathered from all over the Niagara Peninsula

with its 24th annual production by local amateur talent. Through a wide range of Gilbert & Sullivan, and many Broadway hits, it has built itself over the years into a highly professional organization.

This year the Society moved from its old home at the Inco Recreation Hall, nostalgic with all its triumphs, to the ultramodern accommodations of the spanking

new Dr. E. C. Butcher auditorium at Lockview Park Secondary School. They made excellent use of a stage turntable to present the many scenes from 19th century London involved in Charles Dickens' touching tale of Oliver Twist.

"Oliver!" proved to be a bright and lively show with "Dot" Fort as director-producer, Dot Blakeley

as choreographer, Marie Glaves as choral director, and Mark Fairchild as orchestra conductor. Society president was Ed Kahliloff.

Starring were David McDonald as "Oliver", Ken Prosser as "Fagin", Tony Mancuso as "The Artful Dodger", Dick White as "Bill Sykes", and Lois Leach as "Nancy". Unnamed but also in starring roles were the backstage workers who helped make the show move so smoothly.

Among the Inco-connected people taking part in this great production were Donna Cutler, Lenore Ellsworth, Wilma Tennier, Rae Wilcox, Kjeld Bech, Don Horne, Gwen Goss, Elaine Brown, Carmen Bonfoco, Gary Pinelli, Kenny Goss, Paul Sesto, Grant Barker, Tom Booker, Karen Bell, Michael Lalle, Jackie Crawford, Linda Doan, Bonnie Laplante, Joan Piper, Dominic Pavero.

Jeff Burgess, Frank Getin, Lloyd Goss, David Goss, Douglas Force, Ron LaPlante, Ken Evoy, Jim Crawford, Pat Goss, Muff Cross, Marilyn Force, Phyllis Nixon, Roxanne Lee, Gail Sauder, Mary Way, Nick Ceply, Barbara Ceply, Murza Armbrust, Shirley Pettit, Larry Roach, Cheryl Barker, Marilyn MacDonald, Dick Goss, Margaret Borbely, Karen Martine.

John Gould Succeeds As Inco's Comptroller

W. John Gould, an employee of International Nickel since 1937, has been elected comptroller of The International Nickel Company of Canada, Limited and of its United States subsidiary, The International Nickel Company, Inc., Henry S. Wingate, chairman, announced March 11.

Mr. Gould succeeds Walter A. McCadden, who retired on March



Versatile Artist Shows Art of Making Decoys

Approaching fall is the time when most duck hunters start preparing their gear for the annual pilgrimage to the lakes and the swamps. There are others who get off to an even earlier start.

Since January a class of 15 has been attending a course on carving and painting duck decoys at Lockerby Composite School, as part of the Sudbury Board of Education adult education program.

Under the expert instruction of Orest Andrews, Inco's artist extraordinaire, the students have applied themselves every Monday evening for three hours.

For most carvers, the first decoy — the basswood for which was

Closely watching instructor Orest Andrews as he starts painting a carved decoy are Jim Cook, Tom Peters, Frank Atwood, Wes Davey, Chris Bischoff (behind Orest), Pete Watson, Grant Palmer, Bud Feick, Cy Leclair.

included in the \$12.00 course fee — was completed in six sessions. Repeat efforts would take less time, and "once they get the swing of the thing they'll be able to rattle 'em out in a couple of hours," prophesied the instructor.

Painting the decoys takes a little longer, depending on the dedication of the artist. Four hours would be required for a detailed job with cunningly blended colors and feather markings.

Why take such pains when prices of styrofoam decoys are so reasonable? Orest had the answer.

"Most duck hunters take pride in using their own gear," he explained. "Bringing the ducks into

your own decoys rather than those in the next bay is also very satisfying. Ducks aren't fooled that easily, a decoy doesn't only have to look right — it's got to ride right, and for that you can't beat a well-balanced wooden decoy."

Spring and summer is a busy time for outdoorsmen, and some of those in Orest's class may not have the opportunity for further carving this year.

"If you're travelling down the lake next fall and see a single lonely decoy bobbing around in front of a blind," said the instructor with a grin, "you'll probably be passing a member of my class of '70."



W. A. McCadden

W. John Gould

15 after 35 years of service with International Nickel.

Mr. Wingate also announced that Ian McDougall, assistant comptroller, will succeed Mr. Gould as deputy comptroller.

Mr. Gould, a member of the accounting department for 33 years, has been deputy comptroller since 1960. He was chief tax accountant from 1949 to 1955, when he was appointed assistant comptroller of both the parent corporation and the U.S. subsidiary.

Mr. McCadden had been comptroller of International Nickel since 1955. He joined the company in 1935 as a tax accountant, following several years as senior accountant at Price Waterhouse & Co.

Mr. McDougall joined International Nickel in 1947. He has been assistant comptroller of The International Nickel Company of Canada, Limited since 1968 and assistant comptroller of The International Nickel Company, Inc. since 1966.



ANDY COURVILLE

Andy Courville finds fishing "too frustrating", so moose and partridge are now his exclusive quarry. Born in Parry Sound, he came to Sudbury as a youngster. A crane man in the converter aisle, he started with Inco in 1960 and is shown here at the controls of one of the main aisle converter cranes. His wife Michelle is a busy woman with four children to look after in the house Andy built last year in Hanmer.



TOM MYCHALKIW

An avid outdoors enthusiast and family man, Tom Mychalkiw gets a lot of pleasure out of his Rutter Lake summer home near Hagar. A transport man in the coal plant control room, Tom came to Canada from the Ukraine in 1947 and commenced working for Inco in 1948. He is shown aerating a tank in preparation for shooting coal over to the reverberatory furnaces. Tom and his wife Olga and two children live in New Sudbury.



OMER ROY

Between commuting 35 miles to work daily from his home near St. Charles, helping his wife Rhea raise their brood of eight children, and operating a clothing store in the nearby town, Omer Roy doesn't have too much spare time on his hands. A pumpman in the FBR building, he is seen here adjusting the discharge volume on No. 2 roaster. Omer has been with Inco since 1951.

PEOPLE YOU MAY MEET ON A COPPER CLIFF

Smelter Walkabout



GILBERT LAFRENIERE

Born in St. Boniface, Manitoba, Gilbert Lafreniere has been an Incoite since 1943. After six months in transportation, he transferred to the reverberatory furnaces where he works as a tapper; he is shown taking a reading of the shaft speed on a coal feeder. Gilbert and wife Alice and three children live in Hagar where he keeps busy on the side as a motel operator. When time permits, they enjoy an outing with their new snowmobile.



MILDREN ANDRIC

Born in Yugoslavia, Mildren Andric worked in rural England near Birmingham before coming to Canada and Inco at Sud-

bury in 1951. He and his wife Anka delight in their two-year-old son Nicholas and in the flower garden at their Sudbury home. A grinderman helper in the separation building, Mildren is shown checking the feed and poles on a rotary magnetic separator.



ALEC TYMOCZKO

Coming to Canada from Poland in 1949, Alec Tymoczko joined Inco in 1951 after working for two years in Quebec copper mines. An active hunter and fisherman, this converter skimmer built a brick house for his wife Mary on Edmund Street in Sudbury. Here we see Alec skimming slag off No. 10 converter.



ALFRED DeLUCA

Alfred DeLuca plans to revisit his relatives in his native Italy soon, for the second time since coming to Canada in 1949. A pumpman in the reverberatory, where he has worked since 1950, Alfred is seen shaping a clay bud to plug the slag stream from the taphole on No. 9 flash furnace. His wife Mary and their three daughters know him as a keen gardener, traveller and ice fisherman.



ROBERT BEAUDRY

A summer cottage on Fairbank Lake and family snowmobile outings fill the recreational bill for Robert Beaudry. Born in Sudbury, he joined Inco in 1966 after working for the CPR. His father, Oswald Beaudry, a welder at Copper Cliff smelter, is justifiably proud of the two granddaughters that Robert and wife Jeannine have presented him. Robert is seen in the oxygen control room relaying a pressure reading on a reverberatory header.



ANDY WOZNIAK

Seen inspecting the calcine flow in a roaster, furnaceman helper Andy Wozniak arrived in Canada from his native Poland in 1949. After a brief stint at farming near Ottawa, he came to Sudbury to work in the roaster department, and became a star forward on the Polish White Eagles soccer team. Andy built his wife Helena a handsome home in Sudbury. They have a married daughter in Toronto.

NORMAND HAMEL

A transport truck driver before coming to Inco in 1966, powderman Normand Hamel was born in Sudbury and brought up in Hagar. He likes to stalk the mighty moose or any other game. He's shown operating the small "Husky" loader which is used for clean-ups in tight places in the converter aisle. Normand and his wife Gilberte live with their two daughters in Sudbury.





Falco mine research expert talks mining careers with Marino Taus and Sauro Camiletti (St. Charles College).



Inco asst. mill supt. George Mitchell explains a flow sheet to Dick Gagnon, Joe Frescura, Bob Daggett and Don MacIntyre, all in grade 12 mechanical technology at Sheridan Tech.



Macdonald-Cartier guidance head Claude Tessier and students Francois Lapalme and Suzanne Belanger hear about smelting from Inco process engineer Tony Fritz.



Inco process technology engineer Stu Sanmiya talks copper refining with Ernest Chaput (Sudbury High) and Bruce Pietila (Cambrian College).



Falco geologist Phil Belyea explains use of scintillometer in aerial exploration for ore to Gary Delorme and Jan Roelkjaer (La-ellen) and Ken Louvel (Sudbury High).



