Mrs. Wilson's Centennial Quilt

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

Having time on his hands is nothing new to successor Tony Smythe, who for the past 25 years has had the job of keeping Inco's Sudbury area clocks on time and in top condition. He worked for Inco for nearly 37 years, always cheerful and ready to be of help.

Born Tony Ellis in Columbus, Ontario, in 1902, he lost his parents when he was five, and spent the next seven years in a Toronto orphanage. Adopted by the Smythes in 1914, Tony remained in Toronto, and in 1917 set to work with the Great Northwestern Telegraph Company to operate an addressograph machine. The Smythes were a musical family, and Tony became a whiz on the saxophone. During the following years he travelled both Canada and the States working as a mechanic by day and in a dance band by night.

He returned to Toronto, to the Addressograph Company as a repairman in 1930, met and married Edna Buisson of Waters Township in the same year, liked the look of the Sudbury area, and joined the company at the Copper Cliff smelter reverberatory building.

"Those were the first honest days of toil in my life," confessed Tony. "In four weeks I lost 34 pounds of flesh."

It was in 1939 that he was moved to the general office as a machine doctor. Having shown his special aptitude, he was sent to the I.B.M. Company in Toronto in 1942, on a three-week electric time clock repair course and returned to look after the company's 80 odd punch clocks and timepieces.

"In the early days it used to take me two and a half days to tear down, clean, oil and reassemble a time clock," said Tony. "I've done so many that now I can do the same job in about five hours."

Tony and Mrs. Smythe have brought up a family of two. Raymond is a tailings dam man at Inco's Sudbury area. Two years at Coniston were followed by idle depression time in Toronto, but he returned to the smelter as a taper in 1933. He has worked on the scrap gang since 1953.

With many of his longtime friends now living in Toronto, Tony plans to settle there and enjoy the big city life for a change.

Lawrence Peaire

Popular Lawrence Peaire, who went on service retirement in April, was born in Hamilton in 1902, and was engaged in farming prior to joining the nickel refinery in Port Colborne in 1941. His entire time at Inco was worked in the yard and shipping areas, his last job being truck driver.

Lawrence married Kathryn Clark in 1926. Their three sons are Edward, in Burlington, Robert, in Grimsby, and James, in Centralia. They have four granddaughters and two grandsons.

Inco's chairman will now occupy Lawrence's time entirely. His 100-acre farm near Wellandport has been in the family on the Clark side for generations and has been designated a Century farm, a distinction awarded farming properties that have been in the same family for more than 100 years.

Presented with a purse of money by the yard welfare group, Lawrence was thanked by superintendent Charles Bridges on behalf of the Company for the "exceptionally good and dependable service" he rendered over the years.

High Honor for Inco's Chairman

Henry S. Wingate, chairman and chief officer, The International Nickel Company of Canada Limited, has been selected to receive the Palladium Medal of the American Section, Societe de Chimie Industrielle, Inc. The announcement of the award for 1967 was made by Dr. W. George Parks, chairman of the department of chemistry, University of Rhode Island, who is past president of the section and head of its awards committee.

The Palladium Medal is awarded to "an individual who has distinguished himself through outstanding contribution to the chemical industry of such a character and scope as to enhance the international aims and objectives of the Societe de Chimie Industrielle."

The first presentation of the medal was made in 1941 to Ernest John Solvay, chairman, Solvay & Cie of Belgium. Succeeding winners were Charles Allen Thomas, chairman, Monsanto Chemical Company; Paul Toinet, president and director general, des Soudières Reunies de la Manuf. Varangeline, and Monroe J. Rathbone, chairman and chief executive officer, Standard Oil Company of New Jersey.

The Palladium Medal will be awarded to Mr. Wingate at a dinner held at the Hotel Thursday, September 21, 1967 in The Grand Ballroom of the Americana Hotel in New York. Dr. Parks will preside at the occasion, which will be attended by leaders in science, industry and government.

Inco Association Since 1930

Mr. Wingate's association with International Nickel began in 1930 while he was on the staff of its general counsel, the firm of Sullivan and Cromwell. In 1938, he joined The International Nickel Company of Canada, Limited, as assistant secretary and assistant to the president of its U.S. subsidiary, The International Nickel Company, Inc. Mr. Wingate was elected president of the parent company and the U.S. subsidiary in April, 1954, and chairman of the board and chief officer of both companies in April, 1960.

A graduate of Carleton College and the University of Michigan Law School, Mr. Wingate holds honorary degrees from the University of Manitoba, Winnipeg; the University of Michigan, Ann Arbor; and Marshall University, Huntington, West Virginia.
There's never a dull moment in the McLay home at Copper Cliff with this lively brood about: Brenda, 4, Bob, 22, Denis, 16, Mervin, 12, and Rickey, 9, but Ian and Velma McLay wouldn't have it any other way. Ian is an oxygen plant operator, has been with the Inco mechanical department for 27 years.

Joke and Carmel Dillabough hail from the Ottawa Valley, he from Douglas and she from Renfrew. Jake, a stope leader at Garson, started at Copper Cliff smelter in 1947, moved to Garson one year later. When he's not taxiing the two boys, Peter, 15, and Billy, 13, to baseball games four nights a week, Jake is happy pursuing his gardening hobby at his home on Lansdale Avenue in Sudbury. Their holidays this year were spent camping in the Ottawa Valley, with a side trip to Expo.}

This happy group is the family of Stobie construction leader Tony Wilk and his wife Hannelore. Tony left his native Poland for Canada in 1946, joined Inco at Frood in 1950. A pen-pal relationship of two and a half years ended when Hannelore came from Germany to marry Tony in 1955. Their children are Raymond, 6, Norbert, 11, Frank, 9, and 10-month old Wendy-Lee.

