

INCO TRIANGLE

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A River Scene on Sulawesi
(STORY ON PAGES 4-5)





Two leading contributors to community activity, the Canadian Legion and the Italian Society, had lovely floats in the big parade along with a colorful Maypole Dance display by high school students from the neighboring town of Lively.

Community Spirit Reigned Supreme at Cliff Celebration

Neither threatening rain nor chilly 45-degree temperatures dampened the spirits of the thousands who attended Copper Cliff's "Day" on May 24. The event gave newer citizens in the community an opportunity to mingle with long-time residents and even brought many former residents back for homecoming reunions.

The day revived the town's old traditional celebration of Victoria Day and was such a success that it will be continued annually in the future.

A parade, stretching half a mile and lasting 20 minutes from start to finish, launched the program with the right flourish. Inspired by the Copper Cliff Highlanders Pipe Band and the Blue Saints from Sudbury, the marchers in-

cluded majorette groups, local Cubs and Scouts, Guides and Brownies, and a squad of "Copper Cliff's finest". Among the float highlights were the Kudla family's viking ship from Waters Township, Darrach's spinning wheel, and the Copper Cliff High School's football team and cheerleaders. The Copper Cliff Dairy contributed two milk wagons; 44 years of business was represented by the nostalgic horse-drawn cart and the modern panel delivery truck.

Pool Named for Mayor

Following the parade, a special ceremony was held in the park to honor the town's mayor for 12 years, Richard Dow. It was announced that the new swimming pool now under construction was officially named the Richard G. Dow Community Centre. Deputy Mayor Robert Saddington presented Mayor Dow with a symbolic golden key to the new pool, on an engraved plaque. He said the pool was named after Mr. Dow because he gave "unselfishly of his time and energies, over the years, in promoting a better way of life for all the citizens of the district". Mr. Saddington said the "outstanding community service" of both the mayor and Mrs. Dow has not only been on behalf of Copper Cliff, but of the whole Sudbury community as well. Expressing his appreciation for the honor, and the handsome gifts accompanying it, the mayor said "this has been the most memorable day of my life."

Despite the gloowering weatherman, the afternoon had a festive air much like a country-style picnic. (Continued on Page 11)



Specially honored was the popular mayor, Richard Dow, seen here greeted by a youthful admirer.



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Bert Flynn and Alton Browne led teams of old-timer baseballers.



Despite discouraging weather a large crowd lined parade route.



Kids responded with a drove of gaily decorated bicycles.



Of course there were clowns, and all kinds of races for children.



Delightful exhibition of folk dancing was special indoors treat.

Inco Family Album



BATHURST, New Brunswick, was the home town of both Harold Laffoley and his wife Rita, but now they and their attractive daughters are loyal citizens of Hanmer. The girls are Susan, 14 (seated), Muriel, 17, and Mary Jean, 15. An Inco man since 1953, Harold is a crane man in the main aisle at Copper Cliff smelter. Hunting on the Manitoulin is his favorite recreation. Mrs. Laffoley is Brown Owl of 2nd Hanmer Brownie Pack.



OLIVIER ROBILLARD'S association with the Company goes back to 1938 and when he retires, at least two sons will carry on the family name at Inco. Standing in the back are Jeremie, a garage mechanic second class at Levack mine, Claude, 18, and Fern, a drift driller at Stobie. Olivier's four daughters are Anita (Mrs. Roger Vachon), Jeannine (Mrs. Yvon Berthiaume), Lucille, wife of Murray jumbo driller Denis Renaud, and Aline, wife of iron ore plant kiln operator helper John Hogan. Olivier is a 1st class maintenance mechanic at the Levack mill, and lives in Levack. He and his wife, Alma, enjoy visits with relatives in Quebec.



SHIFT clerk in Coniston smelter, Marcel Bigras was born in Garson but his wife Elmonde came from New Brunswick. She is the daughter of Marcel Blanchard, exploration diamond driller at Creighton. Their daughters are Lise, 5, and Nicole, 21 months. Marcel, with Inco since 1966, does community service as secretary-treasurer of Coniston Athletic Association and shift hockey convenor.



ALEX and Lynda Felhazi of Port Colborne have cute twin daughters, Christine and Jennifer (who celebrated their second birthday the day this picture was taken) and a son Jeffrey, born last Hallowe'en. A Port Colborne boy, Alex has worked in the nickel refinery payroll department since 1965. He's a multiple hobbyist, looking after six big tanks of tropical fish, raising a St. Bernard and a cocker spaniel, growing roses and vegetables, and puttering in his basement workshop.



LEFT: The lively home of Al Jarbeau and family was hard hit by last August's hurricane, but "we were lucky — none of us was hurt". Al joined Inco at Copper Cliff mill in 1943, and has been at Creighton mill since 1951. He was born in Capreol, his wife Isabelle (Poulton) in Sudbury. Their grown-up family are Allen, 21 and Velvet (Mrs. Earl Waytowich) who has two sons of her own. The family has a summer camp on Clear Lake at Field; it becomes a hunt camp when Al makes his annual moose stalk, accompanied by "Sniffer", his faithful beagle.

RIGHT: Leo Bourgeois, now in his 35th year with the Company, is a motorman on surface at Stobie mine. Both he and his wife Laura were born at Chelmsford where Leo farmed with his parents for 10 years before coming to Inco. Their children are Lionel, Desneiges (Mrs. Rudy Vallee), and Germain. Mrs. Bourgeois enjoys sewing while Leo likes woodwork and fishing. They live in Sudbury.



AS COMPARED with the rock-hard sulphides of the Sudbury area, the low-grade lateritic oxide ores are a clay-like material with a high moisture content, ranging in color through various combinations of browns, reds, yellows and greens. Derived from the ultrabasic rocks which they now overlie as a blanket, they weathered for millions of years in the humid tropical climate. Exploration drilling has investigated laterite profiles to depths of 150 feet. Picture shows a 2,000-ton bulk sample of laterites being removed on the Indonesian island of Sulawesi for shipment to the Inco process research complex at Port Colborne.



NATIVES paddling their *perahus* on an Indonesian river (cover), exotic flowers in New Caledonia, vibrantly colored textiles in Guatemala — such are new sights that are coming directly within our ken. Lateritic ores in tropical climes represent some 80% of the free world's known nickel deposits, and major projects of our Company include development of some of these resources. Its explorers have investigated ore prospects, its research teams have come up with special process know-how, and its engineers are planning facilities and infrastructures for new nickel producers. All people in Inco can now identify in a personal way to some extent with these distant lands, and so the world becomes a smaller place.

IN GUATEMALA the brilliantly patterned native textiles are worn in costumes identifying villages, as in Scotland tartans identify clans. By their costumes the girl in the market place below comes from the village of Rabinal, and the man is a member of a *confradia*, a religious brotherhood, in Solola.



NEW CALEDONIA is literally a botanical museum, with some 3,500 species of higher plant life. It emerged from the Pacific over 45 million years ago, but the origin of some of its plants dates back nearly 100 million years earlier. An explanation is that this vegetation existed on "Tasmanatia", a supposed land that once lay between the present-day Australian continent and New Caledonia, and when it disappeared into the sea some of its vegetation managed to spread to the new land that emerged.

Photographs: Lance Nelson (Cover), A. H. Bradley, Madame R. Catala-Stucki, Joya Haite.

K. J. Steele (second from left), Inco's project manager, CED, discussing the New Caledonia plant model with J. L. Durrell, chief project engineer, CED; Dr. W. Curlook, technical director, COFIMPAC; P. Savoy, COFIMPAC; and G. H. Curtis, vice-president and chief engineer of Inco.



CED's Vast Responsibility

The Challenge Is Worldwide

International Nickel's faith in the long-term growth of the market for nickel, and its commitment to maintain a competitive position in the rapidly expanding nickel industry, has resulted in a number of recent organizational changes within the Company to meet these objectives. One of the key moves has been the establishment of a Central Engineering Department — CED — headquartered in Toronto under Glenn H. Curtis, vice-president and chief engineer. This group is responsible for the engineering aspects of new projects on a worldwide basis, working closely with the departments of Process Research, Process Technology, Exploration, Mining, Division Engineering and Operations.

Central Engineering assists Division Engineering in Canada with projects involving major additions to facilities. In the Ontario Division these now include the design and construction of the Clarabelle Mill, the Copper Cliff Nickel Refinery, and the Shebandowan Mill.

Reaching Far Afield

The main concentration of CED's efforts, however, is on projects outside Canada in New Caledonia, Guatemala, Indonesia and Australia where the Company, either alone or with outside partners, is developing major laterite nickel properties. These projects are in varying degrees of readiness to proceed.

Inco's proposed laterite project in Indonesia is to be located on the island of Sulawesi, the country's fourth largest island which has a population of 7,000,000. The contract area is, however, only sparsely settled. It is a mountainous region and is almost totally covered with tropical rain forest. The weather, terrain and remoteness of the site will all be formidable obstacles to overcome. A major investigation program is underway at the site to gather the required field engineering data for use in the project's development.

New Caledonia is a French overseas territory located 900 miles north and east of Australia.