Heather Jeremaz punches in a data request to a live computer in Toronto and with class mates Elizabeth Macintoe and Josephine Crivici (Grade 8, Churchill) awaits the computer's reply on the printer. With them are IBM's Bob Mornan, Inco computer tape librarian Rajja Luoma, and Inco data processing chief Jim Grassby, who explained some of the complexities of computer operations.

Careers Expo

The future, in dozens of its facets, beckoned to thousands of Sudbury area secondary and senior elementary school students, and many parents, who converged on Sheridan Technical school April 3-5 for Careers Expo 70. Staged jointly by the Chamber of Commerce and the Board of Education, the elaborate exposition, first since 1967, featured career opportunities ranging through the sciences and vocations from mining to nursing, telephone technology to hairdressing, chiropractic to policemen'ship, contract estimating to chemistry.

Nobody can say the kids don't get a good choice these days.

Norm Green, Falconbridge public relations supervisor, and Ed Norris, EMO director, both representing the Chamber of Commerce, were co-chairmen of the very successful Careers Expo 70, and along with Eleanor Wainwright,

master teacher of guidance, had the assistance of a large and active committee.

Sudbury area's major industry naturally put on a good show. A huge load-haul-dump machine, typifying modern mining methods, stood near the entrance to the building, and inside was a highly informative display of models, materials, photographs, flow sheets and charts covering geology, mining, milling, smelting, refining and data processing.

Sudbury branch of the Canadian Institute of Mining and Metallurgy, with the co-operation of Cambrian College, Laurentian University, and equipment suppliers, arranged the exhibit. It was manned in shifts by personnel from International Nickel and Falconbridge Nickel, who fielded the steady barrage of questions from the students. Inco's motion pictures of its operations drew large audiences.

Committee in charge of arranging the CIMM display is shown below with models of modern mining equipment: Dr. Bob Cameron, geophysicist at Laurentian; Bob Sandberg, project engineer at Inco's copper refinery; Stu Winter, chairman of mining and geology at Cambrian; CIMM chairman Charlie Hews, Inco safety superintendent; CIMM vice chairman Ray Holmes, general superintendent, Falconbridge area; CIMM secretary and Expo sub-committee chairman Len Kitchener, Inco mines research engineer.



Mine Drainage Clarification In Pollution Control Program

An example of International Nickel's continuing pollution control program is the system installed at Garson mine for the cleaning and clarification of mine drainage water before it is pumped to surface.

The amount of fine material decanting with water from hydraulic sand-filling operations in mined-out stopes is greatly reduced, and along with mineral salts precipitated from other mine drainage water is collected in large underground sumps and removed by vacuum filters. The filter cake is hoisted with regular mine ore.

The clarified water is pumped back up to a storage tank on surface, where most of it is held for re-use. The overflow goes to a settling pond where particles, so small that they passed through the filters, settle out before the water is allowed to return to the natural waterways of the area.

Sand Fill Plant Described

A description of the two-year-old automated sand plant at Garson, and the development of sand fill handling arrangements, was presented by Ken Conibear, area engineer of the Garson, Kirkwood and MacLennan mines, at the annual meeting of the American Institute of Mining Engineers at Denver, Colorado, in February.

Hydraulic fill was introduced at Inco in 1948 as a method of filling mined-out stopes and stabilizing underground workings. It was a major improvement over the development rock, gravel, dry sand, and crushed smelter slag previously used. The subsequent introduction of cemented sand fill, a lean mixture of cement and sand which stabilized the fill mass and reduced ore dilution, made possible the development of important new mining techniques.

Along with its advantages the hydraulic system presented the mines department with the problem of controlling large volumes of drainage water from the filled

working places, containing in suspension very fine particles of cement and sand.

Threefold Task

At Garson, Mr. Conibear's paper stated, the fill mining method constitutes 95% of the mine's operations, and 60% of the hydraulic fill contains cement. The engineers were faced with the threefold task of improving the clarity of drainage water by retaining within the filled openings a maximum amount of the fine material contained in the hydraulic fill, collecting and conducting this water to the mine's settling sumps, and conditioning the settled sludges to produce a caked material that could be hoisted with mine ore.

Improving water clarity involved a series of tests with various chemicals, from which it was determined that introducing a 1% dilute solution of a water-soluble synthetic polymer to hydraulic fill, at or near the pour point in the stope, resulted in a reduction of 81.6% of the suspended material in the drainage. A further result was a more even distribution of the cement throughout the fill.

In the Garson arrangement sand fill water is piped from the decant boxes at the pouring elevation directly to the drainage pipe system on the level below. From there it discharges into 9-inch

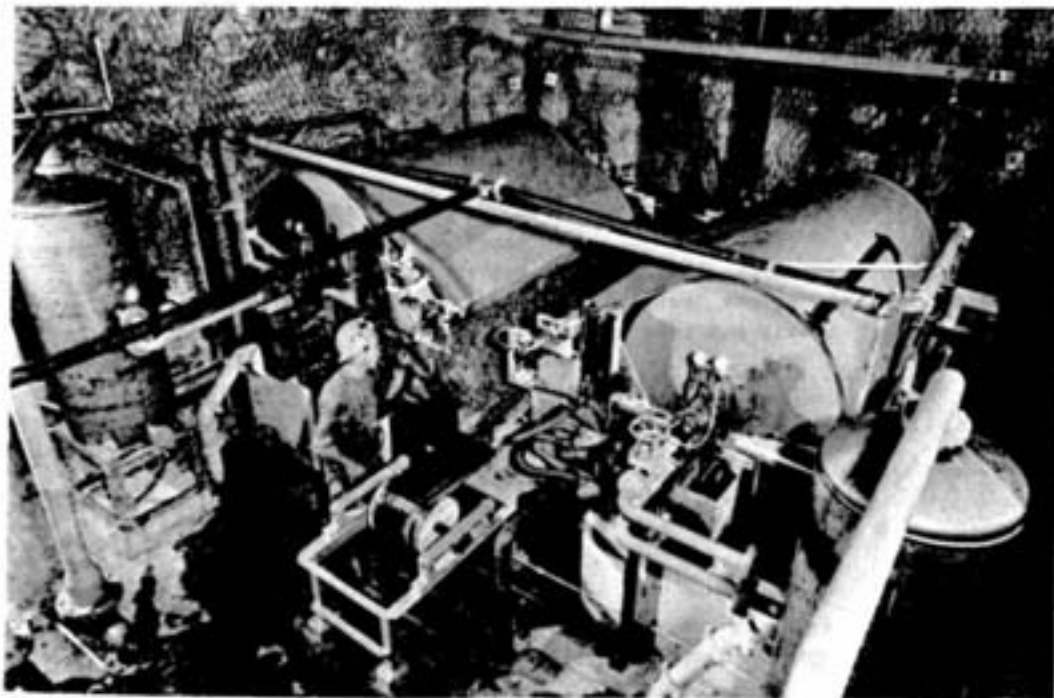
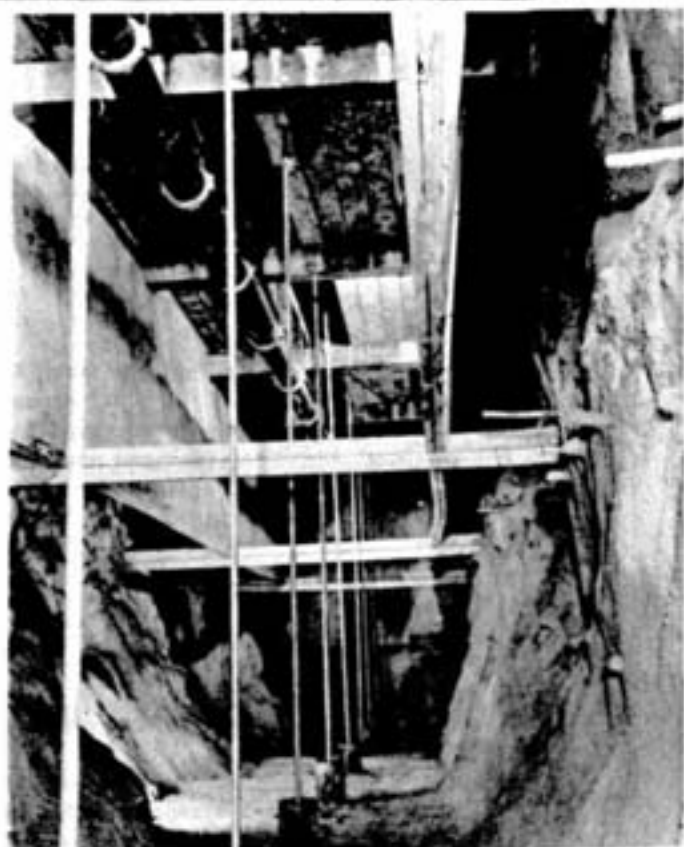
boreholes which carry all mine drainage water to two settling sumps located on the 3,000- and 4,000-foot levels.

Metal Salts Precipitated

When the hydraulic fill water, still containing lime from the

(Continued on Page 14)

Carved out of the rock, this is one of the two settling sumps at Garson. The picture, taken before initial flooding, shows the wooden baffles that deflect incoming mine drainage water toward the bottom of the sump. Overflow water decants into the slotted topside of the pipeline seen at the top of the picture; settled materials are drawn off through drain-holes in the bottom of the sump. Drain plugs are operated from the gangway above.



These vacuum belt filters on the 4,000-foot level at Garson mine extract settled materials from the mine drainage water and produce a filter cake dry enough to mix with ore for hoisting to surface. Inspecting the installation is maintenance co-ordinator Frank Horsfall.