Kearney, on the western edge of Algonquin provincial park in Ontario, was the birthplace of both parents in this pleasant family group. A shift boss at Creighton 8 shaft, Mervin Hurd joined the Company at Levack in 1957, later worked at Frood. Shown with him and his wife Betty are Shaun, 10, Roxanne, 8, and Carrie, 6. The family took an early summer vacation to the West coast this year.

Enjoying the shade in their pleasant garden in Port Colborne is the family of Charles and Matilda Toth. A Mond reducer operator at the Nickel Refinery, Charles joined the Company in 1951, shortly after leaving his home town of Kisvarda in eastern Hungary. Matilda left Hungary in 1952, met Charles at night school English lessons, and the couple were married in 1953. Their three good-looking boys are Jimmy, 8, Tommy, 3, and Charles jr., 13.

Representing Lawson Quarry in this month's family album are Grant Moody, his wife Joan, and their two live-wire youngsters Bradley, 2, and Kim, 5. Both Manitoulin Islanders, Grant was born at Big Lake and Joan at Manitowaning. A mechanical department crusherman, Grant joined Inco in 1952, and has also worked at Copper Cliff, Creighton and Levack. They live in Willisville.

Robin Swain of the personnel department transferred to Thompson from Copper Cliff in 1962. His wife Bonnie is manager of the Thompson radio and television station. Son Brian works in the mechanical maintenance department, and daughter Dorothy is Mrs. George Jonescue of Sault Ste. Marie, Ontario.
Half-Century Mark Reached By Copper Cliff Highlanders

When Copper Cliff Highlanders moved with smart military precision through the annual inspection program at their Fairbank Lake campsite on August 30, they marked the 50th year of service to the community by their famed cadet corps.

For all their youth, the Highlanders have always shown that dash of professional spirt and polish that has repeatedly won them Canada-wide recognition down through the years.

On countless parades and ceremonial occasions in the Sudbury district they have added color and class with their proud bearing and the pulse-stirring music of their pipe band.

That was the story once again when they came swinging past the reviewing stand where Lt.-Col. S. G. Mullins, CD, honorary lieutenant-colonel of the 2nd Br. Sudbury, Irish Regiment of Canada, took the salute. As president of Laurentian University as well as a top officer of the Sudbury garrison, Col. Mullins could doubly appreciate the importance to the community of the high training standards so obvious in this remarkable unit with its half century of treasured traditions.

He told them he was proud to be their inspecting officer, in the same spirit as dozens of distinguished military men before him, Lord Bessborough said of the unit in 1933: "This is the finest corps I have ever inspected."

Despite coldly inclement weather an audience of 300 was on hand to applaud the Highlanders as they were reviewed by Col. Mullins, who was escorted by Capt. G. H. Hervey, CD, commanding officer, Lt. J. Laderoute, the deeply dedicated director of the pipe band, Capt. J. Collison, the crisp young cadet commanding officer, and the two smart platoon commanders, C/Lt. D. McLellan and C/Lt. R. Condie.

Following the official inspection, parties from the corps gave a number of demonstrations that were thoroughly enjoyed by the crowd, particularly the rifle calisthenics display.

The district cadet officer, Capt. W. Carlton, extended his congratulations on the unit's performance.

It was in 1917 that some 20 boys were organized into a cadet corps at Copper Cliff by the late Major R. C. Barnes, with the warm encouragement of president A. D. Miles of the Canadian Copper Company, Inco's predecessor.

Colors Presented by Inco

Starting out with khaki uniforms, the corps was later gazetted to wear the Douglas tartan, with the blessing of the Duke of Hamilton. An outstanding event took place at the annual inspection in 1937 when the Highlanders received their colors, the presentations being made on behalf of Interna-
A Tradition of Perfection

Major Barnes was a perfectionist, and the standards of respect, efficiency, and deportment were established in the Copper Cliff Highlanders have been faithfully followed ever since their organization. When he retired in 1949, he was succeeded as commanding officer by Major R. J. Swain, who broadened the scope of training while maintaining the corps' reputation as one of Canada's best. This splendid tradition is now being carried on by Capt. G. H. Hervey, who took over command in 1962 when Major Swain moved to Thompson.

Strength of the corps is 125 boys, all from the Sudbury district.

The Highlanders' pipe band has always held special esteem in the Sudbury area. That this regard is fully merited was illustrated by its official appointment to serve at the month-long national cadet camp at Banff in the summer of 1944. Lt.-Col. S. E. Hunter, commanding officer of the camp, stated, "Their performance, discipline and turnout on every occasion has been of the highest order. We are proud of them as young cadets and musicians. They have a right to be proud of the standard they have strived for and achieved."

Hundreds of boys have passed through the Copper Cliff Highlanders in the corps' 50 years. Some have gone on to outstanding careers on active service with the Canadian forces, many are in the armed services militia, and others have entered industry and commerce. Wherever they may be, it's a certainty that they look back on that boyhood association with pleasure and gratitude.

With reasonable care the human body will last a lifetime.

Arnold Glasgow

Stepped Into Retirement
"A Little Too Heavily"

"I guess I stepped into retirement just a little too heavily," said recent Stobie service pensioner John Soganich with a wry grin. "After 36 years with the Company without an accident, I go and break a heel bone on my own time!"

John planned to divide his well-earned leisure between his two hobbies, gardening and the stock market, but until his heel heals he is devoting all his time to the bulls and the bears.

A native of Davida, in Slovakia, John was born in 1892. He headed for Canada in 1928, and joined Inco at Frood the following year. He worked there as a drift driller, and for the past 18 years has been a supervisory driller at Inco's Timmins operations.