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C. C. Dunkley (centre), the Copper Cliff Nickel Refinery Manager, discussing progress of the project with M. D. Head, the assistant manager, and E. B. Hymmen, the project manager, CED.

Shebandowan project superintendent Doug Valentine (right), reviewing construction progress with Dave Harvey, the Inco site representative; Alf Richards, the assistant project manager, CED; and Fred Perkins, the project planner, CED.



Nancy Nichols, pretty receptionist in the Design section.



Chief project engineer, Indonesia project, Emil Nenniger (left), reviewing plant locations on contour model of development area with project engineers John Kula, Dick Griffiths and Warren Bonisteel. All are with CED.

The Challenge Is Worldwide

(Continued from Page 5)

It has a semi-tropical climate somewhat similar to Hawaii and has a population of slightly over 100,000. The island is 250 miles long, and about 30 miles wide. The total investment on the New Caledonia project will be in excess of \$500-million. Detailed design should start as soon as a number of remaining important matters have been settled with the French Government and our partners.

Guatemala is the northernmost of the five Central American republics and stretches from the Pacific Ocean to the Caribbean Sea. The project site is located in the northeastern part of the country on the shore of Lake Izabal, where the climate is tropical and high temperatures, high humidity and heavy rainfall are typical. Inco is planning a project with an investment totalling approximately \$260 million. Design is about one-third complete and a considerable amount of work has been done at the site. To date, major delays have been encountered in making a full start on the project, pending final financing arrangements.

Three Main Sections

To carry out its functions effectively, Central Engineering Department is organized into three sections, Projects, Design and Services. The Projects Section includes a number of senior experienced project managers, each of whom is responsible for all aspects of planning, design, procurement and construction of one major project or several smaller projects. These projects may be either an addition to one of the existing plants or a completely new facility at a new location. The project manager's prime responsibility is effective completion and start-up of the new facilities on schedule and within budget.

The Design Section's responsibilities include conceptual design for feasibility studies. This includes translating process data received from Research into plant arrangements, and the selection of suitable sites as well as layouts for the plant, roads, marine facilities and towns. Transportation systems for both the ore and the finished product and other infrastructure items which constitute such a major part of the cost of new projects in remote locations, are studied.

Later, Design is involved in the selection and supervision of outside design contractors who prepare the working drawings and specifications for the project. Included in the Section are specialists in the various disciplines such as civil, mechanical, elec-

Ken Kay, Clarabelle mill superintendent, reviewing the project budget with Harry Mulligan, the project manager, CED; John Smith, the supervisor, cost control, CED; and Fred Johannes, the Inco site representative.



ABOVE: Jim Blair (left), CED's supervisor, drawing control, and Dieter Schoenefeld, maintenance superintendent, Copper Cliff Nickel Refinery, examining microfilm of equipment data.

LEFT: The Inco team working on the Guatemala project: Norman Hillier, Harold Kristjanson and Alastair Finlayson of CED.

C. H. Frame (centre), the Indonesia project director, conducting a project review in Sydney with R. W. Grudge, project manager, CED; W. R. O. Aitken, director, projects, CED; U. R. Ericson, assistant project manager, CED; and K. Torpey, manager of civil engineering for International Nickel Australia.



Hank Montgomery (left), Port Colborne's chief engineer, discussing his expansion projects with Fred Perkins, project planner, CED; Darrel Allen, project engineer, Port Colborne; Len Bell, project planner, CED; and Peter Leesment, project engineer, Port Colborne.

(Continued on Page 20)

At the T & D Institute

Course Helps Management to Reach Closer Relationships

A five-day course that digs into the whys and hows of people's actions and reactions was recently added to the extensive program at Inco's Training and Development Institute in Sudbury.

Human relations management (HRM) is an intensive study of the behavioral aspects of management responsibilities. The conference leaders place special emphasis on the role of people in leadership positions and their relationships with others.

Introduced in February and attended by successive groups of about a dozen, the HRM seminars cover a wide range of people-oriented subjects, with a lot of work packed into a short time. Visual aids, individual study, group discussions, role-playing, and lectures are some of the instructional techniques used. Among the management skills developed are delegating, training, evaluating, communicating, motivating, listening, problem analysis, decision making, and introducing change.

Picturing Effective Manager

"The course's classroom lectures and free-wheeling discussions gradually outline a picture of the effective manager," explained Leo Pevato, supervisor of training and development. This man is not a "doer" in the practical sense. Instead, his job is to get the work done through others

and to create an atmosphere in which his people can grow. He does this by assisting his people in the realization of their own work-related goals, and by directing them in the achievement of the overall Company objectives. It's not an easy task, but the manager's greatest opportunity lies in working with people and understanding them. It is these positive attitudes that the HRM course tries to instill in the participants, he said.

Part of the course takes place on the participant's own time, involving up to three hours of homework each night during the week. In this self-study he applies the formulas learned during the day's classes of typical situations he meets during his work.

Role-Playing Effective

Human relations management is the only course given at the training centre in which role-playing is used. The participants are presented with a hypothetical job situation, with the class divided into two groups representing employees and management. Each man takes his turn playing the role of supervisor or employee in a given typical situation, and is on his own in these impromptu encounters. Role-playing clearly demonstrates how personal attitudes influence the reaching of an understanding between the two points of view.

A video-tape of the role-playing action is projected on closed-circuit television. The class is usually amazed to see how significant their voice tones, gestures, and facial expression can be in communicating with others.

John Smith, Garson's underground superintendent, said he enjoyed the role-playing and smilingly suggested he must be a "frustrated actor". He said the experience "teaches you to be a better listener and shows how important it is to keep an open mind when talking with people".

Bill Bruins, the copper refin-

(Continued on Page 11)



In a role-playing exercise at one of the HRM seminars, Jim Twiss and Reg Buckingham take the parts of a supervisor and a disgruntled employee. Jim's handling of the situation is being assessed by the class, who have their backs turned to the action to avoid visual distraction. In the background, Training and Development Institute administrator Walter Lalonde is video-taping the 10-minute session for follow-up analysis.



Leo Roininen (General Engineering), Bert Lindenau (Port Colborne Nickel Refinery), and John Smith (Garson Mine) follow course attentively.



Others at this seminar were Bill Bruins (Copper Refinery), Jack Colquhoun (Purchasing), Norm Pearce (Reduction), Bob Butler (Reduction) and



Dick Beaver (Accounting), Jim Twiss (Central Engineering, Toronto), Jim Taylor (Frood-Stobie Mine), and Reg Buckingham (Training and Development).



Conference leader Leo Pevato, supervisor of Training and Development.



Bob Hall (Mines Engineering) and Carl Gourley (Mines Exploration).

Men of Distinction

Gold badges signifying 25 years of service with International Nickel will be presented to 123 new members of the Quarter Century Club at its 22nd annual banquet at the Sudbury Arena on Thursday, June 17. Photographs of most of the Class of 1971 appear on these pages, and a handsome lot they are!

Although the 1971 group is relatively small in comparison with other years, indications are that the Quarter Century Club will be receiving approximately 700 new members in 1972, and probably an even bigger boost in its membership in 1973. These increases will reflect the growth of the Company's work force due to expansion of its operations, along with the introduction of shorter work weeks and longer vacation periods.