Collected on a belt conveyor, the filter cake drops through a borehole to the crushed ore bin 45 feet below. Standing by is mine area engineer Ken Conibear.



— APPOINTMENTS —

Appointments have been announced as follows:

TORONTO

By F. Foster Todd, executive vice-president:

William H. Armstrong, executive assistant—metallurgy;

Ralph L. Hawkins, executive assistant—mining; formerly chief engineer of the Manitoba division at Thompson, he will be mainly concerned with mining problems relating to our foreign projects.

E. H. G. Cornford, administrator of educational affairs, office of the executive vice-president.

By Dr. C. E. O'Neill, assistant vice-president—process research:

Hugh C. Garvin, process manager, New Caledonia;

Richard H. Lloyd, process manager, Austral-Asia.

Eugene J. Michal, process manager, Guatemala.

Mr. Garvin and Dr. Lloyd will be located at the Toronto office, reporting to D. Kelly, director, process development. Dr. Michal is located in the New York office.

ONTARIO DIVISION

By J. A. Pigott, vice-president and general manager:

R. C. Hamer, director of public affairs.

By G. O. Machum, assistant general manager (processing):

R. N. Browne, assistant superintendent of mills; in this capacity Mr. Browne will be primarily responsible for production operations at all mills.

By J. B. McConnell, manager, reduction plants:

E. H. Capstick, superintendent, Copper Cliff mill;

K. R. Kay, technical assistant to superintendent of mills;

M. J. Puro, assistant superintendent, Levack mill;

J. W. Butwell, assistant superintendent, Levack mill;

G. A. Mitchell, assistant superintendent, Copper Cliff mill.

MANITOBA DIVISION

By J. McCreedy, vice-president and general manager:

W. P. Clement, chief engineer;

B. E. Maxfield, assistant chief engineer—design;

N. Peters, assistant chief engineer, construction.

W. H. ARMSTRONG

Following his graduation from Queen's University in mining and metallurgy in 1930, Bill Armstrong joined the Company at Copper Cliff and spent a brief but memorable initiation in the smelter, wielding a sledge hammer on ladle skulls.

He then became the first smelter test engineer under G. H. C. Norman, and a year later moved to the metallurgical department as assistant to the chief metallurgist, J. P. Robertson. Appointed plant metallurgist in 1946, he was in charge of the subsequent co-ordination of sampling and assay procedures throughout the reduction works, and supervised the setting up of similar organizations in the new plants as they came on the scene.

In 1964 he was transferred to the Toronto offices as chief metal-

lurgist, the position he has held until his new appointment.

He was born at Brandon, Manitoba.

His marriage to Ina MacPhail took place at Copper Cliff in 1933. He has three children and 11 grandchildren.

His pastimes are golf and bridge.

RALPH HAWKINS

A 35-year career with Inco that spanned the complete life of the Manitoba division as well as long previous experience in the Sudbury area, lies behind Ralph Hawkins as he takes up his new responsibilities at Toronto.

Born at St. John's, Newfoundland, he graduated in 1934 from Nova Scotia Technical College with the degree of B.Sc. in mining engineering, and after a year's practice as a consultant joined International Nickel, working in the mine engineering departments at Frood and Creighton mines.

He served five years in the aeronautical engineering branch of the RCAF in World War II, and held the rank of squadron leader on discharge.

Returning to Creighton he became assistant mine engineer, then transferred to Stobie where he succeeded Frank Learned as mine engineer. He moved into the mines engineering department at Copper Cliff as assistant to the chief mines engineer in 1956, and shortly thereafter was sent to Thompson on a reconnaissance assignment covering all details of the Manitoba mine and plant project. He was there when the diamond drill holes revealed the extent of the Thompson orebody, and when the first tree was cut down for the plant site in January, 1957. His family joined him that summer, living in a tent beside Thompson Lake; they moved into a house on Juniper Drive in October, 1958. At a farewell party in their honor last month, vice-president John McCreedy referred to them as "the first family of Thompson".

Ralph Hawkins became chief engineer at Thompson when the plant went into production early in 1961, and remained in that capacity until his new appointment.

He was married at St. John's, Newfoundland, in 1938, to Nathalie Brown, and has three children. Curling and bridge are his favorite pastimes.

ERNEST CORNFORD

Born at Brantford, Ontario, Ernest Cornford received an honors degree in geology and mineralogy from the University of Toronto in 1938, and a master's degree in economic geology from Queen's University in 1940.

Prior to joining International Nickel as a geologist at Copper Cliff in 1943, he had wide experience in field geology with the Ontario department of mines and Consoli-

dated Mining & Smelting Company of Trail, B.C.

He was mine geologist at Murray mine, and senior research geologist at Copper Cliff before becoming technical adviser to the chief geologist. He was transferred to the Toronto offices in February, 1970, and has since been increasingly occupied with technical educational surveys, programs and personnel.

He was married at Brantford in 1943 to Doreen M. Juby, and has four children.

He lists nature, music, golf and curling among his recreational interests.

HUGH C. GARVIN

Hugh C. Garvin's association with International Nickel dates back to 1951 when, having graduated in chemical engineering from the University of Glasgow, he joined the research department at Copper Cliff.

Born in Mukden, Manchuria, the son of Scottish medical missionaries, he received his early schooling in Scotland and England, completed high school on Canada's Pacific coast, and returned to Scotland for his university training.

Much of his early Inco research work was done at the old No. 3 pilot plant at Coniston, which he followed through during the start-up period of the new iron ore recovery plant at Copper Cliff.

Transferred to Port Colborne in 1959 as a test engineer at No. 1 research station, in 1968 he became an assistant superintendent of the Port Colborne research complex, which had grown to three stations. He was engaged on development of the Inco carbonyl process, moved to the J. Roy Gordon research laboratory at Sheridan Park, and then joined the process development group at Toronto.

He was married in 1958 at Kapuskasing to Betty Forbes, and has four children. His recreations are curling and golf.

RICHARD H. LLOYD

Prior to joining International Nickel in 1964, Dr. Richard Lloyd was assistant superintendent of the American Smelting and Refining Company at Tacoma, Washington, for seven years. He also taught extractive metallurgy at the university level for three years, and had been engaged in extensive industrial research.

He was appointed acting superintendent of research at Copper Cliff in late 1968, and in January 1969 was transferred to the J. Roy Gordon laboratory at Sheridan Park as a research associate. He then became a member of the process development group at Toronto engaged in co-ordinating programs for the Company's new world developments.

A bachelor, he enjoys photography, music, and non-fiction reading, especially Byzantine his-

tory. He has recently taken up flying.

Born in Trenton, N.J., Richard Lloyd received the degree of bachelor of science in chemical engineering from Tufts University, his master's degree from the University of Washington, and his doctorate from Columbia University.

R. C. HAMER

Robert C. Hamer, who has been supervisor of public affairs with the division since 1968, will, in his new position, have full responsibility for the Company's public relations and information services in the Ontario division.

These include supervision of plant tours, community relations, public relations, advertising and other informational services.

After joining International Nickel in New York in 1965, Mr. Hamer was moved to the Company's Toronto office in 1967 and to Copper Cliff in 1968.

A native of Montreal, he was educated at Cambridge University, England, and the University of California.

He is married to the former Donna Ross of Saratoga, California, and resides in Copper Cliff.

R. N. BROWNE

Robert N. Browne was born in Montreal but resided in England for many years.

He graduated from Camborne School of Mines, Cornwall, in 1955.

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, and superintendent in December, 1968.

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

E. H. CAPSTICK

Holding the rank of captain after service overseas with the Royal Canadian Engineers in World War II, Elmore "Cappy" Capstick went into militia work at Sudbury and in 1960 was appointed for a term as commanding officer of the 58th L.A.A. Regiment, R.C.A., with the rank of lieutenant-colonel.

Born in Winnipeg, he attended Capstick school in Calgary and Orillia before graduating from Queen's University, Kingston, in 1933 with a degree in chemical engineering.

He joined International Nickel in the mill at Copper Cliff, where he became a general foreman in 1958, assistant to the superintendent in 1967, and assistant superintendent in March, 1969.

His marriage to Melba Jean Stout took place at Kincardine.



W. H. Armstrong



R. L. Hawkins



H. C. Garvin



R. C. Hamer



R. N. Browne



E. H. G. Cornford



R. H. Lloyd



E. H. Capstick

Ontario, in 1938, and he has a family of four, with four grandchildren. His son Ron is a member of the electrical department at Copper Cliff.

Participation in Canadian Legion affairs and golf are his outside interests.

K. R. KAY

Born in Winnipeg, Ken Kay spent his boyhood on McKenzie Island near Red Lake, Ontario. Graduating in 1958 from McGill



K. R. Kay

University with his engineering degree, he worked as a metallurgist at Elliot Lake until he joined the International Nickel research department at Copper Cliff in 1960.

He has since held the positions of research engineer at the iron ore plant and at the copper refinery and test engineer at the Copper Cliff mill No. 1 pilot plant.

In June, 1967, he was appointed assistant superintendent, Frood-Stobie mill.

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

MARTIN PURO

Assistant superintendent at the Levack mill since 1968, Martin Puro joined International Nickel as a research engineer at the



M. J. Puro

Company's Port Colborne nickel refinery immediately following his 1961 graduation from Michigan Technological University as a metallurgical engineer.

He left the Company in 1964 to work for an electrical firm at Brockville, returned as a process engineer at the Copper Cliff mill in 1966, moved to the Levack mill later the same year, and worked as a shift boss until his appointment as assistant to the superintendent in 1967.

A native of Sudbury, he married Linda Heino, also of Sudbury, in 1962. He has two sons.

Golf is his favorite sport.