John married Zuzan Nvabala a year or so before leaving the old country, and they have a family of three: John Jr., and Mary live in Toronto, Milan is a Sudbury high school teacher. Their one and only grandchild is in Sudbury, and is the centre of attraction in their daily routine.
APPOINTMENTS

H. F. Zurbriggen, vice-president and chief geologist, Toronto, announced the following appointments, effective September 1:

G. W. Thrall, assistant chief geologist of The International Nickel Company of Canada, Limited, with headquarters in Toronto;

C. O. Pritchard, assistant chief geologist;

C. O. Pritchard, assistant chief geologist;

B. E. Souch, chief geologist;

G. H. Merriam, mines geologist;

G. H. Merriam, mines geologist;

B. E. Souch, chief geologist;

J. S. Dowsett, chief geophysicist.

J. B. McConnell, manager of reduction plants, announced the following appointments, effective August 1:

K. R. Johnston, superintendent, transportation department;

W. McNeice, assistant superintendent, transportation department.

G. W. THRALL
Glen Thrall, who was born at Houghton, Saskatchewan, moved at an early age with his family to Kamsack, where he received his public and high school education.

He graduated in geology from the University of Saskatchewan in 1933, and received his master's degree from the University of Toronto in 1941. He then joined International Nickel at Copper Cliff as a geologist, becoming mine geologist in 1950.

Transferring to geological exploration in 1953, he spent the next four years of field work in Canada and abroad.

In 1957 he went to Moose Lake, in charge of the Company's Manitoba exploration activity, and in 1960 was appointed chief geologist of the Manitoba division at Thompson.

In 1962 he was appointed chief geologist of the Ontario division, with offices at Copper Cliff. He was married in 1944 to Coreen Fischer of North Bay, and has two children.

G. L. COLGROVE
Gordon Colgrove was born of Canadian parents at Monson, Massachusetts, and moved to the London, Ontario, area at the age of three.

Graduating in 1938 in honors geology from the University of Western Ontario, he then went on to Queen's University where he received his master's degree in geology in 1940, after which, in 1942, he was awarded his doctorate at the University of Wisconsin.

During his university vacations he was employed by the Ontario department of mines.

He became a member of the geological department staff of International Nickel at Copper Cliff in 1942, and has been largely engaged in technical aspects of the Company's Canadian exploration activities.

His marriage to Doris Tremer of London took place in 1941. He has one son and one daughter.

B. E. SOUCH
Born in Medicine Hat, Alberta, Bert Souch enrolled at the University of Alberta where he received his bachelor's degree in engineering in 1931 and his master's degree in geology in 1933.

Following some exploration experience in the North he joined International Nickel at Froom mine, worked underground for a short time, then entered the mine's geological department where he became senior geologist in 1943.

Moving to Copper Cliff in 1945 he became assistant mines geologist in 1947 and mines geologist in 1956.

He was appointed assistant chief geologist of the Ontario division in 1962.

Herb Stewart was born of Canadian parents in 1914, attended Queen's University, from which he graduated in 1947 with the degree of bachelor of science in geology and mineralogy.

Coming to the Inco geological department in 1947, he was located at the Froom, Creighton, and Crooked Hills mines, then in 1954 was transferred to the geological exploration and spent considerable time at Copper Cliff.

He was appointed area geologist at Copper Cliff in 1957.

His appointment as assistant to the chief geologist was announced in October, 1962.

His marriage to Mary Black took place at Utica, New York, in 1947. He has five sons.

H. F. STEWART
Although born in Edmonton, Herb Stewart moved at an early age to Winnipeg and received all his education there, graduating in 1936 from the University of Manitoba as a bachelor of science, following which he did post graduate work in geology and chemistry.

Following service with the RCAF he came to International Nickel in November 1945, worked six months underground with the geological staff at Creighton, the remaining 14 years was engaged in geophysical exploration, much of it in Manitoba.

In 1957 he was appointed assistant to the chief geophysicist, Copper Cliff, and in October, 1962, became assistant to the chief geologist.

He was married at Weymouth, England, in 1945, to Jean Hibberd, and has two sons and one daughter.

G. H. MERRIAM
Tara, Ontario, was the birthplace of Gordon Merriam, who graduated from the University of Toronto in 1944 in honors geology.

Immediately following graduation he became a member of International Nickel's geological department, and was first posted to Froom mine.

After periods at Garson and Stobie mines he became mine geologist at Murray in 1953.

Gordon Merriam was transferred to the Copper Cliff offices in 1956 and subsequently appointed assistant mines geologist.

Irene Moroney of Sudbury became his wife in 1947. He has two daughters.

J. S. DOWSETT
Graduate of the University of Toronto in 1949, with a bachelor of science degree in engineering physics, John Dowsett then spent three years on base metal exploration with a United States company.

Joining International Nickel at Copper Cliff in 1952 as a geophysicist, he has been engaged in the Company's exploration activities in South Africa, Australia, and various parts of Canada.

He was born in Toronto. His marriage to Maxie Stewart took place in 1952. He has two daughters and one son.

K. R. JOHNSTON
Ken Johnston had a considerable career in railroading before joining International Nickel's transportation department at Copper Cliff in 1955.

After completing his high school education in Toronto in 1941 he started as a call boy with the CNR in Lindsay, Ontario, his home town. Three years later he became a clerk in the vice-president's office, CPR, Toronto, and there gained broad administrative experience.

He was appointed assistant superintendent of transportation for Inco in 1961.

Cora Hawks of Orillia became his wife in 1949. He has two sons and one daughter.

W. MCNEICE
Son of Wesley McNeice, retired smelter general foreman, Wes McNeice was born in Belfast, Ireland, and came to Canada in 1929 with his family. He started his career with Inco in 1939 as a messenger in the general office at Copper Cliff.

He was transferred to the mechanical department in 1946, then to the personnel department in 1956, and finally to the transportation department in 1961 as assistant to the superintendent.

He served in the Royal Canadian Navy from 1941 to 1949.

His wife is the former Irene McDonald of Sudbury, whom he married in 1944. He has two sons and one daughter.