Wes Alkenbrack
Copper Cliff



Lennie Armstrong
Copper Cliff



Ken Baker
Clanville



Henry Bean
Frood-Stobie



Edgar Beauchamp
Copper Cliff



Ed Black
Garson



Del Briscoe
Copper Cliff



Bill Bryant
Copper Cliff



Steve Chalk
Levack



Omer Charbonneau
Creighton



Lucien Charren
Garson



Lionel Chevrier
Levack



Jack Davis
Frood-Stobie



Vern Davis
Frood-Stobie



Alexis Desforges
Copper Cliff



Will Desjardins
Copper Cliff



Harry Fairbairn
Copper Cliff



Albert Falls
Frood-Stobie



Ken Fletcher
Iron Ore Plant



Gerry Galeor
Copper Refinery



Francis Gariach
Iron Ore Plant



Herbie Gattson
Copper Refinery



Maurice Gauthier
Copper Cliff



Real Gauthier
Copper Refinery



Ray Gordon
Copper Refinery



Art Graham
Coniston



Emile Grandchamp
Copper Refinery



Pete Grant
Copper Cliff



Albert Gravel
Frood-Stobie



Johnny Hamilton
Copper Cliff



Fern Harrison
Copper Refinery



Aurel Henri
Copper Cliff



Percy Iles
Copper Refinery



Don Isard
Copper Cliff



Norman Jaques
Frood-Stobie



Willard Johnston
Levack



Larry Joly
Iron Ore Plant



Taine Jossila
Garson



George King
Frood-Stobie



Henri Kingsley
Copper Refinery



Tom Kirwan
Iron Ore Plant



Ted Kivallinen
Creighton



Oscar Lafleur
Frood-Stobie



Sylvie Laurie
Levack



Leo Legault
Creighton



Jimmy MacLellan
Copper Refinery



Bob Maitland
Copper Cliff



Ernie Mallette
Levack



Joe Mason
Levack



Red Mayville
Copper Cliff



Archie McDougall
Frood-Stobie



Mario Milani
Frood-Stobie



Steve Moore
Copper Refinery



Ronnie Marwan
Garson



Joe Murphy
Copper Refinery



Bob Nelson
Creighton



George Nowlan
Iron Ore Plant



Ransom O'Malley
Copper Cliff



John O'Neill
Copper Cliff



Owen O'Reilly
Copper Cliff



Rene Guilmet
Frood-Stobie



Fred Pakkala
Copper Cliff



Elie Pegoraro
Frood-Stobie



Jacques Pelland
Copper Cliff



John Pidruski
Copper Cliff



Gerry Pellick
Copper Cliff



William Preston
Frood-Stobie



Koko Puppato
Copper Cliff



Fred Reid
Garson



Joe Russell
Copper Refinery



George Riegal
Copper Cliff



Jack Robertson
Copper Cliff



Lucien Rodrigue
Levack



Sandy Roehinks
Copper Cliff



Pete Raza
Frood-Stobie



Larry Rouleau
Frood-Stobie



Vern Roy
Copper Cliff



Francis Sarasin
Levack



Ronnie Schitka
Copper Cliff



Tony Scinto
Copper Refinery



Dave Scott
Copper Refinery



Bert Seguin
Copper Cliff



Oakley Shelnwell
Frood-Stobie



Mike Shlemkevich
Copper Cliff



Aunele Signale
Copper Cliff



Percy Smith
Copper Cliff



Mike Solski
Copper Cliff



Alec Sporns
Murray



Lefty Shelmakovich
Levack



Bill Stevenson
Murray



Herb Stewart
Copper Cliff



Ed Taillefer
Coniston



Michael Tahan
Frood-Stobie



Jim Tessier
Garson



Charlie Tripp
Copper Refinery



Harold Turkington
Copper Cliff



Jim Vanderbeck
Crean Hill



Harold Van Embden
Copper Refinery



Tom Webster
Copper Cliff



Herman Weltmann
Copper Cliff North



Jack Wylie
Garson



Mel Young
Copper Cliff

OTHER NEW MEMBERS

In addition to the new members of the Quarter Century Club whose photographs are shown on the preceding pages, the following have also qualified for 25-year badges: COPPER CLIFF: Lawrence Behnke, Henry Chamberlain, William Cowles, Cecil Dennie, Walter Guthrie, Herve Langis, Leonard Lavallie, Joseph Lavigueur, Romeo Milette, Francis Muldoon, Privat Ouimet, George Smith, Lucien Tremblay. IRON ORE PLANT: Orillio Alberton, Ken MacKinnon. FROOD-STOBIE: Joseph Boucher, Frank Carbone, Urbain Laurin. LEVACK: John Snell, Ed Shalla. COPPER REFINERY: Clarence Mateyko.

Honor Sportsmen For Achievements

Two Sudbury area sportsmen received provincial recognition for their outstanding organizational work when Ev Staples of Creighton and Doug Ogston of Copper Cliff were presented with Ontario Sports Achievement Awards. The ceremony took place



Ev Staples

Doug Ogston

at a banquet at Toronto, with Premier William G. Davis and members of his cabinet as speakers. Thirty-seven certificates covering a wide range of sports activities were presented.

Since Ev Staples started Creighton on the road to international recognition in junior badminton in 1952, many thousands of youngsters have benefitted from his coaching at the Inco Employees Club and also at clinics he has held through northern Ontario. His Creighton team annually competes in five major tournaments against top juniors from the large centres in Canada and the United States, and over the years has held dozens of championships including the Canadian junior. At present it holds six titles from international competitions.

President of the Copper Cliff Rod & Gun Club, and a long-time angling and hunting conservationist, Doug Ogston was selected for provincial recognition for his organizational work in a deer-feeding program in deer yards in the High Falls and Burwash areas.

Team Spirit Again Pays Off in Safety Achievement

Less than a month after winning the Parker Shield in Ontario Division first aid competition, Levack mine followed through by scoring a million consecutive safe man hours for the fourth time in five years. The goal took 115 days to reach, starting January 29. Levack's new target is to surpass its previous all-time record of 1,563,000 safe man hours.

In the picture, representing the various departments of the mine that worked as a big team to achieve the million mark are: (back row) Dave Lennie (area mines superintendent), Len Pitt (stores), Oliver Rossie (carpenter shop), Mervin McLaughlin (first aid), Charlie Gray (underground superintendent), Larry Puro (paint shop), Keith McKee (mining, 2300 level), Garry Moore (safety supervisor), and Bill Moffatt (mine superintendent); (front row) Bill Koppes (mechanical department), Herb

MAY. 20/71. LEVACK MINE
1,000,000 SAFE MAN HRS.
OUR 4TH TIME IN 5 YEARS
THE RESULT OF
TEAM EFFORT—TEAM SPIRIT



Price (mining, 1900 level), Bert Pardy (mining, 1400 level), and Don Knight (mining, 1900 level).

In a letter to Mr. Lennie, John McCreedy, vice-president and divisional general manager, congratulated the mine on its achievement. "I was delighted to learn that Levack mine has worked 1,000,000

safe man hours as of May 20th ... This achievement in safety has been reached for the 11th time by Levack mine, a record of which we are all justifiably proud.

"Please extend to all personnel contributing to this fine record, the Company's pleasure and my personal congratulations."

Unusual snow conditions in late winter made foraging very difficult, and deer weakened by lack of food were easy prey for wolves. In co-operation with the Department of Lands and Forests, district conservationists went into the bush in groups and cut and stacked brush in the deer yards.

Definition of Income—something that is difficult to live without, and impossible to live without.

You have to hand it to Venus de Milo—otherwise she'd starve.

New Mines Minister Visits Inco Operations



On his first official tour of inspection of Sudbury district operations, Ontario's new minister of mines and northern affairs, Honorable Leo Bernier, is seen second from right as Mel Young, Inco manager of mines, explains the automatic safety controls which stop a cage or skip before surface or shaft bottom in the event of any failure in normal hoisting procedures. On Mr. Bernier's right are Don Douglass, his deputy minister, and Bernie Weber, Creighton Mine maintenance foreman.

Creighton No. 3 and No. 9 Mines, Copper Cliff smelter, Clarabelle Mill, and the Tailings Farm were on Mr. Bernier's busy itinerary at Inco. He paused

frequently for brief chats with men on the job. Accompanying him, besides Mr. Douglass, were mines department officials Harold Davis, chief inspector, Jim Hughes, resident engineer, and Bill Morris, executive assistant, along with members of Inco management.

Strong Reserves

The ore reserves of International Nickel contain some 12,370,000,000 pounds of nickel and 7,890,000,000 pounds of copper. Because of an extensive exploration program, these reserves increase nearly every year in spite of record nickel production and deliveries to the free world's industries.

They Led Minor Hockey at Garson

Garson Minor Hockey League presented trophies to its season-end champions at a banquet, held in the Garson Employees Club. In front, the victorious captains are David Drake of the O'Neil Atoms, Murray Carroll of the O'Neil Peewees and Tim Cresswell of the Central Banams. Coaches standing behind their respective captains are Roger D'Aoust (substituting for Sy Wasylyuk), Gord McPhee and Doug Boyd. Co-chairmen of the league were Maurice Lamothe and Bob McFarlane. Some 175 boys played on 11 teams sponsored by Garson Mine Athletic Association and Neelon-Garson Recreation Commission.



Course Helps

(Continued from Page 7)

ery's plant engineer, quipped that before taking the course, "people were kidding me about going to charm school". He found the class studies and role-playing "intensely interesting and very valuable to me". Looking back on the course, he said it was bound to develop a closer man-to-man understanding within the Company. The next series of human relations management courses is scheduled for the fall of this year.

2,000 Trained To Date

Since the Training and Development Institute was opened last fall, almost 2,000 individuals have taken one or more of the formalized seminars, running for periods of from two days to two weeks. Five management courses, including human relations management, are conducted on a continuing basis. The others are:

Instructional training for supervisors (ITFS), updating supervisors in the basics of job instruction, handling training demonstrations, and preparing talks on formal and informal topics;

Supervisory management courses (SMC), consisting of Part I, which covers the basic principles of management, company organization, and performance appraisal, and Part II, developing specific supervisory leadership skills;

The two-day industrial relations course (IR), designed for all salaried personnel, with emphasis on first-line supervision, and outlining and explaining the Company's labor relations policies.

New Courses Added

A two-day seminar for maintenance supervisors has been added this year for all area foremen in plant and mine maintenance. It emphasizes work planning and setting job objectives, and ties in with a similarly technically-orient-

Captains of Champ Teams in Two Levack Leagues



LEFT: Weighed down with trophies are the captains of the victorious teams in the three sections of the men's bowling league at Levack Employees Club, Alec Didur, Alec Lefebvre and Herb Price. RIGHT: In the mixed league Eli Maki was head man of "Swingers", the season champs; beside him are the captains of the playoff winners in the "A" and "B" sections, John Mihajic and Zeta Vincent. The trophies were presented at a gala dinner dance at the Elks Club on Windy Lake.

ed zone planners course given last year.