JEFF BUTWELL

Born in Manistee, Michigan, Jeff Butwell graduated in metallurgical engineering from Michigan Technological University in



1961, and two years later obtained his master's degree in mining engineering from Columbia University, New York.

Following broad experience in copper, lead and zinc, and iron ore mining operations in the United States, he joined International Nickel in the process research department at Copper Cliff in July, 1967, and a year and a half later became assistant to the superintendent at Copper Cliff mill.

His marriage to Sue Garthe took place in 1965 at her home town, Leland, Michigan. He has one son.

His favorite pastimes are fly fishing and bird hunting.

GEORGE MITCHELL

Sudbury was the birthplace of George Mitchell, and during several of his student summers he was employed at International Nickel. He graduated from Michigan



G. A. Mitchell

Technological University in 1962 in metallurgical engineering, then joined the Company in the special projects department.

He returned to Michigan Tech. in the fall of 1963 to obtain a business administration degree, after which he qualified for a master's degree in mineral engineering.

After spending a year with a taconite mining company in Minnesota he returned to Inco in April 1967 at Frood-Stobie mill, and later that year moved over to the Copper Cliff mill as assistant to the superintendent.

He was married at Whitefield, Michigan, in 1962 to Nancy Hill, and has three children.

Hunting, fishing and woodworking are his recreations.

W. F. CLEMENT

Copper Cliff was the birthplace of Bill Clement, who attended public and high school there and then went on to the University of



W. F. Clement

Toronto, from which he received his B.Sc. degree in mechanical engineering in 1954.

During his school vacations from 1947 to 1953 he was employed in the smelter and the mechanical department at Copper Cliff.

Following his graduation he joined the Inco mines mechanical department with which he worked at Levack and Clarabelle as well as in the Copper Cliff office.

He was transferred to Thompson in 1963 as assistant mechanical superintendent, and in 1965 became chief maintenance planner. He was appointed chief mechanical electrical engineer of the Manitoba division in December, 1967.

He was married at Oshawa, Ontario, in 1956 to Patricia Carey, and has two children.

BLAKE MAXFIELD

Immediately following his graduation from the University of Western Ontario in 1960, with a degree in electrical engineering, Blake Maxfield joined International



B. E. Maxfield

Nickel at Thompson, where he became senior electrical engineer in 1963.

He transferred to the engineering department in late 1967 as section engineer — electrical, and in October, 1969, became supervising engineer — design.

His marriage to Martha Harley of Thompson took place in December 1964. He has two sons.

Duplicate bridge, collecting stamps and coins, and fishing are his recreations.

He was born at Forest, Ontario.



Busy at his basement workbench, and working under the wide eyes of a couple of colorful plastic clown plaques that he created, Milt TenEyck is assembling an all-plastic desk set sporting cut and polished rock samples, one of the many beautifully finished articles that he produces for a stream of steady customers from all across Canada.

Plastics Hobby Has Snowballed On Milt TenEyck

"Great oaks from little acorns grow," goes the old saw, and Milt TenEyck, process technology analyst at the copper refinery, is in full agreement.

He isn't in the tree-growing business, he's a plastics hobbyist whose creative curiosity in 1961 regarding the behavior and uses of polyester resin and his early attempts to embed local rock samples, has snowballed so that today in his spare time he is providing his expert services to interested customers from British Columbia to Labrador, and many places in between.

"It's a somewhat cockeyed case of economics," he explained to the Triangle with a wry grin. "In the beginning my sales supported my hobby expenses, but now they leave little time for me to work on my own projects."

Milt's ability to solve tricky problems has led to many diverse assignments, including one order for individual embedding of 300 lamprey eel fingerlings for an organization promoting protection of Great Lakes commercial fishing.

Other calls upon his talents have involved preserving desert

flowers for a botanist, assembling displays of valuable coins for numismatists, and mounting precious stones for gem collectors.

Jack Frost the Villain

Long-range operations have once in a while produced special problems. In one shipment to Jasper National Park, sub-zero temperatures and the differing co-efficients of expansion for plastic and the embedded subject combined to create disaster, with nearly all the work arriving in a shattered condition. "That was four full days effort down the drain," observed Milt with a sad shake of his head.

The hobbyist's basement on Attlee Street in Sudbury is packed from floor to ceiling with chemicals, dyes, resins, rock samples, molds, curing ovens, current orders awaiting shipment, and a variety of grinding and polishing equipment needed in the production of plastic products.

Milt's latest mechanical aid, and one of which he is very proud, is a high speed diamond saw for cutting rock samples — most often requested embedment.

A native of Parry Sound, and an Incoite since 1940, Milt feels that plastics will play an even bigger role in the future than they do today. "People talk of the current years as the plastic age," he said, "but the full potential of the material has yet to be realized — that's what so challenging about this hobby, you can never tell just what's around the corner, but I aim to find out."

NORMAN PETERS

During 10 years' experience with English Electric Company Norman Peters was engaged on steelwork construction projects in several



N. Peters

countries including Norway, Sweden, France and Spain. He also spent three years as chief electrical engineer of a steel company in England.

Immediately prior to joining International Nickel at Thompson in October 1969 as supervising engineer — construction, he was chief engineer of the Manitoba Rolling Mills at Selkirk.

Born at Reading, England, he graduated from the University of London in 1951 with a degree in electrical engineering.

He was married to Sylvia Parry in 1952 at her home in Pyle, South Wales. He has four children.

His hobbies are bridge, and water sports of all kinds.



Glittering samples of Sudbury's ores are always in demand as souvenirs, and Milt supplies several local tourist establishments with plastic mounted pieces. Cutting thin sections with his high speed diamond saw, he will later grind and polish the flat surfaces to bring out the lustre of the ore.



THE SWING



IVAN WHEALE MAGIC R

It must have been quite a shock to the parochial art fanciers to find at one time this month another major exhibition — "of all places" — Sudbury.

Whatever impression the average visitor has of the vast region beyond Sudbury is not as a cradle of culture.

Yet this is the milieu in which the striking young individualists are working. More surprising is the fact that it is in the Pre-Cambrian Shield, nor in the mining industry, that he has found his home. Ivan Wheale is painting a picture of the early 1900s who wrested the homestead from the close-fisted grip of the frontier. No wonder from the land.



Ivan Wheale



THE LATCH

THE LETTER



LAMMI'S FARM

Photos by
Rene T. Dionne



THE RED ROOF

WHEALE'S REALISM

Back to some of Toronto's more
of the city's important galleries
by an artist living and working

age denizen of Southern Ont-
the Muskokas, it certainly is

h one of Canadian art's most
ining acclaim. Perhaps even
not in the rock ruggedness of
he romance and might of the
his medium as a realist. In-
tribute to the pioneers of the
ads or small farms from the
rth, and made their grubstake

Exploring the Past

Here and there up and down the line from
Massey as far south as Huntsville, with countless
side-road pilgrimages, Wheale had sought out the
simple monuments to many who fought that hard
and lonely battle—dilapidated barns and build-
ings, succumbing to ruins, land reverted to wild,
unkempt grass, implements riddled with rust.

But his story is not of melancholy failure.
Rather, the stark desolation of some of his scenes
strongly underlines the unquestioning courage
and spirit of the men and women who took up
the challenge of that formidable country to win
their little triumphs. And it tells how nature on
the other hand, beaten back and subdued for a
few years by the invaders, has relentlessly re-
turned to claim her victory, as she must over
all men.

Ivan Wheale's realism, while intensely honest
and uncompromising, is never really harsh or
cynical because it is imbued with reverence for
man and nature in their timeless classic conflict.
He adds the "magic" forgiving touch—consum-
mate skill with the sensitive play of light, or
gentling diversions of small figures or objects
like the exuberant boy explorers in "The Swing."

Realists, his brush and his total dedication

(Continued on Page 14)

WALFORD FARM





SOME SCENES FROM A

Busy Winter At Thompson

PHOTOS BY FRED SHEPPARD

True Grit When their temporary original run at the gravel pit was literally dug out from under them, Thompson Ski Club two years ago moved over to a fine hill on the Moak Lake Road, lower part of which is shown in this picture. Under the inspiring leadership of "originals" like Bert Ingebrigtsen, Fred Hartman and Frank Newman, an excellent facility has been developed. Generous donations from local industry and business, along with car raffles, a fashion show and other projects, plus a lot of volunteer hard work by the members, made the project possible. The finishing touches were being added to a handsome chalet when it burned down the night of November 23, but with true Western spirit the club bounced right back with plans to start building a new one in May, twice the size. In the meantime they "made do" by hauling in three trailers.



Expert Coaching A regular class in the Nancy Greene Ski League is seen here receiving instruction from Brent McIvor. A highlight of the past winter was a three-day ski clinic held at Thompson by a National Ski Team coach, "Butch" Boutry of Rossland, British Columbia, which attracted young and not-so-young skiers from many points in Northern Manitoba. The club has its own senior racing coach in "Chuck" Leishman of Inco, a former Copper Cliff boy.



A Roaring Success

Right on the bit with all the refinements of modern living, Thompson naturally has a full-scale epidemic of snowmobile fever. The 90 members of the town's Power Toboggan Club staged a snowmobile rodeo on March 22 which they billed as a Hullabaloo, and it drew a total of 139 entries, 30 from out of town. Needless to say the event was a roaring success. Picture shows a daring rider in one of the jumping events, which drew big crowds.



Buy Second Lift

Frank Shatz is shown on the poma lift arriving at the top of the Thompson Ski Club hill, which has a vertical drop of 200 feet and a downhill run of 1800 feet. Club president Trev Fregren says a rope tow will be added this summer, and after this season of unusually light snowfall they're also talking snow-making equipment. The club has upwards of 200 rarin'-to-go members, and there's no holding them.