MONTANA DIVISION
J. McCready, general manager, announced the following appointments effective August 1:

A. Sirkka, mine superintendent, Birchtree;

H. S. Banasuk, assistant mine superintendent, Thompson;

W. K. Newman, superintendent of personnel; and also these appointments effective August 15:

T. E. Fregren, superintendent, nickel refinery;

W. R. Cook, assistant superintendent, nickel refinery.

R. L. Hawkins, chief engineer, announced the following appointments effective August 1:

M. King, mine engineer, Thompson;

H. G. Hess, mine engineer, Birchtree.

A. J. SIRKKA
His father an Inco employee pensioned in 1947 after 26 years of service. Arvo Sirkka was born in Copper Cliff and attended Sudbury Mining & Technical School before entering Queen's University.
Kingston. He graduated in 1944 with a B.Sc. degree in mining engineering.

Following military service as a lieutenant in the Royal Canadian Engineers, he joined International Nickel in 1953 with a B.Sc. degree in mining engineering.

Upon graduation he joined Consolidated Mining and Smelting Co. Ltd., at Trail, B.C. There he gained experience at Frood-Stobie, Creighton and Levack mines.

From 1941 to 1945 he served with the Canadian Army and was discharged with the rank of lieutenant. After gaining mining experience in the Kirkland Lake and Larder Lake areas he entered Queen's University, graduating in 1951 in mining engineering.

Coming to International Nickel, he was employed at Frood-Stobie, Creighton and Levack mines. He was transferred to the Manitoba division in 1961 as underground superintendent at Thompson mine.

Married in 1942 to Nina Johnson of Sudbury, he has one daughter and one son.

H. S. BANASUK

Shortdale, Manitoba, was the birthplace of Harry S. Banasuk, but his family moved to Northern Ontario and he received his public and high school education in Chelmsford, Ontario, but grew up in Windsor. Enrollment at Queen's University in 1936.

In 1939, he was appointed superintendent of safety in January, 1946.

His marriage to Elizabeth Morison of Kenora took place in 1952. He has three children.

T. E. FREGREN

Born in Mercola, Alberta, Trevor Fregren graduated from the University of Alberta in 1953 with a B.Sc. degree in mining engineering.

Upon graduation he joined Consolidated Mining and Smelting Co. Ltd., at Trail, B.C. There years later he returned to the University of Alberta to complete his studies in 1958, after which he was employed at the Sherritt Gordon refinery at Port Saskatchewan.

Starting with International Nickel at the Port Colborne refinery in 1958, he was transferred to Thompson as refinery superintendent the following year, and became assistant refinery superintendent in 1959.

Married to Madeleine Manning of Edmonton, he has two sons.

W. R. COOK

St. James, Manitoba, was the birthplace of William Ralph Cook, who attended the University of Manitoba, graduating in 1955 with a bachelor of science in engineering.

He joined International Nickel at Copper Cliff that same year, working in the research department until 1960 when he was transferred to Thompson plant as refinery metallurgist. In January, 1966, he was appointed chief metallurgist.

He was married in 1950 to Bernice Del Bigio of Winnipeg, and has two children.

H. G. KING

Following graduation from high school in his home town of Niagara Falls, Ontario, Bert King was employed for seven years as an architectural draughtman and instrument man.

Joining International Nickel in 1934 at the Murray mine, he was transferred a year later to Creighton where he went on production as a driller. He was a shift boss at Levack from 1956 until 1959, when he was transferred to Thompson. He became a divisional foreman in March of 1961.

Evelyn Balmesley is shown at her desk in the main reception lobby at Copper Cliff, with four of the guides who conduct plant tours. She has retired on full service pension. The guides are J. Degan, R. Cecchetto, C. Martin and Garry Hall.

Scientists, salesmen, statesmen, educators, writers, engineers, and more recently, planning engineer.

His marriage to Helen Sauriol took place at Copper Cliff in 1939. He has one daughter and two sons.

H. G. HESS

H. G. Hess was born in Gravenhurst, Ontario, but grew up in Windsor. Enrolling at Queen's University, he graduated in 1941 with the degree of B.Sc. in mining engineering.

Following graduation he spent four years with the Canadian Army overseas. He was employed by Noranda Mines, Ltd. for two years before joining International Nickel in 1948 as an engineer at Stobie mine.

He was one of the pioneers of the Company's Manitoba development, transferring to Moos Lake in February of 1958 over to Thompson as chief mine surveyor in 1958.

His marriage to Jean Vine of Napanee, Ontario, took place in 1945. He has two children.

First Chief Chemist

The triangle account in the July issue of International Nickel's 50th anniversary in Port Colborne should have included the story of W. A. Hicks as a member of the original staff. Mr. Hicks was the Nickel Refinery's first chemist, coming from the Company's Orford works at Bayonne, N.J., in June of 1918.

He retired on pension in 1944 after almost 46 years of service. His widow continues to reside in Port Colborne.

Seaworthy Metal

A modern ocean liner uses more than 100,000 pounds of nickel in corrosion-resistant equipment made from nickel alloys and in rechargeable nickel-cadmium batteries for emergency power.

Ethel Walmesley

Thousands of people from all over the world have been greeted by the warm smile and friendly personality of Ethel Walmesley in her career as receptionist at the main entrance of International Nickel's offices at Copper Cliff.

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Beautiful Garden Illustrated Community

With the Centennial spirit urging the citizens in the Sudbury district to beautify their home grounds with floral beds, trees, and carefully groomed lawns.

Many outstanding displays were created, to neighbors and passersby as well as to the citizens of the Sudbury district, made a little more beautiful with floral beds, trees, and carefully groomed lawns.

In the annual competitions sponsored by the cultural society and by International Nick, many outstanding displays were created, to neighbors and passersby as well as to the judges who enhanced.