Another addition to be introduced at the end of June is a supervisors induction program (SIP), a two-week course in which new supervisors will be briefed about the various departments related to their field of responsibility, and on the details of their duties. Representatives from safety, purchasing, employee benefits, and data processing, among others, will explain the functions of their departments.

The graduate mine engineer familiarization program, revised from last year, will start in July with a one-week orientation course at the institute. The schedule lasts one year, during which the newly-hired engineer is rotated for three-month periods from one department to another in mining operations.

On top of all this activity, the training and development staff are constantly busy improving existing courses and formulating plans for extensions of the institute's activities in both management and employee development.

Community Spirit

(Continued from Page 7)

nic. Games and races were staged for the youngsters; booths beside the park did a rushing trade in spaghetti, pizza, homemade beans and Finnish pastry, hot dogs, pop and ice cream.

Life in the Old Boys Yet!

Nostalgia ran rampant as two teams of old-time baseballers took to the diamond, under the crafty management of the legendary Bert Flynn, 79, and a "newer" Inco pensioner, Alton Browne, with "Specs" Telford behind the umpire's mask. After five innings the game was called "on account of old age". Lineups included such familiar names from old Nickel Belt baseball days as Boogy Signoretti, Bob Deacon, George Collins, Gerry Wallace, Moose McQuarrie, Joe Paquette, Bruno Taus, Bub Jewett, Bill Brown, Rocky Canapini, Fox Didone, Berk Keaney, Vic Boyd, and many others.

The Community Hall was the busy scene of a neighborly "come and go" party at which old friends met and new friends were made while refreshments were served. Displays of children's handicraft and art, paintings by local artists, coin and stamp collections, and cherished personal souvenirs representing many different homelands, added greatly to the entertainment.

It was SRO in the town curling rink for the afternoon concert, where emcee Ed Rumney kept the program moving smoothly. About 2,000 people heard the Coniston band, the Copper Cliff Public School choir, and the Lo-Ellen Secondary School concert band. Copper Cliff High School girls' gymnastic team performed with great skill and grace. The feature attraction was Les Folkloristes Ontariennes, a group of young Sudbury dancers aged 12 to 18 years. Their repertoire included most popular forms of dance such as ballet, tap, jazz, acrobatic, baton, and folk. This talented group will tour western Europe and also play at Ontario Place this summer.

Fireworks Topped It Off

A dance for teenagers at the curling rink and two dances for adults at the Italian Club and the Legion Hall provided fun for all ages during the evening. Spectacular climax to the day was the fireworks from the water tower. All the parking lots were filled to capacity and two rows of cars ringed the park in the rain to watch the colorful display.

Official representatives of several surrounding municipalities, and members of parliament, were honored guests at the celebration.

Success of the event was a tribute to the many enthusiastic committee workers and their co-chairman, A. J. Pianosi, Army Didone, Dr. J. H. L. Jones, and Remo Canapini.

Diamond Wedding

Hale and hearty at their Niagara Falls home were Mr. and Mrs. Fred Lumley Sr. when they celebrated their diamond wedding anniversary. It was on April 2,



1911, that they were wed in Bishop Wearmouth Anglican Church at Sunderland, England. The bride was Matilda M. Stobbs.

An Inco pensioner since January 1, 1955, Mr. Lumley had over 28 years of service; he was electrical foreman in the Copper Cliff locomotive repair shop at retirement. Coming to Canada in 1914, he was employed by the Sudbury Street Railway for several years. He is 81.

Mr. and Mrs. Lumley have four grandchildren and seven great-grandchildren. Their son Fred Jr., who resides in Florida, had 26 years of Inco service and was general shops foreman at Copper Cliff when he retired on disability pension in 1955.

"Local Boy" NHL Star Was Guest Speaker



Of the 6,000 boys organized in minor hockey in the Sudbury area last winter, 200 of the hungriest and most vociferous attended the closing banquet at Levack. Terry Hamilton tried to keep order, and St. Louis Blues' star Frank St. Marseille, former Levack miner from Blezard Valley, was the special speaker. Picture shows the coaches and captains

of the house league championship teams in the four divisions: Pee-wees, Pat Trahan and son Gary; Atoms, Ernie Vachon and son Denis; squirts, Roger Crepeau and son Paul; Bantams, Dan O'Bryn and Glen Eady. Levack all-star teams also competed in Nickel District leagues, and two won northern Ontario Silver Stick tournaments.



GLEN BAILEY

Creighton mine is just about 110 miles from Glen Bailey's home in Providence Bay on Manitoulin Island. "It's a long way to commute," said the driller, "so I only get to see my family on weekends."

Home is Bailey's General Store, and there to greet him at the end of each week are wife and storekeeper Betty Jane — her name was Dryden before their marriage in 1964 — and their 6-year-old daughter.

Glen was born in Porquiss Junction, some 30 miles from

Timmins, and was 14 when his family moved to Providence Bay. He came to Inco for the first time in 1960, left in 1963, worked in a uranium mine at Elliot Lake and then in an auto plant at Oshawa for four years, and returned to Creighton in 1968.

Using a muffled airleg drill, Glen was photographed while slashing in a development drift on the 5400 level.



FRED WELSH

The Triangle will go to great lengths to dig up a good story — and also to great depths. In this case we went down 5,150 feet to the shaft loading station manned by skiptender Fred Welsh.

Born on a farm near Smiths Falls in 1914, Fred railroaded before enlisting with the Royal Canadian Horse Artillery in 1939, and was posted overseas in 1940.

He served in North Africa in 1943, and was fighting near Ortona in Italy in 1945 when, as one of nine survivors from a company of over 200, he was taken prisoner and shipped to Germany.

It's hard to keep a good man down, and after just two months Fred slipped under the wire to freedom. "Sorry, I can't tell you how," he said with a grin. He made contact with advancing American troops some four weeks later, "and then had the honor of sitting down to my first real meal in a long time in the company of none other than General Patton himself."

A TRIANGLE WALKABOUT AT CREIGHTON NO. 5 MINE

While in England in 1940, Fred married Mildred Horne, who came to Canada in 1943. They have a family of three, and two grandchildren. Fred joined Inco in 1947.



EUGENE WASOWICZ

Eugene Wasowicz started as a miner at 19, working at the face of the 12-foot seam in the coal mine near his home town of Jaworzno, Poland.

He put down his pick to join the Polish army in 1939, was captured and became a prisoner of war the same year, and after a brief period of freedom following a prison break in 1942, was confined in a concentration camp until the end of the war.

He came to Canada and joined Inco at Creighton in 1947.

Eugene was photographed on the 3800 level while cutting rolls of welded mesh screen for delivery to various areas of the mine where it is rock-bolted to the back for support and protection.

Single, unattached, and 51, Eugene reported that the example recently set by Canada's prime minister has given him hope and much food for thought.

ELMO TOMASSINI

Surface motorman Elmo Tomassini and Creighton mine have been partners for a long, long time. To be exact, come next August, they will have been going steady for 42 years.

Born at Sellwood in 1912, he was 10 when his parents moved to nearby Sudbury, and 16 when he was hired to work in the 3 shaft rockhouse in 1929. He moved over to 5 shaft as a car-loader when the surface ore



sorting plant started up there in 1935.

Elmo worked underground from 1939 to 1952, and then came to surface to operate one of the yard locos. "They were battery-powered in those days," he recalled, "and pretty hard to keep going in sub-zero weather. We switched to diesels in 1957."

A keen outdoorsman, Elmo maintained his independence as a bachelor until 1962 when he married Mrs. Stella Vitone of Massey. She has a grown-up family of three.

An expert at the popular Italian game of bocci, Elmo enjoys the peace and quiet of country living at his home on the old Creighton Road in Waters township.



ROYCE BECKFORD

The coming of Spring provokes a wide variety of thoughts. Some people's minds turn to the garden, others to boats and the summer camp. Following his first Canadian winter, Royce Beckford dreams of sinking his teeth into a juicy mango while wiggling his toes in the sun-warmed sands of Jamaica's Montego Bay where he was born.

Royce left his home town for New York in 1969, was married there to Dorothy Duncan in 1970, moved to Toronto the same year, and came to Inter-



rockhouse conveyorman, Gaetan was photographed while inspecting the automatic shut-off switch at the head pulley of the long belt that carries most of the mine's production to the mill over at No. 7 shaft.

Gaetan's recreational activities are centred around skiing during the winter months, and swimming just as soon as the ice is off the lakes. He's not married — yet.

national Nickel last February. He and his wife are the proud parents of a son.

A maintenance electrician, Royce served a five-year apprenticeship in the trade in Kingston, Jamaica, and then applied his skills in a bauxite plant.

With a roving commission throughout the mine, he is seen in the 3800 level warehouse while repairing a shaft signal.

IRVINE "BONES" BURTT

"You'd better call me 'Bones' in your write-up," advised Irvine Burtt with a grin, "or nobody around here will know who you're talking about."

A native son of Fredericton, New Brunswick, and "as thin as a rail" when he started with Inco at Creighton in 1948, he was first given the nickname of "Herring Bone" by his workmates, but it "got whittled down a bit as time passed."

A stope boss for many years, "Bones" has been employed as a motorman since 1960. He was



photographed at the controls of an electric locomotive on the 3800 level while re-tramming ore.