Badminton and Tennis Action

Both badminton and tennis are part of the big winter sports program in the Recreation Hall. Shown in action on the badminton court are Brian Elder, driller at T-3 shaft, and his wife Sharon.

Curling Had a Great Season

With a packed schedule of bonspiels and regular competition, Burntwood Curling Club is winding up a banner season under the presidency of Wint Newman. Membership was 270 men and 145 ladies. Guy Marsden's rink of Bill Hoe, Jack McGinnis and Wint Newman copped the grand aggregate, decided on total points over the season's play, and with the runner-up Tom Suchy and Glen Hogarth rinks now await a winner in the shift league to battle it out for the club championship and the J. R. Gordon trophy. The Marsden rink also won the zone championship in the British Consols playdowns. The ladies are just coming down to the wire in their title events. Picture shows some action in one of the season's popular mixed bonspiels.



Buccaneers Shift Hockey Champs

Refinery Buccaneers topped the standing in the hotly contested six-team Inco shift hockey league, and their man Jack Elcombe was the loop's leading scorer. They're in action here (white sweaters) against Refinery Maroons, with Henry Menard putting the heat on goalie Dave Leel; other players seen are Randy Gustafson, Dave McLean and Ken Currey of Maroons, and Doug Rondeau and Jack Elcombe of Buccaneers. Referee is Tom Farrell. Other teams in the league were Bombers, Hornets and Royals from the Smelter and Canadians from Refinery. The provincial championship triumph of Thompson Bantams, from the town's 350-strong Minor Hockey League, is reported elsewhere in this issue, and next month we'll have a story on the fine record of Thompson Hawks of the Pre-Cambrian League.

Readying for Carnival

With about 200 members, Thompson Figure Skating Club is a thriving organization now busily preparing for its big ice show at the Arena on April 11-12. The extravaganza is to be called Centennial 70 in tribute to Manitoba's 100th anniversary in Confederation. Picture shows the "German Beer Maids" training for their act under the club pro, Rochelle Gladu.



Will Enter Provincial Playdowns

With the enthusiastic promotion of "old-timers" like Mike Babulic, basketball is steadily gaining popularity in Thompson. A three-team league of Celtics, Pacers and Bandits has operated this winter, and an all-star lineup will enter the provincial senior men's playdowns at Brandon. Picture shows a game between Celtics (black jerseys) and Pacers, with G. Ferris arcing in a scoring shot. Others in the action are J. Buller, M. Nihill, D. Manthorn, J. Spack, and T. Kimmel.

Huge Installations Involved in New IPC Plant



An indication of the size and complexity of installations for the IPC (Inco pressure carbonyl) section of the new nickel refinery now under construction at Copper Cliff, to cost in excess of \$100 million, are these huge pressure storage tanks for process gas. Manufactured in Toronto, the 120-foot tanks each required three railway flat cars for shipment, and were delivered from the railway to the plant site on specialized lowboy equipment. Fifteen tanks of this size are involved in the installation.

Ivan Wheale

(Continued from Page 11)

seem to proclaim, need not be hidebound by the unkindness of realism. So he indulges occasionally in the odd bit of wayward whimsy without in any way sacrificing his credibility.

Warm Rather Than Sombre

His colors, while largely restricted to muted browns, greens and greys, become warm rather than sombre, especially against the bare white pigment of his skies.

Adapting a kind of watercolor technique to the medium of oils, he is able to zero in for meticulous detail of weathered textures, such as in the window looking out toward "The Red Roof". This startling clarity, somehow beyond the reach of photography, is found too in "The Latch", but here a subtle touch of philosophy catches the attention; that faithful old door fastener is still a sturdy and staunch safeguard, but the broken window leaves the shed wide open to the elements — and how many human lives are like that, apparently secure but actually sadly vulnerable.

In "The Letter" Wheale reaches a high point in his approach to realism. Under his superb skill the wood wears the soft patina of great age, the break in the plaster looks almost mellow in the reflected light, the contrast of diagonal lines with horizontals and verticals is sharply arresting, and the opened letter, tossed carelessly on the ledge, creates an aura of mystery.

Inspired by Van Gogh

Ivan Wheale came to Canada in 1957 at the age of 22 from Sunderland, England, where he had received some formal training in art. He was a hobby painter, content enough with doing pleasant pastoral scenes. He had been working in Sudbury for Carrington Lumber until the day in 1962 when he was inspired by a Van Gogh

exhibition in Toronto and resolved on the spot to become a full-time artist, come hell or high water.

He had been dabbling in abstract realism, with considerable success, but promptly turned under the Van Gogh influence to pure realism, and has matured so rapidly in this field that his work often suggests the genius of Canada's Alex Colville or the American master, Andrew Wyeth.

He was "discovered" by the prestigious Waddington Art Gallery in Montreal, and has given exhibitions there and at the Galerie Dresdnere in Toronto. His show this month at the Dresdnere he regards as his most important to date, with some 25 new paintings on display. He has sold extremely well, and galleries in the West are seeking to arrange exhibitions of his work. He has

won several prizes in Ontario art festivals; one of his award-winning paintings, of an old farm building near Whitefish, was purchased by Alan Jarvis, former director of the National Art Gallery at Ottawa, and now hangs in the Rothman collection.

Likes Northern Freedom

He remains in Sudbury because life in this part of the North invigorates him, the people have shown a genuine interest in his work, and he likes to be free from the pressure of the gallery market. He is doing what he wants to do and hugely enjoying it. He is married, with four children.

He operates The Art Gallery on Cedar Street, but does his painting in a bare old garret room nearby, beyond reach of people or telephone. It was there, by the way, that he did "The Letter".

Mine Drainage

(Continued from Page 7)

cement, mixes with other mine drainage water containing dissolved nickel, copper and iron, the lime precipitates these metals as finely divided salts.

The fine materials settle to the bottom of the sumps, and this pulp is directed to two vacuum belt filters which remove the settled materials in the form of a cake which is discharged into a vertical borehole leading to the crushed ore bin 45 feet below, and hoisted to surface along with regular mine ore.

The clarified water is pumped to surface where it is stored in a 125,000-gallon tank for re-use in the hydraulic sand fill operations or, after further settling in an overflow pond, is released to the natural waterways.



Don Munn, assistant general manager of the Manitoba division, makes the final cut-over to connect Thompson with the rest of North America in direct distance dialing telephone communication. Thompson is now the only community in northern Manitoba with DDD service. Behind Mr. Munn is Bill McGowan, supervisor of sales for the Manitoba Telephone System.

Thompson Bantams Win Manitoba Championship



Defeating Stonewall 10-6 in total goals of a two-game final series, Thompson A-Bs won the Manitoba provincial bantam hockey championship and the Harold Mummery trophy. A gala party was staged by the town.

Members of the club that brought

home the championship bacon are shown above: back row, "Red" Sangster (Thompson recreation director), Barry Levesque, Donald Fenske, Dave Buchholz, Lance Reinheimer, Rick Martin, Doug Hicks, Rick Harrison, Devon Daley, Gordon Price, Steven

Block, Wilf Cleveland (president, Thompson minor hockey), Earl Timmons, Chuck Naish, Peter McKenzie, Greg Neudorf, Mark Harrison (coach), Archie Layman (manager), Garry Cook, Roger Katchmar, Tim Duncan, Wayne McLellan.



THE BAND POSES FOR THE TRIANGLE CAMERA AT ITS SPRING CONCERT

Coniston Band Starts 35th Year Under Totino's Baton

With a splendid concert in St. Paul's School auditorium on March 15, the Coniston Band celebrated its 35th season under the baton of its popular and gifted director, Dan Totino.

A program of classical and semi-classical compositions, topped off with some modern rock-and-roll beat, showed the usual high standard of musicianship for which this popular organization has been known throughout the district over the years.

Many of the original members of the band, the majority of whom were taught to play their instruments by their youthful director, were in the appreciative audience at the concert, and two or three took part in the performance. They could well recall the evening in the summer of 1937 when their young band, still relatively unknown in the district, made a dashing debut in their new uniforms — red and blue capes with white trousers — at an Inco Amateur Nights program at Stanley Stadium, Copper Cliff.

Long Musical Contribution

Since then they have appeared in countless concerts, parades and celebrations in the area, giving generously of their time and talent to assist charitable causes, and generally supplying that inspiring boost to community pride that only the town band can.

In the beginning, of course, the

members all bought their own instruments and uniforms, adding to their equipment in later years as funds permitted. They enjoyed strong local support from the start, especially from the large music-loving percentage of Coniston citizens of Italian or French-Canadian birth or descent.

Coniston's continuing pride and support was demonstrated when one of the first projects approved for its official 1967 Centennial celebrations was the purchase of new instruments and uniforms for its band.

Director Totino's efforts and enthusiasm in maintaining the strength of his organization is shown in the large number of young musicians appearing in the ranks. Many of these juniors now play in the senior band of 28 members, while another 15 or so in the "incubation" stage form the junior band. All took part in the recent concert, to the great satisfaction of their parents, relatives and friends assembled.