In the Inco gardening contests, more prizes were awarded this year than in 1966, indicating a general improvement of average home grounds by householders. The judge, Thos. Vickers, who was assisted by members of the agricultural department, was most impressed by the Coniston gardens. He also made special mention of the Centennial theme in a private garden.

Perennial winners of Inco garden awards are Mr. and Mrs. Al Stoddart of Copper Cliff, who reside at 8 Clarabelle Road. Mrs. Stoddart is shown in a corner of the upper terrace in her artistically planted grounds.

"It's a lot of work," she admitted, "but it gives us a lot of pleasure."

A floral 1967 and several attractive beds of flower and other plants were admired and enjoyed by the judges.

A commendable deed of corn can be admired and enjoyed by the judges.
Pride on, thousands of people this year to thousands of homes who take special pleasure in the appearance of their homes. The Sudbury Horticultural judges had an varied and rewarding experience in selecting the winners of the seven special categories. The judges were pleased with the increase in entries, and some were surprised to find that interest in gardening had increased at a rapid rate in recent years. The winners were as follows:

1. Gene Liciotti, electrician at Stobie mine, for his beautifully arranged rock garden at 1011 Notre Dame Avenue, Sudbury. He and his mother, Mrs. Josephine Liciotti, along with his brother-in-law and sister, Mr. and Mrs. W. Villeneuve, share the many compliments of friends and passers-by on this showplace.

2. Gene Liciotti, electrician at Stobie mine, for his beautifully arranged rock garden at 1011 Notre Dame Avenue, Sudbury. He and his mother, Mrs. Josephine Liciotti, along with his brother-in-law and sister, Mr. and Mrs. W. Villeneuve, share the many compliments of friends and passers-by on this showplace.

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An Inca pensioner since 1965, Paul Risko takes great pride and joy in the pretty plantings with which he and his wife Mary have surrounded their home at the corner of Hillcrest Crescent and Willard Street, Sudbury. It's quite a transformation when compared with the bleak background.

"It's our hobby and we love it," said Germaine Sartor of the pleasantly formalized back garden partly shown here which she and her husband Carl fill with bloom each year at 569 Queen Elizabeth in Lively. Roses are their particular joy, although they seem to be experts with every type of flower.

Every year Mr. and Mrs. Giovanni Fedot of 106 Caruso Street, Coniston, give both themselves and their neighbors a treat with their immaculately groomed home surroundings.

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It Took a 12-Year Pull But Creighton Yard Crews Made a Million

Employees in the yard department at Creighton were wearing broad grins of satisfaction on July 14 when they claimed their million-consecutive-man-hour without a lost-time injury. "This would have been a proud day for Jim Currie," said yard foreman Doug Brown, in tribute to the popular leadership of his late predecessor. It took almost 12 years of steady safe workmanship for the Creighton yard crews to top the 1,000,000-hour mark. "Congratulations to all who helped attain this fine record. Keep up the fine work!" said safety engineer Jim Byrnes. Shown above are the yard crew at Creighton 3 shaft, with foreman Doug Brown standing fourth from the right and Jim Currie at the end of the row. In the group are N. Telinsky, A. Louraz, E. Tomasec, J. Kanarek, L. Dyko, A. Brissebois, A. Ostofo, T. Szewc, L. Kelby, J. Lorenz, J. Parker, T. Chezzi, R. Thompson, C. Mitchell; on vacation were G. Forland and A. Tonelli.

Billion-Dollar Battle Being Fought At Inco's Ocean-Front Laboratory

Corrosion ruins billions of dollars worth of structural and industrial equipment annually. It also deals persistent and heavy damage to consumer items such as automotive parts, air-conditioning units and household goods.

The challenge of dealing with this insidious enemy has been accepted by a growing breed of specialists called corrosion engineers. Those with a particular interest in the effects of the sea and salt water on materials have set up their experimental stations near the ocean, at testing stations in which co-operative studies of marine corrosion are undertaken.

One such station with an international reputation is the Harbor Island Corrosion Laboratory, near Wilmington, North Carolina. At this laboratory, operated by International Nickel, testing is carried out at two separate facilities: the main laboratory on Harbor Island, and the atmospheric exposure testing lots at isolated Kure Beach, 18 miles south of Harbor Island.

Some 50,000 specimens are currently being exposed to the rigors of the Atlantic Ocean’s environment in tests that determine what degree of corrosion resistance could be expected of the metals, alloys, metallic coatings and other materials involved. Tests are usually originated by International Nickel research and development personnel. They may also be initiated at the request of producers of all kinds of metallic and non-metallic materials, or specific user industries and their associations. Independent and university research laboratories, as well as governmental agencies, are also benefited by the laboratory’s facilities.

Hydrofoils to Hardware

From the results of the many atmospheric exposure and seawater immersion tests, a biography of deterioration is written for each corrosion specimen—a story that can determine whether or not the material involved should be considered for a particular structural or equipment application. Such a biography can take months or years to accumulate, but, when this is accomplished, it often has broad technological significance throughout the world. To cite a few examples, at the Harbor Island Laboratory, today, materials are being tested for critical functions in desalination plants, hydrofoils, offshore drilling and mining rigs, power plants, oceanographic equipment, jet aircraft, submarine hulls, skyscrapers and automotive trim and hardware.

Test results obtained at the laboratory have been instrumental in the creation of important new alloys for marine applications, and in confirming that some alloys originally designed for other purposes can be used advantageously in new fields. They have been helpful as well in the establishment of national and international materials standards, and in the development of reliable guides to the selection of materials when dissimilar metals and alloys must be used in contact with each other.

Ocean’s Resources Stir Interest

The knowledge gained at International Nickel’s marine corrosion research and development facilities around the world, is more in demand at present than ever before, largely because of the swelling interest in tapping the ocean for food and its floor for petroleum and mineral resources, and in constructing commercially feasible desalination plants. More than 1,000 persons a year visit the Harbor Island Laboratory in search of new marine corrosion data.