He and his bride of 1950, Evelyn Badgerow of Espanola, live in Lively, and have a family of seven ranging in age from 19 to a toddling one-year-old.

Although only 43, "Bones" already has plans for retirement. He figures he'll return to the family farm down east. "I'll be ready for the slower pace of living by that time," he said. "Besides, where else is there such good fishing."

GERRY LEVAC

A trainee carpenter, 27-year-old Gerry Levac is taking advantage of Inco's upgrading program for hourly employees. The Triangle camera zeroed in on him in the carpenter shop as he was applying the finishing touches to a batch of blasting wire reels.

Born in Sudbury he grew up in Lively, and after graduation



from high school embarked on a shoe salesman. "Five years was enough," said Gerry. "It's tough satisfying the public where shoes are concerned — and don't you believe it's just the ladies, men are pretty hard to please too!" He came to Inco in 1964 and worked as a crusherman before starting his twelve-month training course last March.

Gerry and his bride of 1967, Dianne Haas, have two sons. They live in Creighton.

Gerry is the son of long-time Creighton crusherman Harold Levac, and the brother of Don, a grinding boss at the Copper Cliff mill.

BILL ADAMS

One of the mine's two lamp-room attendants, Bill Adams' job is to keep 1,479 all-important electric cap lamps fully charged and in good working condition.

Seen here, he is topping up battery acid while the lamps are receiving a 4-volt direct current trickle charge during the two shifts they are not in use. "Believe it or not," said Bill, "there are no less than 56 pieces in each lamp head."

Bill was born and grew up on a farm near Sundridge, entered



the working world at age 16, and left the CPR to join Inco at Creighton in 1942. He worked in the stopes and on construction prior to his move to surface and the lamproom five years ago.

Also from Sundridge, Alice Parks exchanged marriage vows with Bill in 1936. One of their family of eight, Gail, is the wife of Copper Cliff field exploration dispatcher Bert Beauchamp.

Twelve grandchildren complete the family.

Just past his 60th birthday, Bill is looking forward to retirement, planning to spend a lot of time at his summer home at Nepewassi Lake, where he raises rabbits and pigeons.

REAL DUCHARME

Real Ducharme has changed his driving habits. Five years ago he was driving a herd of 40 Holsteins on his father's farm near Verner. Now he drives a load-haul-dump machine for Inco. "The shifts are much better now," he said with a wink. "Those cows kept me tied up 15 hours a day."

Real's career with International Nickel started at the iron ore plant in 1965. He moved to



underground operations at Creighton in 1967.

Behind the wheel of a powerful ST2, the diesel loaderman's picture was taken on the ramp while he was re-tramming ore from the 5400 level stopes to the grizzly pocket on 5600 level.

Unmarried and "as free as a bird", 26-year-old Real had just returned to work after a seven-week spring spree to Mexico. "That's great country down there," he said. "I soaked up enough sunshine to last me all year." His companion on the trip was Frodo driller Florian Rainville.

KEN BREAR

Backed by the first-hand experience he gained while working at lumbering and construction jobs before he came to Inco, Ken Brear has some firm views on the mining game. "I feel much safer working underground," he said. "And how about wintertime — why it's cosy down here compared to other places I've worked."

The Triangle talked to Ken in a development drift on the 5400 level of the mine where he was using an Amex Loader to charge drill holes in preparation for a blast.

Born in Burks Falls, Ken came to Inco in 1952, worked



on construction and as a diamond driller, and has held the job of stope boss for the last 15 years. His marriage to Annette Hinchburger of Trout Creek took place in 1960. They have a family of three and live in Waters Township.

Ken's off-the-job activities include summer weekends and vacations at the family's camp on Fairbank Lake, and winter plowing of driveways with his trusty truck. "I wouldn't like to see another winter like that last one," he said. "Boy, was I busy!"

MIKE CHEPLECK

A crusherman, Mike Chepleck is backgrounded in this picture by the 66-inch feed roll that controls the flow of muck to the 42-inch swing-jaw crusher on the 3800 level of the mine.

A westerner, Mike hails from Winnipeg; he worked on road construction for several years before joining International Nickel at Creighton in 1941.



A second highly important event in Mike's life also happened in 1941 when he married Jean Lubinski, also of Winnipeg. Their family consists of a son and a daughter.

Hankering for the sights and sounds of their youth, Mike and his wife usually manage to spend part of their annual vacation back in their home city, visiting relatives and friends, and checking on the lusty breeze at the corner of Portage and Main.

An accomplished gardener, Mike has a big basement deep-freeze to store his tender vegetables for enjoyable eating the year 'round.

Goose Doing Fine, Thanks

Last month the Triangle carried a story on the plight and subsequent rescue of three Canada geese after one of their number made a crash landing on Inco's tailings disposal area at Copper Cliff.

"It was heart-warming to see the expressions on the faces of the three men who made the



"Nurse" Uke Hrinivich and Dr. Frank Flowers in attendance.

rescue, all different but expressing so much," wrote Mrs. E. Payne of Sudbury. "Please let us know the sequel."

Mrs. Payne and other readers will be happy to hear that the goose with the broken leg is coming along fine and is contentedly thumping around in a walking cast in a comfortable pen at the Vermilion Wild Life Refuge near Levack.

The game goose was transferred to the refuge after treatment and a five-day stay as guest of veterinarian Dr. Frank Flowers at his Sudbury clinic. "An environment



Leg in cast, she luxuriates in private suite at sanctuary.

similar to the bird's natural habitat is an absolute must during convalescence," said Dr. Flowers. "At the clinic we had to force-feed her. Out at the refuge she's eating well." She is also receiving the fond attention of a male

admirer who pokes his head through the mesh and honks sweet nothings into her ear several times a day.

A picturesque quarter section, the refuge was established in 1956 by the late Paul Hrinivich, and is carried on by his wife and sons Uke and Bill. Containing two bubbling creeks and three ponds, the area is currently the summer home of close to 200 geese and more than 1,000 assorted ducks. Thirty goose couples are nesting, and to date half a dozen families of fluffy goslings have been hatched. "I couldn't begin to count the duck nests," said Uke. "There are so many of them and new ones appear every day — in the oddest places. Our special guest will have lots of company when she is set free again."

A 45-minute drive from Sudbury, the refuge is a great attraction to young and old alike. It is open to the public from sunrise to sunset seven days a week during the summer months.

Pollution Control Will Boost Uses of Nickel

The magnitude of the planned control of pollutants requires the development of highly engineered systems that offer excellent market opportunities for nickel-containing alloys.

Important developments in this new highly active field include:

The probability of substantial consumption of nickel-content steel in vehicle exhaust control systems by the auto industry;

A sharp increase in the use of high-nickel alloys in gas turbine engines and in other high-temperature applications, including uses in nuclear power plants;

A thrust in stainless steel consumption, now nickel's largest single outlet, from pollution-control programs related to transportation of natural gas, sewage and other effluents, and reclamation of water through treatment plants.

Ecological Aid

Rye seed harvested from crops on the tailings disposal area at Copper Cliff has been sent to India for an experimental project on residue dumps of a gold mining company.

"I have been struck by photographs showing how International Nickel has turned the eyesore of drab dumps into acres of green grass," wrote the superintendent of the Kolar Gold Mining Undertakings at Oorgaum. "I am sure you will give me a helping hand to get over an identical problem here by sending some seeds and literature."

The Company's agricultural department at Copper Cliff was only too pleased to co-operate. A print of the Inco color film, "Rye on the Rocks", describing Inco's methods for controlling dust from tailings areas, was also sent.

They Led Victors in Inco Mixed Bowling

Here are the proud captains of winning teams in the 12th season of the Sudbury Inco mixed bowling league, sponsored by Frood-Stobie Athletic Association. Robert Amyot holds the Eldred Dickie Trophy for the winners of the "A" Section play-offs; Mrs. Ray Fraser's team finished first in the "A" section and won the Stan Dobson Trophy, while Jonathan Giffard stands in for his "B" section captain Wayne Richards, whose team won the Norm Creet Trophy.



Research Fellowships Again Given by Inco

Fifteen postgraduate research fellowships in science and engineering have been awarded to students at Canadian universities for the 1971-72 academic year by The International Nickel Company of Canada, Limited. Five are new fellowships and 10 are renewals of previous awards. Each is valued at \$4,500 annually.

One of the renewals is to Ronald A. Zelinka, of Sudbury, attending Queen's University.

The fellowships are part of International Nickel's extensive educational-aid program. Over the past 15 years the Company has given more than \$11,000,000 to higher education in Canada.

The International Nickel fellowships may be held for up to three years. Each provides an annual student allowance of \$3,800 and an annual supporting grant of \$700 to offset research costs. One hundred and two awards have been made since the program was begun in 1951 and total expenditure since 1956 under this fellowship program has exceeded \$600,000.

Two annual scholarships, pro-

viding for tuition and other fees plus a grant of \$300 to the student, are also awarded by Inco to students from the Sudbury campus of Cambrian College and the Haileybury campus of Northern College, and are for selected studies in engineering at Canadian universities. The winners this year were William Hume of Haileybury and Robert Osborne of Corbeil.