Group Photograph at Concert

In the group photograph, shown above, are the combined senior and junior bands, left to right: front row: Nicole Labelle, Eddie Bon, Brent Zullani, Gerard Caverson, Cathy Baggio, Franca Squarzo, Brenda Modesto, David Soroko, Mark Bon, Kevin Keenan, Dennis Gervais, Richard Gervais; second row: Colleen Barnes, Karen

Conlon, Joan Duncan, Mary Cook, Barbara Armstrong, Francine Core, Ivy McNamara, Frank Williams, John Williams; third row: Laura Veno, Lillian Bezubek, Susan Modesto, Karen Muraska, Pauline Comacchio, Christopher Barnes, Wayne Cook, Richard Paluch, Enio Pidutti, Zygmund Paluch, Walter Soroko; back row: Franco Brunatto, Randy Lalonde, Bernard Oliver, Ann Marie Alberton, Gino Sartor, Redente Bulfon, Dan Totino, David Venturi, Johnny Pidutti, Jimmy Benedetti, Harold Smith.

The Band in 1944

Most of the Coniston band's "originals" are seen in the photograph published in the Triangle in August, 1944. Maestro Totino is seated front and centre. Behind him is Miss Adeline Briggno, and at his sides are two new pupils, J. Tessier and A. Blake. Others in the front row are P. Benedetti, R. Martin, J. Meslinaki, G. Tessier, W. Mattistuzzi, and M. Solaki. In the second row are U. Comacchio, N. Solaki, A. Gobbo, E. Toniolo, J. Comacchio, W. Shelegy, J. Cerantolo, P. Totino.

Quarter Century Club

Thursday, June 11, is the date for the annual dinner of the Sudbury district Inco Quarter Century Club in the Sudbury Arena. New members from both the 1969 and 1970 classes will be presented with their gold badges.

L. Poirier; third row, P. Pugliese, G. Modesto; back row, M. Dochuk, A. Modesto, D. Caverson, N. Battistuzzi, O. Sartor.



Maestro Totino leads his fine community band in a concert that drew a large and appreciative audience to signal its 35th season.

THIS WAS HOW CONISTON'S PRIDE LOOKED IN 1944.



One of the Coniston band's originals, and still an active member, bass player Gino Sartor is shown with one of its bright new generation of musicians, cornetist Dennis Gervais, going over a score with director Dan Totino.

Retired on Inco Pension

HENRY SCHNEIDER

A Levack maintenance department employee for all of his 22 Inco years, Henry Schneider has retired on service pension.



H. Schneider

Born in Pembroke, he came to the Company in 1947, and has been a plateworker for the last 10 years.

A marriage ceremony in 1929 united Henry and Ida Hazel, who through the years presented her husband with a family of five. Mrs. Schneider died in 1969. Daughter Esther is the wife of Levack dryman Don Briggs.

With 15 grandchildren divided between Sudbury and Minnesota, Henry plans to stay busy traveling and keeping tabs on his family.

SVANTE SALO

Svante Salo would have added 16 years to his Inco service had he stayed with the Company after his 1932 start at Copper Cliff. Instead, he left for Yellowknife and gold mining, but returned to Murray mine in 1948 where he



Mr. and Mrs. Salo

worked until his retirement on disability pension. He was a slusherman for the last 15 years.

A native of Copper Cliff, Svante grew up in Whitefish and married a Crean Hill girl, Keritu Waukonen, in 1941. They have a son and a daughter and two grandchildren.

Ice fishing and hunting and a summer camp on Paddy Lake will keep Svante as busy as he wants to be during his retirement years.

VICTOR MANGER

Born in Welland in 1916, Vic Manger moved with his family at the age of 10 to Port Colborne. At 15, he went to work in a lumber camp in Algonquin Park. He then



Mr. and Mrs. Manger

worked a short time at the government elevator in Port Colborne before joining the nickel refinery in 1936.

Four years later Vic left Inco for construction work and spent

a year and a half in the merchant marine before returning to the refinery in 1943. Ill health forced his recent retirement as a boxman in the electrolytic department.

Anne Mary Torok and Vic were married in Welland in 1944, and have two children and one grandson; their daughter Elaine is married to Ted Creighton, also of the nickel refinery.

Vic enjoys hunting, boating and fishing and will also help Mrs. Manger in operating their grocery store.

TONY DI PIETRO

A transportation department employee at Copper Cliff during his 23 years with Inco, Tony Di Pietro has retired on service pension.

A switchtender for the past six years, Tony came to Canada from



Mr. and Mrs. Di Pietro

Italy in 1927, and joined the Company in 1946. Nicoletta Muffo became his bride in 1951; they have one daughter.

A keen gardener and amateur wine-maker, Tony plans to devote his leisure time to growing flowers and vegetables and fermenting the grape.

MIKE BEHUN

A trip back to his old home town in Czechoslovakia and a move to southern Ontario feature in the plans of new service pensioner Mike Behun.

An Incoite since 1942, Mike worked at Creighton for all of his



Mr. and Mrs. Behun

28 Company years, and was a chute blaster since 1964.

Married to Mary Stolicna in 1925, Mike came to Canada in 1930. His wife joined him here in 1963. Their daughter and five grandchildren live in the old country.

JESSE MORRISON

At one time or another during his 41 years with the Copper Cliff converter department, Jesse Morrison has tackled and made a success of just about all the jobs that the operation can offer.

A shift boss since 1958, he has retired on early service pension.

Born and educated in Copper Cliff, Jesse started with Inco in 1928, was married to Mary Fleurie in 1932, and is the proud father

of a family of six. His Company connection will be maintained through his daughter Claire, who



Mr. and Mrs. Morrison

is the wife of Omer Bellmore, a transportation department locomotive engineer. Six grandchildren complete the family.

A very active curler, fisherman, hunter, golfer, and well-known to his friends as anything but a thumb-twiddler, Jesse suffered a very short period of retirement relaxation and is already back in harness as a full time construction foreman for a private firm.

PATRICK CLEMENTS

Plant personnel officer Patrick Clements, disability retiree, has ended a 40-year association with the nickel refinery at Port Colborne.



Pat Clements

Born in Coatbridge, Scotland, in 1909, Pat became employed at the nickel refinery in 1929. His parents and family followed him out to Canada the following year and his late father also became a nickel refinery man until his retirement.

Pat operated a double hoist crane used in charging the cupolas in No. 1 building. He sailed the Great Lakes during the depression layoff. Upon his return to Inco, he went into the electrolytic department where he became head boxman, and was promoted to foreman in 1963. In 1966 he was appointed plant personnel officer in the shearing-shipping areas.

During World War II, Pat served three years in the Royal Canadian Navy. He was sick bay attendant on the famed "Grey Ghost", Canada's first cruiser, HMCS Uganda.

He and the late Frank "Doc" Chalmers were instrumental in establishing the St. John Ambulance Brigade in Port Colborne, and he is a former superintendent of the local division.

Sports rank high on Pat's list of varied interests. A former soccer player, he has been trainer and first aid man for many local teams. He enjoys gardening, and is active in church and other organizations.

A bachelor, he heartily endorses retirement as a way of life.

GORDON HENRY

The will to win over physical handicap has been dramatically demonstrated by Gordon Henry, a newcomer to the ranks of Inco pensioners since his retirement on disability pension after more than 40 years with the Company.

Paralyzed from the waist down in 1962, due to a back ailment, Gordon gritted his teeth and deci-



Mr. and Mrs. Henry

ded that come what may he was going to walk again. He triumphed, and with the aid of his two trusty sticks is able to move around under his own power.

Gordon was born and grew up in Copper Cliff, joined Inco as an apprentice welder in 1928, spent the following years with the mechanical department at Copper Cliff and moved to the general office as building superintendent in 1957. He has worked in the time office at Clarabelle since 1964.

He and his wife, Lorna Blackwell when they were married in 1936, have a family of four boys, one of whom, John Jr., is a clerk with the insurance department at Copper Cliff.

PRIMO CAMILUCCI

"There have been some great changes in the smelter since I started in the old sinter plant back in 1925," observed Primo



F. Camilucci

Camilucci, "and great improvements in working conditions." He worked for the Company at Copper Cliff for more than 44 years.

A dryman at the No. 1 changehouse for the past 18 years, Primo—better known to his friends as "Minnie"—has retired on service pension. Born in Bridgeport, Connecticut, he came to Canada and Copper Cliff with his parents in 1917. A single man and a red-hot hockey television fan, he is planning to treat himself to some live action by attending NHL games.

"Minnie" is very proud of the fact that he and his two brothers, Johnny at the separation building and Romolo at the Copper Cliff mill, have a combined total of some 113 years of service with Inco.

GERALD JENKINS

With over 29 years' service Gerald Jenkins is retiring at age



Mr. and Mrs. Jenkins

65 as a stationary engineer from the power house at the Port Colborne refinery. Born in Napanee he moved to Port Colborne in 1923. Before starting with Inco in 1940 he worked for Robinson Cork Works, Ontario Hydro, and Valley Camp Coal.

Sports and athletics have always

been an important part of Gerald's life, and he played in local hockey, soccer and baseball leagues.

He coached the local girls softball team to the Ontario championship in 1935 and again in 1952. Now with pension status Gerald is certain that between maintaining his home and property on the lakeshore, and enthusiastically boosting the local ball and hockey teams, he won't have too much idle time.

Gerald and his wife, the former Bernette Smith, have two children and two grandchildren.

CLIFF WING

A well-known and popular figure at Copper Cliff, where he was employed as a plateworker for the 33 years that he worked



Mr. and Mrs. Wing

for Inco. Cliff Wing has retired on disability pension due to circulation problems.

Born in Edmonton, Cliff was three when his parents moved east to settle in Smiths Falls, and he was managing a butcher shop there when he was offered a job at Inco and a chance to play some fastball in the shift league.

Edith Mathison became Cliff's wife in a ceremony in Smiths Falls in 1937, and they have a family of three. Their two sons are employed at Copper Cliff's Stanley Stadium, Rollie as manager and Dennis as a stadium operator. Daughter Sondra is the wife of Levack Instrumentman Bill Hannan. Two grandchildren already grace the scene.