Annually, scientists, engineers and executives from industry, government and education travel to the North Carolina facility from many different countries specifically to attend the four-day Sea Horse Institute meeting sponsored by International Nickel. The meetings are dedicated to informal discussion and exchange of information on problems related to marine corrosion. More than 30 years old and still growing, the Institute is dedicated to waging a cooperative, continuing struggle against the destructive forces of the sea.

SPECIMENS RANGING FROM standard test panels to a wide variety of finished products are mounted on racks at the Kure Beach station for atmospheric exposure ordeals to determine their vulnerability to the corrosion enemy.

Continuous recordings are made of temperature, humidity, and acidic contents of the atmosphere. There are over four acres of enclosed test areas at Kure Beach where more than 40,000 specimens are exposed to the ravages of the marine atmosphere.

THE FOREST OF ROPES suspending test racks beneath the extensive wharf structure at the Harbor Island Corrosion Laboratory is partly indicated in this picture. Thousands of specimens are submerged in the sea water at various elevations from the bottom mud to the severe environment of the splash zone, to test their corrosion resistance. Even the majority of the wharf pilings are test specimens of various beams and pipes with differing types of coating and metallic shielding to evaluate the more promising techniques of preventing corrosion.

Increasing interest in harvesting the ocean’s food and mineral resources has sharpened the importance of this big Inco operation.
Budding Tradesmen Getting Expert Instruction at Port Colborne Plant

Older heads and young hands are working together to produce fully qualified tradesmen in the apprentice training program at the Ontario division's nickel refinery at Port Colborne.

Wisdom and skill gained from long experience is passed on to the young apprentices by expert senior tradesmen with a flair for teaching. Backing up this training are specially designed courses of home study which have been developed for each of the trades after extensive research by the Company and International Correspondence Schools.

At present there are 22 enrolled in four-year apprenticeships for machinists, ironworkers, and electricians. The home study courses, which run concurrently, take from two to three years.

Scotty Roberts, ironworker apprentice (2nd year), is gaining know-how as he assists Jack Rogers in fabricating stairs to a crane platform. Since he is interested in his work and has had much experience in making and installing many different structures, working with Jack affords the best of instruction for young apprentices.

Machinist apprentice (3rd year) Barry Bitner observes closely as 1st class machinist Herb Roberts recuts the commutator of the rotor from a motor generator set. An expert in the use of the plant's largest lathe, Herb is an exceptionally good instructor as well as a top tradesman.

Jerry Taylor, ironworker apprentice (3rd year), is shown cutting mild steel plate for weldment on cathode shears, under the watchful eye of 1st class ironworker Joe Gravelle. An ingenious and skillful ironworker, Joe has extensive knowledge of the trade to impart to younger men.

Electrician apprentice (3rd year) Wayne Totten assembles a cooling fan under the watchful eyes of Archie McIntyre, maintenance electrician 2nd class, who has a thorough knowledge of all the small motors and electric tools used in the plant.

Machinist apprentice (3rd year) Tom Bruno is helping Elmer Anger, 2nd class machinist, assemble a 6 x 4 inco-type centrifugal pump in a jig to ensure universal fit when the pump is installed. Elmer is another tradesman with broad experience who has proven his ability to instruct young apprentices on the routine to be followed and the reasons for so doing. His excellent work with the Boy Scouts has also demonstrated his ability and desire to teach others.

Electrician apprentice (2nd year) Brian Scott is shown assisting Vic Rivers, 2nd class armature winder, in lashing together the inter-pole winding in one of the two 880 hp dc generators of the m.g. sets used for the plant's dc supply. This is another typical example of the broad range of training received by the electrical apprentice, working closely with a senior man and thus profiting from all his years of experience.
Professor Al Arbour's Annual College of Hockey Knowledge had Copper Cliff's Stanley Stadium jumping with activity again in August as more than 100 young hopefuls worked their way through a rugged course of training and instruction.

A highly organized operation, the two-week semester included films, chalk talks, physical conditioning, and plenty of ice drill in which the boys soaked up savvy from some of the best teaching players in the game. The boys were divided into four age groups ranging from 7 to 16. Some of the pint-size future pros are shown above (left) getting working orders from the highly successful local hockey coach, Stuart Duncan of Lockerby Collegiate.

On the right the great little New York Ranger goalie, Sudbury's Eddie Giacomini, tutors a group composed of Joey Bowen, Claude Taillfer, Kenny McMellen, Richard Bona, and Neil Cryderman, all of the Sudbury district.

Golden Wedding

A reception attended by friends and relatives from different parts of Quebec and Ontario as well as from the Sudbury district marked the 50th wedding anniversary of Mr. and Mrs. Delphis Gauvreau of Coniston.

An Inco employee for almost 30 years, Mr. Gauvreau retired on service pension in April of 1959 from the Coniston plant.

Coniston's Club Allegri was the setting for the reception, which was arranged by the couple's family of 11: Irene Lampman, Hector, Leo and Patrick Gauvreau, of Coniston; Anita Gauvreau, of Toronto; Jim Gauvreau of Montreal, and Theresa LeBreton, of Pembroke.

Mr. and Mrs. Gauvreau were married in Our Lady of Mercy Roman Catholic Church, Coniston, by Rev. Ovila Campeau. Both enjoying excellent health, they plan a visit to Expo 67 as a celebration of their golden anniversary.

New Trophy for Lively

Tom, Albert, and Oscar Gauvreau all of Sudbury; Aure Tellizzari, Hector, Leo and Patrick Gauvreau, of Coniston; Anita Gauvreau, of Toronto; Jim Gauvreau of Montreal, and Theresa LeBreton, of Pembroke.