Sign on a tire store: "We skid you not."

Colored Steels

Research scientists at International Nickel are close to developing stainless steels that can be produced commercially in almost any desired color, not just the mirrorlike, silver finish of existing stainless grades.

Albert P. Gagnebin, president of Inco, listed the colored steel among several new applications for nickel on which the Company was working. He spoke at a luncheon of the Sales Executives Club of New York at the Waldorf-Astoria Hotel.



Presentation of trophies on May 25 marked the end of a busy season for the Copper Cliff Club's 5-pin mixed bowling league. Seated is the winning adult foursome: Malcolm Finlayson (captain), Mary Finlayson, Hilton Fowler and Anne Fowler. Standing are the members of the winning team in the teenage section: Tim Head (captain), Reg Courchesne, Gary and Brian Delorme.

Heat Will Stretch It 4 Feet

Super-Stack's Steel Liner Is Growing Downward!

Most structures grow upward. Not so the 45-foot diameter insulated steel liner that's being installed inside the concrete shell of International Nickel's super-stack at Copper Cliff — it's growing downward!

The first section of the liner, 63 feet high and weighing close to 55 tons, was hoisted and anchored to 24 temporary hangers at the top of the stack by Dominion Bridge Co. on May 23rd. Assembled from pre-rolled plates welded together inside the base of the stack, the section — known as a "can" to the steel men on the job — was fabricated from ¼-inch nickel stainless steel for its top 53 feet. Two-inch fibre-glass insulation was applied to the outer surface before hoisting.

With plate thickness varying from ¼- to ¾-inch, subsequent 50-ton "cans" are being assembled, insulated and hoisted in a similar manner, each welded to the one above. A circular work-

ing platform travelling inside the liner is used in joining the sections.

Will Total 2,000 Tons

First installed by Dominion Bridge were two separate steel frameworks on the top rim of the stack. One framework supports the sheaves that are used to hoist the liner "cans", the other will carry the growing weight of the liner as it is assembled section by section until the final 2,000-ton load is transferred to the flue breeching system at the bottom of the stack. Following this load transfer, a 6-foot 10-inch stainless steel cap will be added to the top of the liner.

Lifting power is supplied by a ground-based triple-drum hoist. Two drums are used to lift and jockey the "cans" into place, and the third drum operates the working platform.

Activated by a separate hoist, a four-man cage travels inside the

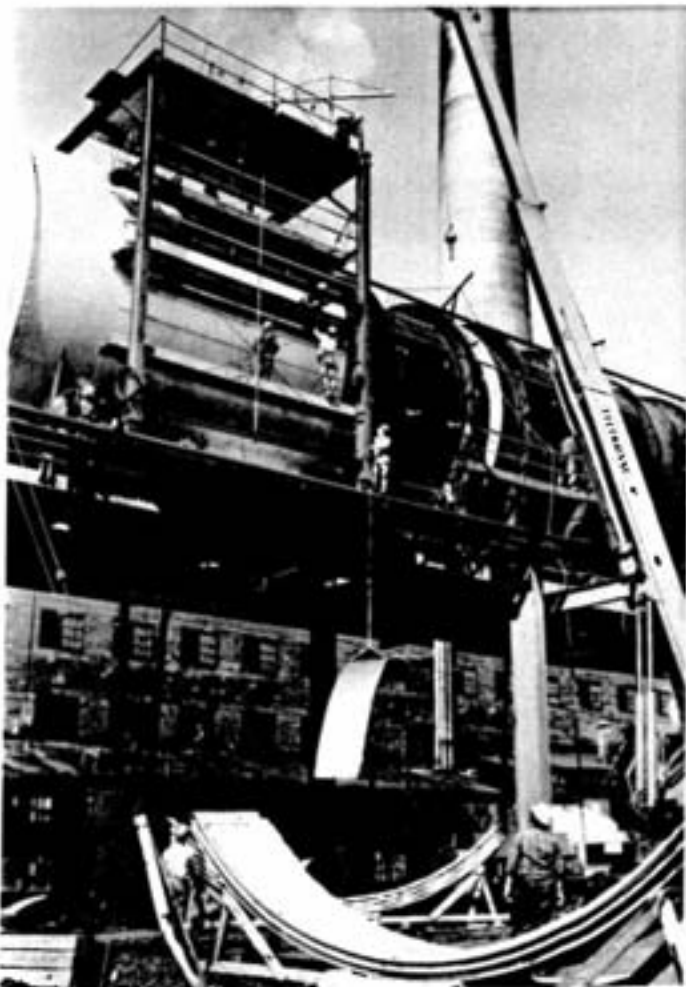
(Continued on Page 20)



A WORM'S-EYE VIEW inside first section of steel liner, showing the man cage ascending and, almost a quarter of a mile up, daylight filtering around the liner installation platform at the top of the stack. Detachable steel framework on liner is for hoisting.



WELDING THE bottom ring and applying fibreglass insulation to first section of 2,000-ton liner before hoisting it to the top of the super-stack.



INSULATED WRAPPING of nickel stainless steel is applied to additional sections of huge flues in the system connecting smelter operations with the new stack.

Retired on Inco Pension

WITH 20 OR MORE YEARS OF SERVICE

TED KOVALAINEN

"That old sauna of mine really keeps me healthy—I never missed a shift due to sickness." And Ted Kovalainen's steam bath



Mr. and Mrs. Kovalainen

in his Waters Township home will probably keep him in fine form for a good many years to come.

Ted was born in Rock Springs, Wyoming but moved with his family to Finland as an infant. He came out to Canada on his own at age 16 in 1923 and eventually joined Inco in 1934 at the Frood. He broke his service in 1942 to operate his farm on Black Lake Road, but returned in 1945, this time to Creighton, where he was a timberman.

Ted married Signe Punkari in Sudbury in 1929. Their daughter Irene is married to Inco buyer Don Kallio and they have three grandchildren. When the Kovalainens take their next trip to Finland, Ted may have some fancy explaining to do about his electric sauna to some of his dyed-in-the-wool steam purist relatives.

ED SMITH

Ed Smith is one of the few Inco men who has worked at both ends of the nickel business, mining and refining. "I was a shift boss at the Frood in late '40 before coming down to Port Colborne. I guess I'd hardly know



Mr. and Mrs. Smith

the mine now, with all the tremendous changes and improvements that have taken place."

"At the nickel refinery I started in the anode department and then moved over to the shop. I was with the painters for 20 years and always found them a great gang to work with."

Ed, who has found it necessary to take a disability pension, spent his boyhood in Niagara Falls. He worked on the Beauharnois hydro project in Quebec before becoming a miner at Sudbury in 1935,

and a few months later returned to Beauharnois to marry Grace Good. They have three children and 10 grandchildren.

He served with the Canadian Navy for almost four years on corvettes, frigates and minesweepers. Enthusiastic in sports, he was prominent in hockey, softball and bowling. He has been active in the service work on the Canadian Legion.

Ed continues to enjoy his woodworking hobby. He and his wife plan to do considerable travelling.

FRANKIE LAVIGNE

"I think once hockey is in your blood, it's there to stay," said Frankie Lavigne.

A man who twice tasted victory champagne from the Allan Cup, emblematic of the Canadian championship back in the great era of senior amateur hockey, still takes an avid interest in the game. He's a strong supporter of the Sudbury Wolves, and was enthusiastic about the calibre of play at the Canadian Universities tournament held last winter at Sudbury, where he helped root Laurentian Voyageurs to an impressive showing.

Frankie Lavigne and the late Frankie Graham were known as "the fearsome twosome" on defence when the Halifax Wolverines won the Allan Cup in the spring of 1935, and again when Frood Mine captured the big trophy after a memorable series with North Battleford in the spring of 1937. The Frood team then went on to win the world championship at stake in an international tournament at Maple Leaf Gardens, Toronto. Any player who had the misfortune to be hit in full flight by either Frankie thought he had run into a fire hydrant.

Frankie was born in Ottawa and graduated to senior hockey stardom there. He came to Inco in the fall of 1935 when Frood started in earnest to build an

Allan Cup team. Twenty-five years ago he transferred to Creighton, where he became a 1st class electrician and in later years was an official of the local credit union organization. He served four years overseas with the Royal Canadian Engineers.

His marriage to Helen Bryson of Truro, Nova Scotia, took place at Halifax in 1932. They have two children and three grandchildren. The Lavignes plan to do some travelling in Canada but Sudbury will remain their home. "I can't just leave those Wolves and Voyageurs on their own," said Frankie with a wink.

ALF McCANDLESS

"You might say Bob fixes them, I drove them and Bill made sure everything was on the up 'n up," Alf McCandless was telling of his and his two brothers' association with the Company — Alf is retiring as a locomotive engineer,



Mr. and Mrs. McCandless

Bob is a 1st class car repairer at Copper Cliff, and Bill was on the Copper Cliff police force. The McCandless boys have racked up an impressive 120 years with the Company — Alf is retiring with 42 years' service, Bill had 39 years to his credit when he hung up his billy three years ago, and brother Bob (still on the payroll) also has 39 years.