Determined to stay active, Cliff will continue to operate the refreshment booth at Stanley Stadium.

JACK CUTHBERT

John Douglas Cuthbert, amiable bricklayer foreman and one time hockey and softball player, better known as "Jack", has retired from the Port Colborne Nickel Refinery on service pension.

His family sailed to Canada from England in 1912 and settled



Mr. and Mrs. Cuthbert

in Port Colborne that same year. Jack's first association with the Inco refinery was in 1923 as a machinist apprentice. He returned to school later that year and then worked as a boilermaker helper the following year. He again left in 1925 to play hockey in Guelph, returning the third and final time on June 26, 1934, as a cooper. He became head cooper in 1941, and was promoted to bricklayer foreman in 1950.

Jack played center ice and starred in junior, intermediate and

senior hockey until 1935. Some of his former teammates included Dinty Moore, Walter Horne, Chick Hudson, Jerry Shannon, Bill Mountain and Vince Upper. He became a referee in 1940 and officiated for the OHA throughout the Niagara District two and three nights a week until 1952. "In those days," he recalled, "there was only one lineman, and you didn't stand there with your arms folded waiting for someone to break up fights, and there were a lot of fights." His other athletic pursuits included softball, baseball, tennis and bowling.

Jack married school teacher Ada Deline in Port Colborne in 1927. They have three children and 10 grandchildren.

Jack considers building houses his hobby. He has constructed four of his own to date and helped with several others. The Cuthberts enjoy long motor trips.

HUGH J. SULLIVAN

Now retired on disability pension following two heart attacks in quick succession, Hugh J. Sullivan is very proud of his Inco safety record. During his more than 27 Company years underground at



Mr. and Mrs. Sullivan

Garson, Stobie and Murray mines, he was never involved in a lost-time accident nor required a dressing. He has been a Stobie motorman since 1960.

A native of Antigonish, Nova Scotia, Hugh joined Inco in 1942, and was married to Marie McGonegal of Renfrew in 1947. They have a family of one son.

Under doctor's orders to take it easy, Hugh will be content to relax with a good book, or pursue his other favorite pastime—listening to music.

JOHN FEDIUK

Fresh out from Poland in 1929, John Fediuk helped to lay track on the new Hudson Bay railroad line between The Pas and Churchill in Northern Manitoba. Little did he think that he was building the track that would one day service Inco's Thompson development, — the same Company with which he would work for nearly 28 years at Copper Cliff.

A dryman at the No. 3 change-house for the last 10 years, John has retired on service pension.

Enjoying his newfound freedom to travel when and where he pleases, he will be visiting his family of five and one grandson, who have settled in Ottawa, The Lakehead, Kitchener and Sudbury.

JOE BIELICH

A copper refinery craneman during his 24 years with Inco, Joe Bielich has swapped his lofty perch for the comforts of an armchair and the freedom of a service pensioner.

Born in Yugoslavia, Joe made his move to Canada in 1928 joined Inco for the first time in 1930, left for Hamilton in 1945, and re-



Mr. and Mrs. Bielich

turned to the Inco fold the same year.

A marriage ceremony in 1952 united Joe and Mrs. Rosa Winzek. They have a family of two with seven grandchildren.

Reading, relaxing, and a summer cottage on Whitewater Lake are things Joe has in mind for what his many friends and associates hope will be a long and happy retirement.

WILFRED BELANGER

Being seasoned travellers with love of the outdoors, camping and fishing, Wilfred Belanger and his wife, Besse plan to get a lot of pleasure with their new camping



Mr. and Mrs. Belanger

trailer by following the sun from the north in the summer to the south in the winter.

Wilfred was born in Ottawa in 1910 and moved to Port Colborne in 1918. Prior to starting at the nickel refinery in 1935 he spent several years in mining and lumber camps in northern Quebec. Most of Wilfred's Inco service was in the mechanical department where he retired on a disability pension from the carpenter gang.

MATTI SAASKI

A Copper Cliff painter for all of his 30 Inco years, Matti Saaski has downed his busy brush and retired on service pension.

Following the completion of a four-year painter and paperhanger apprenticeship, Matti left his na-



Mr. and Mrs. Saaski

tive Finland for Canada in 1926, plied his trade in the Ottawa area, and came to the Company in 1942.

Matti and Siiri Lehtonen exchanged marriage vows in 1932, are the proud parents of seven, and have a matching number of grandchildren.

A one-time painting contractor, Matti is considering hanging out his shingle again. "Nothing too big," he confided, "just enough to keep me out of mischief."

GEORGE KAMPMAN

Admitting that his legs are a little tired, but that otherwise he is "fit enough for the paratroopers," Murray surface foreman George Kampman has ended a 34-year mining career with Inco, and has retired on early service pension.

Born in Kitchener, George started with the Company at Creighton in 1935, moved over to Frood in 1936, was promoted to shift boss there in 1946, was transferred to Stobie in 1959, and has been at Murray since 1960.

He and his bride of 1936, Olive Dunn, have a family of two. Son Don is a shift boss at Murray, and daughter Carolyn is the wife of Copper Cliff North mine driller Jerome Whalen.

ALEX LEFEBVRE

"A very challenging occupation," is the way service pensioner Alex Lefebvre described the highly responsible job of mine holstman, the position he held from beginning to end of his 34-year career with Inco, which started at Frood. Alex was born and grew up in Biscotasing, and worked as a rail-



Mr. and Mrs. Lefebvre

road foreman before joining the Company in 1936.

His marriage to Jane Belanger took place in Biscotasing in 1936, and one of their family of four, son Paul, is a stope leader at Levack.

Described by his wife as "a regular Mr. Fix-it," Alex is also an ardent fisherman who enjoys making his own rods and tying artificial flies.

"As long as there are trout in the creeks around here," said Alex, referring to Levack, the town in which he will continue to live during retirement, "I'll have no trouble filling in my time."

GINO FALCIONI

Quiet, efficient, and rarely seen without a friendly smile, Gino Falcioni is well known to the countless patients who have been cared for at Copper Cliff Hospital.



Mr. and Mrs. Falcioni

An orderly there for 23 of his 26 Inco years, Gino has retired on disability pension due to a heart condition.

A native of Pano, Italy, Gino came to Canada with his parents in 1925, grew up in Copper Cliff

(Continued on Page 18)

Retired on Inco Pension

(Continued from Page 17)

and started with the Company at the smelter in 1944. He transferred to the hospital staff in 1947.

A Copper Cliff girl, Elsa Perlini, became his wife in 1935, and they have a family of two sons and a daughter.

With strict doctor's orders to take it easy, Olso will have to forego his favorite activity of gardening, and plans to recoup his energies during long periods of relaxation at his summer camp at McFarlane Lake.

STAN LAUDINSKAS

A car repairman at Copper Cliff during the last four of his 21 Inco years, Stan Laudinskas is enjoying the freedom of an early service pension.



S. Laudinskas

A Lithuanian by birth, Stan was living in Germany prior to his move to Canada and Inco in 1948. A mason for 17 years, he transferred to the car shop in 1965. Married in the old country, Stan is the proud father of three daughters, has 12 grandchildren, and recently qualified as a great-grandfather. Content to relax with good books during the winter months, Stan is looking forward to a summer visit with his daughter and her husband, who own a farm near London. "I'll be out in the sunshine trying my hand at picking tobacco," he said. "Should be quite a change".

FRANK HOLZSCHUSTER

After 25 years with the Company, Frank Holzschuster has retired on disability pension. Born in Austria, he came to Canada in 1926 and joined Inco at Frood Mine in 1944. Working at No. 3



Mr. and Mrs. Holzschuster

shaft, Frank saw service as a mucker and a switchman; then in 1950 he moved to the yard office where he worked until his retirement, charging out the timber used underground.

He was married in 1933 to Martha Vyyrylainen. Frank's winter interest in NHL hockey is matched in summer by working around the summer cottage he built in 1951 at Fairbank Lake, or in the flower and vegetable garden at his Sudbury home. A bird lover, Frank daily feeds the grosbeaks, starlings and grackles that abound in the winter months near his home.

MILLS AUSTIN

Forty-one years to the day since he joined International Nickel at Port Colborne on April 8, 1929, Mills Austin retired on early ser-



Mills Austin

vice pension from his position as assistant to the comptroller at the Toronto office.

He was transferred to Toronto in 1959 to assist in setting up the accounting services at the new Thompson, Manitoba, plant, and since that time has been largely engaged in special liaison assignments between the accounting department and the executive offices of the Company.

He got his initiation at Port Colborne on No. 1 sinter machine, then became a plant clerk, understudying Webb Dearing. He was transferred to the copper refinery at Copper Cliff in 1930 as metal accountant, moved over to mining and smelting division accounting in 1935, and went back to Port Colborne in 1948 as assistant works auditor. He returned to Copper Cliff in 1953 as works auditor, the position now designated as division comptroller.

He was born in the farming village of Galetta, in the Ottawa Valley. By a very long stretch of the imagination his successful association with the mining industry might be traced back to a summer he spent in his youth as camp cook at a lead mine.

The warm esteem in which he is held by his colleagues throughout the Company was expressed at dinners and presentations in his honor at Toronto and New York.

His marriage to Lucy Vankoughnet took place in 1932. He has one daughter. He will continue to reside in Toronto.

A. G. McLEAN

Gord McLean has gone back to his old home town of Meaford, Ontario, to enjoy retirement after 33 years with Inco at Copper Cliff.