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Jess Stickles

Jess Stickles did a lot of moving around before he finally settled down with Inco at Port Colborne in 1936. Born in Kent, England, in 1902, he was eight years old when his family sailed to Canada, living in Toronto for a year before settling at Pelham Corners in Welland County.

He first joined Inco with the bricklayers at Copper Cliff in 1919, working at the O'Donnell road yard. The following year he returned to Welland to work in the N. S. & T. Railway ticket office until 1922. He then held jobs with various concerns in Buffalo, N.Y., Pittsburgh, Penn., and Florida, after which he returned to Copper Cliff for a short time as a pipefitter.

From 1928 to 1930 Jess worked for the Steel Gates Company, building and maintaining the locks in the Welland Canal. He left Atlas Steels, Welland, to join Inco for a third and final time. Starting at the Nickel Refinery in Port Colborne in October 1936 as a pipefitter.

A highly organized operation, the two-week semester included films, chalk talks, physical conditioning, and plenty of ice drill in which the boys soaked up savvy from some of the best teaching players in the game. The boys were divided into four age groups ranging from 7 to 16. Some of the pint-size future pros are shown above (left) getting working orders from the highly successful local hockey coach, Stuart Duncan of Lockerby Collegiate.

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MODEST PRELIMINARY STRUCTURES AT LITTLE STOBIE ARE SIGNPOSTS OF BIG NEW OPERATION UNDER DEVELOPMENT

GREAT MINES FROM LITTLE HEADFRAMES GROW

The small temporary headframes which have sprouted up here and there in the Sudbury district since International Nickel commenced its major mining expansion program early in 1965 are the signposts of great mines to come.

Despite the urgency for greatly increased production of nickel to meet the world demand, and the multi-million dollar campaign the Company has mounted to close the gap between demand and supply, unfortunately nobody has come up with a formula for an “instant” mine.

An inexorable toll of time is involved between the day of decision and the date of production, during which shafts must be sunk, underground workings developed, a permanent surface plant built, hoisting and other facilities installed, and a working force organized.

It speaks volumes for the Company’s engineering departments, and for the contractor called in to make the crash development program possible, that three of the new mines are already in production, and four other new mines in the Sudbury area, along with new shafts at existing mines, are on schedule toward their target dates. Likewise, in the Manitoba division, development of new mines is proceeding with outstanding efficiency and dispatch.

Little Stobie An Example

Typical of the small surface structures signalling great things to come are the two headframes at No. 1 and No. 2 shafts of the new Little Stobie mine, seen modestly poking their heads above the horizon in the above photograph.

Less than a mile northwest of the great Frood-Stobie complex, shaft sinking at the Little Stobie commenced in midsummer of last year, with production scheduled for early 1969 and ultimate capacity 6,000 tons per day. A belt conveyor on the 2400-foot level will carry the ore 4,800 feet from the Little Stobie operations to the new Frood-Stobie No. 9 shaft, in which it will be hoisted directly into the Frood-Stobie mill ore bin.

No. 1 shaft, on the right in the picture, will be a concreted service shaft with stations every 300 feet from the 400-foot level to the 2400 level. It will have a 175-foot concrete head tower, in the penthouse of which will be mounted a Koeppe friction hoist. A cage to move men and supplies and a skip to hoist development rock will be operated in the shaft.

Initially used for development of the Little Stobie mine above the 1800-foot level, the 3-compartment timbered No. 2 shaft will eventually become a ventilation way.

Nearing Completion

On the last lap of the new mine development cycle is the activity at Copper Cliff North mine, where the massive 178-foot concrete headframe at No. 1 shaft is nearing completion. It replaces the temporary wooden headframe used in sinking the shaft to the 4000-foot level and carrying out an extensive underground development program, principally above 1400 level.

Still to be constructed at Copper Cliff North are office and changehouse facilities.

Production through No. 1 shaft is scheduled to start early in 1968, with an ultimate capacity of 6,000 tons per day. Ore will be transferred by a conveyor running from the headframe to the secondary crushing plant now serving the Clarabelle open pit operations.

Two hoists will service the shaft, one operating a cage for men and supplies, with counterweight in balance, and the other hoisting two 15-ton skips in balance. In depth capacity the latter will be second only to the new hoists at Creighton No. 9 shaft, among Inco hoisting installations.

No. 2 shaft at Copper Cliff North, which is currently serving as a development shaft with its temporary surface plant, will continue on this basis through 1968, but will ultimately become the permanent airway for the mine.

Ed Dupuis Gets $600

In Suggestion Awards

Ed Dupuis has been a craneman for 50 years, 34 of them with Inco. "It all started when I was 15," recalled Ed. "I didn't get through the gate to apply for a job at Algoma Steel at the Soo. I was tall but skinny as a beanpole so I didn't have much trouble sliding under the fence. As luck would have it they needed a crane operator and I got the job."

Ed was born in Massey in 1902, and worked at his job in the Soo until 1931. Depression times left him idle for the next two years.

but in 1933 he climbed aboard his trusty bicycle and covered the distance between the Soo and Sudbury in 13 hours. "And it wasn't over the good road we've got now," said Ed. "The dust was so bad I had to get off every time a car passed." The trip was a success for he was hired as a craneman in the Orford building.

Since then he has handled the big travelling cranes in the converter and casting buildings.

His marriage to Theresa Limoges of Hull took place in 1926, and they have raised a family of three. Fernand lives in Sudbury, Jaqueline is married to coal plant maintenance mechanic Gerry Rivet, and Marilyn is the wife of converter building mechanic Onesime Belanger. Ed and his wife are grandparents to 11.

Always a keen observer, Ed has earned himself nearly $600 over the years in the Company's suggestion plan awards. "A fellow can get a pretty good view of what's going on up there in the crane," said Ed. "That's where most of my ideas were born."