Alf was born on the family farm at Warren, east of Sudbury, where he worked with his father until 1929, then joined Inco at Copper Cliff. For the first 15 years he was a hoistman on the locomotive cranes, then for the remaining 27 years of his service

was an engineer on the electric locomotives.

In 1939 Alf married a Sudbury girl, Sylvia Gyde (his brother Bill married Sylvia's sister Florence). Alf and Sylvia have one daughter. Mrs. McCandless is a registered nurse and enjoys doing volunteer work at Sudbury hospitals. When Alf talks about "keeping up the properties" as his recreation, he's referring to their Sudbury home and their Long Lake cottage.

LES POMFREY

"I think I will go back up to Alaska this summer — the salmon fishing was great and I want to give it another whirl." Les Pomfrey's repeat Alaska safari is but



Mr. and Mrs. Pomfrey

a part of a pretty extensive travel campaign that he and his wife Winnifred have planned for retirement.

Les is taking an early service pension after 34 years' service. He always worked in the power department and for the last 10 years was chief operator at the Nairn Falls plant in the Company's Huronian System west of Sudbury. He was born at Nairn Centre.

He married Mrs. Winnifred Horton in 1965, thereby gaining two sons and a daughter. Mrs. Pomfrey was born at Alpena, on Michigan's lower peninsula. Mrs. Pomfrey enjoys card-playing and, like her husband, likes to travel. In spite of all their wanderings, the Pomfreys will maintain their home at Nairn Centre.

BILL TAYLOR

"The only regret I have about my years at Inco is that I didn't start when I was younger," said Bill Taylor.

Apparently some of Bill's feeling about the Company rubbed off on the family, for all his five sons are on the Inco payroll. Bill jr. is a fieldwork supervisor in the Company's Guatemalan project, Doug is a clerk in the ex-

Frankie Lavigne of Creighton Mine (centre) beams his pleasure at the big turnout of old hockey players and other friends at his retirement party. On the right are George Hastie of Falconbridge and Charlie Marshall of the Copper Refinery, two of his team-mates when Frood won the Allan Cup for Sudbury in 1937. On the left are Art Cumming, master of ceremonies at the party in the Lively Legion Hall, and Bert Smythe, who made the presentations to the popular little hockey star of yesteryear.





Mr. and Mrs. Taylor

ploration department, John is a general foreman in the planned maintenance department at Copper Cliff, Wally is a floorman in the power department at High Falls, and Wayne is a construction co-ordinator in the general engineering department at Copper Cliff.

Bill was born in Oxford County, England, but grew up at Kaga-wong on Manitoulin Island, having moved there with his family as a boy of six. Prior to coming to Inco in 1942, he worked for Ontario Hydro on the island. At Inco, he was a supervisor in the power department overseeing power line design and the maintenance of power line rights-of-way.

Bill married Mae Wagg in Mindemoya in 1930. They have six children and 19 grandchildren "and that's by no means the final count". Mrs. Taylor is also from the Manitoulin — she was born at Tehkummah and grew up in Mindemoya.

The Taylors plan to continue living in the Sudbury area.

WILFRED SAVARD

Wahnapiatae was the home town of Wilfred Savard, usually known as Ted, who has retired on full service pension after 32 years with the Company. He was a smelter worker at Copper Cliff where he was a tapper helper and skimmer on the reverberatory furnaces.

Before coming to Inco he worked a short stint with the Mond Nickel Company during the twenties and later on construction during expansion of the Copper Cliff smelter.

For recreation, Ted takes on small touch-up jobs on summer cottages in the area, in between fishing and hunting jaunts. This bachelor also keeps a nice garden at his Sudbury home.

BOB MONETTE

Friends intending to visit Margery and Bob Monette this summer at their Levack home should



Mr. and Mrs. Monette

telephone first — they may well be half way across the country in



Looking about 20 years younger than full retirement age, Bob Meikle was given a cheery sendoff at a gathering in the general offices at Copper Cliff, where he had been building superintendent for over 10 years. Administrative assistant Richard Dow is shown with part of the group, wishing the popular Robert "all the best" after presenting him with gifts.

their camper trailer. "We have our own home in Levack and plan to stay there but now that we have lots of time we're going to see more of Canada."

Bob was born in Copper Cliff but grew up near Arnprior in the Ottawa Valley.

In 1947 he joined the Company at Levack mine, where he was a car repairman. In excellent health, he has retired on full service pension.

Married in 1939 to Margery Morphy in Carleton Place, Bob is the father of three. Mrs. Monette's birthplace was Almonte, another Ottawa Valley town. They have seven grandchildren. Son Allan is a skiptender at Levack mine.

MORRIS CAYEN

Morris Cayen, a survey party leader in the Stobie mine engineering department, has stowed his transit and called it a day. After 31 years with the Company he is retiring on a disability pension as the result of a stroke he



Mr. and Mrs. Cayen

suffered in 1968. Morris was born in Chelmsford but grew up in Creighton. He started with Inco at Frood mine but transferred in 1944 to Stobie where he was a survey party leader for the last 17 years of his service.

In 1943, he married a Sudbury girl, Monica McCoshen; they have three children.

Morris was formerly an active sportsman — one-time president and now life member of the Sudbury Fish and Game Protective Association, although now he has

to be content to preach what he used to practice in conservation work. He has a cottage on Lake Penage.

The Cayens have a cross-Canada train trip scheduled. They will continue to live in Sudbury.

Morris' father, Edward, is an Inco pensioner who retired from Frood mine in 1961 with 35 years' service. Two brothers are still active with the Company — Eddy is a security guard at Creighton and Fern is a shift boss at Frood.

PERCY LLOYD

Adanac (that's Canada spelled backwards), a little town near Saskatoon, was the birthplace of early service pensioner Percy Lloyd. Before coming to Inco in 1936, Percy farmed in Saskatchewan for several years.

He started with the Company at Frood mine, moved over to the open pit in 1943 and was at the Clarabelle open pit from 1967 to the end of his service. He was a diesel mechanic 1st class.

"It's little wonder I became a mechanic. I've been crazy about engines all my life. I was forever tinkering with our old Model T back on the farm."

Percy's love for things mechanical isn't going to stop now that he's retired; he plans to handle repairs on small motors out of his Sudbury home. "It'll be quite a change after working at the pit on those 3,000-lb. V-12's," he said. The summer cottage on Lake Nipissing will also get more of Percy's handyman treatment.

Married in 1937, Percy has one child and three grandchildren. He has good health, in keeping with his family background — his mother and father are still living in Saskatchewan at the respective ages of 88 and 90.

BOB MEIKLE

Bob Meikle, the dapper Scot with the manifold duties of building superintendent in the general offices at Copper Cliff, has retired on full service pension from

the Company. Bob was born at Falkirk, Scotland, and still has a rich burr on his tongue. His arrival in Canada was preceded by 20 years in the British aircraft industry where,

among other projects, he worked on the development of the famous Spitfire from its prototype days on through several successive models. At Inco, he started in 1948 as a mechanic in the machine shop at Copper Cliff and moved to the general offices as building superintendent in 1960.

In 1937, he married a Glaswegian lass, Margaret Gillies, in Southampton, England. They have three children and two grandchildren.

In good health and not inclined to lay back and just take life easy, Bob is finding plenty of opportunities for his talents on a part-time basis. Tent-trailering and the cottage at Fairbank Lake are filling out his new-found leisure very nicely. Although Bob and his wife are planning a trip back to the auld sod, the Sudbury area will remain their home.

JOHN LEPAGE

A shift boss at Frood mine for the last 20 years of his service, John LePage hails from Fort Coulonge, Quebec, on the Ottawa River below Pembroke. John worked on construction for Inco at Frood and at Port Colborne before joining the Company in 1930. He started in the electrical department at Copper Cliff but transferred to Frood in 1940.

An active sportsman in his

(Continued on Page 18)

Retired on Inco Pension

WITH 20 OR MORE YEARS OF SERVICE

(Continued from Page 17)

younger days, he boxed for four years as an amateur and played defence for four seasons in the old Nickel Belt Hockey League.



Mr. and Mrs. Lepage

His marriage at Copper Cliff in 1942 to Veronica L'Abbe has been blessed with five children. Mrs. Lepage was born and grew up in Sturgeon Falls. Daughter Diane is married to Mel Sekerak, a construction co-ordinator in the general engineering department. The grandchildren tally so far for Veronica and John is five. Their home is in Sudbury. The Lepage family plan to travel throughout Canada and later Europe.

JOHN STASKEVICIUS

On completing high school in Lithuania, John Staskevicius returned to his birthplace of Joniskis to take charge of the family's 200-acre farm on the death of his father. He also became the



Mr. and Mrs. Staskevicius

town's leading citizen, serving as mayor for 10 years before moving to Germany where he worked in the textile industry for four years.

He arrived in Canada in early 1948 and a year later became an Incoite at the Port Colborne nickel refinery, where he was a cementationman at the time of his disability retirement.

He had known Ona Valikovaite in Lithuania, and romance bloomed after she came to reside in Port Colborne. They were married at Toronto in late 1949.