The assumption among his close friends is that he will hang out his shingle as a cribbage master, and with such potent peggers as Metcalfe, Luck, Fraser and Zur-



Mr. and Mrs. McLean

brigg numbered among his graduates over the years, he could have no more impressive credentials.

Prior to joining the Company in March, 1937, Gord was employed with the Bank of Montreal for nine years. He started with Inco originally on the security force, then transferred to the accounting department.

He served four years with the RCAF overseas and shortly after his return was transferred in 1947 to the personnel department, with which he has remained as the popular personnel officer at the Copper Cliff plant.

He has served as secretary of the Copper Cliff Athletic Association for 21 years and was an active member of the Copper Cliff Curling Club for 30 years until slowed down with a heart condition from which he is making an excellent recovery.

His marriage to Kathleen La-Rochelle took place at Sudbury in 1936.

JOSEPH LOVSIN

Upkeep of the house he built in Dowling, along with occasional fishing and hunting trips, keep Joe Lovsin fully occupied on early service pension.

Born in Austria, Joe came to Canada in 1928, and after working initially in western Canada as a



Mr. and Mrs. Lovsin

railroader and farmer, he came to Inco in 1929 at Creighton Mine. He was mucker, pipe fitter and drill fitter before becoming a drill fitter foreman in 1951, the job he held until termination of his service.

Married in 1931, Joe and his wife, the former Helen Kicinka, have one son and two grandchildren. Joe delights in recalling the many challenges he met on special assignments underground; he looks forward to keeping in touch with his former working mates in his retirement years.

ED BERUBE

Rapidly getting used to the life of a gentleman farmer is the happy role of Ed Berube following



Mr. and Mrs. Berube

his retirement from Inco on disability pension after 30 Company years at Frood.

Ed was three when his family left Ste-Cecile, Quebec, for a 120-acre farm at Hanmer, and he joined Inco in 1939. He has worked as a tool fitter for the last 12 years.

His 1935 marriage to Nora Minor took place in Mattawa, and the couple have been blessed with a family of five. Three of their four sons are Inco employees: Fern is a drill boss at Stobie, Rollie is a chute blaster, also at Stobie, and Alan works in the reverber building at Copper Cliff.

Established on the family farm for the last 20 years, Ed proposes to till only enough land to support a kitchen garden, and is considering turning the rest of the acreage over to livestock.

HARRY TARKIN

With hobbies that include golf, oil painting, and both playing and making violins, service pensioner Harry Tarkin is all set for a busy retirement.

Born in the Ukraine, he moved

with his family to Canada and Winnipeg when he was six. He joined Inco at Frood in 1937, and worked underground there for all



Mr. and Mrs. Tarkin

33 of his Company years. He has been a level boss since 1963.

He and his bride of 1926, Olga Dugloski, brought up a family of two. Mrs. Tarkin died in 1963.

Harry's second marriage to Mrs. Lena Kaviuk took place in 1965, and added two girls to the family. Daughter Olga is the wife of Clarabelle transitman Don McGinn. Four grandsons are already on the scene.

BERT PHARAND

Blessed with excellent health, and with almost 41 Inco years behind him, Bert Pharand has decided to reap the rewards of retirement and has gone on special early service pension.

A Frood miner since he left his father's Blezard Valley farm in



Mr. and Mrs. Pharand

1928, Bert has worked as a powderman for the past 11 years.

Lena Paquette and Bert were married in Sudbury in 1936, and have seen their family of four grow up and enter the world.

A firm believer in the theory that hard work and good health go hand-in-hand, Bert the hobby-carpenter is planning to build a comfortable recreation room and den in the basement of his home on Melvin Avenue, and when he needs a rest he and his wife will visit their three grandchildren in Ottawa, and the fourth close to home in Sudbury.

JOE DUBIE

With a grand total of 41 years to his credit, Joe Dubie has retired on service pension and ended a partnership with the Company that started in 1929.

A Frood miner from first to last, Joe was a pillar leader for most of his time, and has been operating the 2800 level tippie for the last four years.

Born in Greenfield, Ontario, he moved to Coniston in 1925, and married Rose Blake of Victoria Mine in 1930. They have one son and three grandchildren.

Joe and his wife will continue to reside in Sudbury, plan to spend most of their summers at their camp on the French River, and are currently looking forward to a holiday in Spain.



Joe Dubie



1—Just a little shy, and maybe a trifle wobbly on those blades, Ann-Marie Bertrand was one of the cute Morning Glories. 2—The bewhiskered Hol-

lowe'en Cats look as if it was their right to yawl; their coach was Mrs. Fay Poff. 3—The crowd-pleasing Robbie Burns Highland Lasses.

Another Brilliant Carnival Success for Skating Club

More than 250 young members of Copper Cliff Skating Club staged a Holidays on Ice Show at Stanley Stadium that drew almost continuous applause from a packed house. The big annual event of the club's year brought out Santa and his Elves, Valentine Sweethearts, St. Patrick's Colleens, Maypole Girls, Canada's Birthday Girls, Hallowe'en Cats, Christmas Belles, and many associated groups in a profusion of color and movement that was a delight to watch. Senior members, like the Carscallen sisters, Debra Vagnini and Shelley Jack, gave dazzling figure-skating exhibitions.

Roger Uemae, former member of the club who shared top honors in the 1970 Canadian novice pairs championship at Edmonton in January, and placed third in the junior men's class, was the guest star. Mickey Hansen led a group in an impressive novel display of power skating.

A mountain of credit is due Arnold Hansen, chairman of the carnival, and his host of committee workers, amateur coaches, who managed the groups of skaters, loving mothers who made the beautiful costumes, and the talented professionals, Joyce Salo MacKenzie, Sue Metcalfe and Alan McPherson.



Some of the tireless committee workers, amateur coaches, guest stars and club professionals who scored another brilliant carnival success for the Copper Cliff Skating Club appear in this picture: left to right, Roger Uemae, Mickey Hansen, Mrs. Aini Rautianinen, club president Jim Metcalfe, Mrs. Elvi Phillips, Mrs. Bette Byers, Alan McPherson, Sue Metcalfe.



On the left are The Maypole Dancers in their smart and colorful costumes, with their coaches, Mrs. Margaret Hawley and Mrs. Barbara Bell. On the



right, all heart for sure, are the Valentine Sweethearts and their smiling coaches, Mrs. Rita Ceccarelli and Mrs. Jan Brown.

Champions Decided in Athletic Associations' Shift Hockey Loops After Big Season



Copper Cliff Ralph Condotta's Town team beat Converter Hornets two games straight for the Parklane trophy, presented by Ray Smythe to captain Michael Grace. Town's Dennis Wing was league high scorer in the league with 27 goals for the season.

On the left are the champs: front, Lucio Aloisi, Mike McGuire, Pat Grace, Paul Sanchioni and Paul Aloisi; standing, Brian Fletcher, Bob Gervis, Michael Grace (captain), Darryl Mathe, Dennis Wing, Willy Santi and Bob Polano, sidelined with a wrist injury; absent, Ralph Condotta (coach). On the right



are the Hornets: front, Richard Gouvreau, Denis Levert, Gus Touchette, Dale Brown (captain), Tom Malone; standing, Greg MacDonald (manager), Ray Levert, John Paquette, Fern Boudreau, Mike Laroque, Yvan Denis, Dave True, Ron Marois, Ron Kunto (coach).

Five other teams enjoyed the successful league, convened again this year by efficient Gerry Renaud: Copper Cliff Warehouse with Jim Blanchard as captain, captain Frank O'Grady's Concentrators' coach Joe Glibe's Creighton Miners, captain Dave Parker's Mill Orphans, and Ken Sellen's Iron Ore Braves.



Levack Dowling Flyers skated off with all the silverware in this hot loop, winning both the Labatt and Molson trophies for league and playoffs. Captain Lawrence Thibodeau won the Molson top-scorer award, and Bill Zawaluk the Schenley best-goalie award. The champs are shown above: front, Con White, Ray Simard, Bill Zawaluk, Dennis Voutier, Mitch Pairier, Bob Christie; standing, Bruce Christie (coach), Keith Winn, Larry Wilson, Lawrence Thibodeau (captain), Al Barry, Gary Sweeney.

Shown below are the championship runners-up, the Levack Athletic Association team: front, Brian Horner, Eddie Thompson, Bill Regotta, Andy Courtemanche, Ronald Ray; standing, Doug Hutchison, Gilles Tremblay, Robert Rivet, Maurice Ayotte, Leonard Blaseg (playing coach).

The two other teams in the league were Pat Tremblay's Wildcats, and the Sandfill team with Jim Connors at the helm.



Coniston Strom's team edged out Creswell's for the honors in the new shift hockey league in a best-of-three playoff. Pictured above are the Stroms: front, Dan Paquette, Jed Woolcombe, Francois Paquette, Bob Brunette (captain), Rod Billard; centre, Jim Seawright (coach), Raimo Tyrvaenen, Pat Kavanagh, John Villeneuve, Guenther Schmidt (league high scorer), Royal Pelletier (assistant coach); back, Keith Holden, Fred Milne, Dan Nurse, Al Trotter, Dennis Holland.

Pictured below are the Creswells: front, Ted Clarke, Marvin Buckle, Rene Charette, Mike Cross, Jacques Pellerin; standing, Gary Caverson (assistant coach), Rheal Bomhower, Matty Bobbitt, Maurice Raymond, Bob Collin, John Weesk, Dan Nixon (captain), Ron Winn (coach). Rivard's shift was the third team in the loop. Jack Corrigan was the hard-working organizer. Next season, with Coniston's new indoor rink completed, he expects to have at least five shift teams to schedule.