In excellent health, and proud of his four-inch chest expansion, which always surprised the doctors during his regular medical check-ups, Ed will stay active enough to tend his four-apartment block on Wembley Drive, Sudbury, with fishing and travelling on the side. 
Oscar ParadisRecalls
Great Baseball ofthe '50s

In those great days of Nickel Belt baseball, the early 50s, when Coniston was either winning the championship or else making it extremely difficult for any other team to win it, Oscar Paradis was having the time of his life.

As a key man in the small managerial group that directed the Coniston club, Oscar was busier than a one-armed paperhanger with the hives. Just about every evening was given over to baseball, but no man ever made a more willing sacrifice.

The little town with the big spirit backed its team to the hilt. It had plenty to root about, with such fine players as Art Gobo, the Moulaison brothers Lou and Paul, the Boyd brothers Bert, Keith and Vic, Mummy Mise, Clarence Fox, Murray Veno, Billy Core, Jim Milne, Tubb Halverson, Neil Asselin, Andy Barbe, Mort Berry, Ron Paquette, Steve McLellan, and others, with Snell Blake and Ross Doucette handling the coaching duties.

Oscar was also active in organizing both shift and little league hockey and baseball in the community.

Now retired on early service pension due to a heart condition, Oscar Paradis enjoys nothing more than chatting about tension-packed moments or humorous incidents in crucial games against Creight-ton, Copper Cliff, Frood and Shamrocks.

Oscar was born at Riviere aux Renards, in picturesque Gaspé County ofQuebec, but never got around to enjoying the scenery because he took off with his family for Sudbury in 1904 when he was only six months old. His father was a section foreman on the CPR, and they lived in a house at the corner of Dufferin and Pine Streets. When they moved to Romford in 1911 Oscar attended school in the Jubilee Hall in Coniston, where the Michaud Drug Store is now located.

Starting with Mond Nickel in 1923, he got experience in all departments of the smelter before being transferred two years later to the stores department. He was appointed storekeeper in 1930, the position he held until retirement.

He was married in 1938 to Jeanette Lemieux ofSchreiber, a graduate nurse. They have four sons, George, Maurice and Wilfred, all of Sudbury, and Oscar jr. of Cooksville, and two grandchildren.

Fred Burgess

Born in Eastborn, England in 1902, Fred Burgess came to Toronto as a lad of10, and moved with his family to a farm in Moulton Township the following year.

He worked on a fishing boat for 12 years, then farming lured him to South Cayuga where he remained for five years before deciding to enter industry. Fred worked for a brief period at a chemical plant in Port Robinson and also on construction, prior to joining Inco as an ironworker helper in 1942. All of his time with the Company was spent working with the ironworkers in the mechanical department.

Elizabeth Cook of Wainfleet became Fred's bride in July, 1932. They are proud of their family of four daughters, two sons and 16 grandchildren.

A purse of money was presented to Fred at a gathering in the mechanical department. He was thanked for his loyal service to the Company by Chris MacPhail, mechanical superintendent and C. H. Ott, assistant to the manager.

Ettore Bortolotti

Retired after 30 years with Inco, service pensioner Ettore Bortolotti now spends many happy hours tending his vegetable garden. A

Harvest Scene Across Road from Smelter Eye-Opener for Tourists

Joining in a toast to Mr. and Mrs. Paradis are Dino Santi, Joe Barnes, Joe Halverson and Dan Tojino, a delegation representing Oscar's many friends and associates at Coniston who presented him and his wife with a set of lawn furniture.

Mr. and Mrs. Paradis
IN THE MILL LAB a pair of university students, two of some 114 employed for the summer at Thompson, were running tests on the flotation behavior of Pipe mine ore samples. Bob Reynolds, nearest camera, is in fourth year metallurgical engineering at the University of British Columbia and Neil Gilbert in fourth year general B.Sc. chemistry at the University of Calgary. The flotation machine shown is a lab model of the type that will be installed in the upcoming mill extension.

IN THE MACHINE SHOP Ed Gaertner, a 1st class mechanic, was replacing the impeller in the course of overhauling a refinery pump. Ed came to Canada from Germany 11 years ago, has been with the Company at Thompson since 1961, is married with two children.

JOSE MONTEIRO is quite an "old-timer" at the Thompson plant, having come from Lisbon, Portugal, seven years ago. He is married, with two children. A 1st class electrician, he was inspecting the standby generator for the main control of the H2S system in the refinery.

BILL BOYCHUK was seen transferring matte from a smelter holding furnace to the anode ladle car. Bill has been with Inco for over five years, previously farmed at Yorkton, is single.

ADJUSTING the oil and air feed on the gleaming new 45,000-lb. steam boiler in the compressor building was Bert Moore, stationary engineer 2nd class, who came from Flin Flon to Thompson in 1960, is married and the father of three.

JOY MacDONALD was the man at the controls of the Koeppie hoist high up in T3 shaft headframe. He was a hoistman at Britannia Beach, B.C., before joining Inco two years ago. He was raised in Flin Flon, is single, likes fishing, boating, and curling.

WEIGHER in the shipping department, Gilbert Cure was seen preparing a 3400-lb. box of 4x4 electrolytic nickel for shipment to the hungry market. Gilbert, who is married with four daughters, came from St. Pierre, Manitoba, worked for two and a half years in the refinery tankhouse before transferring to shipping.

AT THE CRUSHER CONTROL panel in the mill was operator Joe Coelho, starting up no. 5 conveyor, located three floors above on the feeder floor. Joe came to Inco from Portugal five years ago, is married with three children.

TAKING A CALL from a skiptender reporting some problems on 2000 level was T-1 shaft topman Alf Petersen, who had never seen a mine until he joined Inco 5½ years ago. He came from Germany in 1958, is married with two daughters, is building a summer cabin at Paint Lake.