John owns some real estate, and will be kept busy with the plumbing and carpentry jobs that keep cropping up. He likes to get out for some hunting and fishing now and then. He and his wife are active in several local organizations.

JOSEPH MARTIN

Joe Martin is one of the comparative few who have rolled up 40 years of service with Inco, but his indirect association with the

Company goes back even further.



Joe Martin

He was born at Victoria Mines, site of the old Mond Nickel Company smelter, and prior to coming to Inco in 1930 he worked in the twenties as a bricklayer on expansion of the Copper Cliff smelter.

As an Incoite, he spent all of his 40 years at Frood mine, where he was a chute blaster. Joe was married to Zoë Laverne at Ottawa in 1935, and they shared the joy of four children and five grandchildren. Mrs. Martin died in 1970. Daughter Denise is a keypunch operator in the data processing department at Copper Cliff and another daughter, Jacqueline, is married to Copper Cliff smelter baleman Jim Lapointe.

Taking his full service pension in good health, Joe is looking forward to hunting trips; he plans to spend the winters in California where one of his daughters resides.

HARRY COSTELLO

Harry Costello and his wife have a new motto—"Have trailer, will travel." No more cold, northern Ontario winters for them; sniffing the yellow roses of Texas, where they spent last winter, is a lot more fun than keeping the driveway clear of snow. They particularly enjoyed the recreational programs featured at the trailer villages.

Harry has qualified for full service pension with the Company.



Mr. and Mrs. Costello

He started at Copper Cliff in 1934 as a painter 1st class. Born at Levack with an artistic flair, he worked for nine years in Sudbury as a sign writer until the depression of the early 30s forced him out of business. He is well remembered for his creative work on the sets for the gala skating carnivals at Stanley Stadium, and on various Company displays. He was president of the former Copper Cliff Mechanical Pension Club for 10 years. Musically inclined, he was a member of Trump Davidson's first orchestra.

Ezma Phillips of North Bay became Harry's wife in 1929. Of their three children, daughter Precious is the wife of transportation department scale clerk Andy

Mihaichuk. The Costellos have six grandchildren.

JOSEPH ROY

Joseph James—better known as J. J.—Roy had a special distinction in his relationship with Inco. During the last few months of his service he was the eldest



Mr. and Mrs. Roy

of three Roy generations working simultaneously for the Company. Grandson Jean Louis Despatie is a driller at the Frood, and two sons work for Inco as well—Michel is a hoistman at Murray mine and Henri is a clerk in process technology at Copper Cliff smelter.

J. J. started with Inco in 1939 at Frood mine. He was at the Clarabelle open pit from its inception until his retirement but earlier also worked at Garson, Murray, Levack and Creighton. Home town for this Quebecker was Bic, near Rimouski.

Married in 1930 in Sudbury to Clementine Dubois, J. J. is the father of five, a grandfather of 11, and also a great grandfather. Mrs. Roy was born at Chelmsford, near where the Roys now live on Vermilion Lake. J. J. likes fishing and hunting, and televised sports. Both are in good health and are planning to stay in the Chelmsford area.

DISTON GREIG

"Yes, my proper name is Diston, although hardly anyone knows it. It has been 'Scotty' since practically day-one in Canada in 1929."

Scotty Greig was born on the Firth of Forth in bonny Scotland, where he mined coal for nine years prior to his move to Canada. Starting with Inco in



Mr. and Mrs. Greig

1929 at Garson, he transferred four years later to the Copper Cliff smelter mechanical department, and has been a platemaker since 1937.

His marriage to Florence Cashmore took place in Sudbury in 1948. They have one child, Mrs. Greig was born in Copper Cliff and is the daughter of the late William Cashmore, a 25-year smelter man.

Scotty is taking a full service pension and both he and his wife

are in good health. They live in Sudbury. Their one-time interest in square dancing has been replaced by regular sessions at the bowling alley.

ALBERT MAROZAS

The same "itchy foot" that brought Albert Marozas to Canada from his Lithuanian birthplace in 1929 is starting to tingle again as he takes his full service pension. He and his wife Dot have plans for a trip to Lithuania next year, and after that they expect to move around a lot, including Florida and the Mari-



Mr. and Mrs. Marozas

times. Albert still has relatives in the old country and some of his wife's family still reside in her home town of New Glasgow, Nova Scotia. They were married in 1939 in Sudbury and have three children and five grandchildren.

At home in Levack this couple enjoy dancing as part of their lodge's activities. Albert likes doing woodwork in his basement shop.

Albert farmed in Saskatchewan and worked in bush camps in the Sioux Lookout area before starting with Inco in 1936 at Creighton; since 1939 he has been a miner at Levack.

GERRY GAUTHIER

Gerry Gauthier was born at St. Charles and started with the Company in 1946 at Creighton, where he was a driller for 25 years. Be-



Mr. and Mrs. Gauthier

fore coming to Inco, he worked on construction at Niagara Falls and was also a bus driver in Sudbury.

Married in 1947 to Annette Frappier in Sudbury, he is the father of four children. Mrs. Gauthier also hails from Gerry's home town.

Taking a disability pension with the Company because of a heart condition, Gerry is feeling fine but has to take it easy. He will keep busy as a house contractor, handling about two new units per summer.

The Gauthiers plan to stay in Sudbury at least until the whole family have completed their schooling.

RAY BEACH

With a new house under way in Val Caron and a cottage on the French River, early service pensioner Ray Beach isn't waiting for something to do.

Ray finished up his Inco career as maintenance superintendent at Levack mine. He started with the Company at Creighton in



Mr. and Mrs. Beach

1934, and also worked at the Frood open pit and Garson. He was born in Fort William and worked five years there as a machinist apprentice.

Margaret Harkins, a Copper Cliff girl, became Ray's wife in 1936. They have four children and eight grandchildren. Mrs. Beach's father, the late Thomas Harkins, was a foreman in the Copper Cliff smelter, retiring in 1935.

Both Ray and his wife are enjoying good health and are looking forward to visiting their son who lives in western Canada.

ALVIN LEEMAN

Very few miners can remember seeing horses used underground; less still can say they drove them. Al Leeman can. Before coming to Inco in 1951, Al worked for 22 years in the Timmins goldfield.



Mr. and Mrs. Leeman

When he started there he drove a team, hauling the muck out to the skip. A skittish nag could make for some hair-raising times in the stopes.

Both Al and his wife come from northeastern Ontario, she from Schumacher and he from the Englehart area. Al was born in Medicine Hat, Alberta, but moved east as a boy. His marriage to Phyllis Gregg took place in Timmins in 1938. They have two children and two grandchildren.

Al is taking a disability pension due to a heart condition, but he plans to do some light gardening and plenty of boating at the cottage on McGregor Bay. Residents of Lively, they will remain in the Sudbury area.

NOSS TAYLOR

A back injury sustained in 1941 has culminated in a disability retirement for Noss Taylor. He was a motorman at Frood mine,

mostly on 2800 level, and started with the Company in 1933. Noss was born at Coldwater, Ontario, and was the proprietor of a battery shop in Sudbury for three years before coming to the Company. Married in 1924 to Thelma

Noss Taylor

Glenesk of Smooth Rock Falls, he is the father of four children and four grandchildren. Mrs. Taylor died in 1953.

For recreation, Noss likes reading and pulling for Chicago Black Hawks. Although presently living in Sudbury, he plans to move back to Coldwater this summer. Thinking back over his years with the Company, Noss summed up, "I enjoyed working for Inco — they really looked after me."

CLARENCE ROBSON

Clarence — better known as "Robby" — Robson was a trapper and then worked for the Department of Lands and Forests for eight years in the Kenora area before joining Inco in 1946. Robby



Mr. and Mrs. Robson

spent all his service in the Copper Cliff smelter, and was a baileman in the converter aisle for 18 years. He was born at Whitemouth, west of Winnipeg.

Evelyn Fainer became Robby's wife in 1946 in Sudbury. They have three daughters. Mrs. Robson was born in Ottawa but grew up in Saint John, New Brunswick. Robby enjoys tending the flower and vegetable gardens around his Sudbury home and also likes fishing. Retiring on a disability pension due to a heart condition, he has to take it easy from here on in. The Robsons are seriously considering a change of address to western Canada. They're also thinking about a trip to Holland where Robby would like to renew some old wartime acquaintances.

JIMMY JONES

A cottrell operator in the Copper Cliff smelter, Jimmy Jones



Mr. and Mrs. Jones

started with the Company in 1936. He was born near Winnipeg and worked for five years in lumber camps in northern

Manitoba before coming east to Inco.

Jimmy was married in Sudbury in 1939 to Orvokki Pleuna, who was born in Waters Township. They have two children. Both are enjoying good health at the start of Jimmy's full service pension. They are planning a visit to California where Jimmy has a brother.

JOSEPH LAFRAMBOISE

When Joe Laframboise started with Inco in 1935 at Frood mine, he was switching to nickel-bearing ores after working for two years in a Kirkland Lake gold



Mr. and Mrs. Laframboise

mine. Born in Field, he had previously spent five years as a lumberjack and three as a fireman in Sturgeon Falls.

As well as underground at Frood, Joe's Inco service included Frood open pit, Creighton mine, and his final 10 years at Garson as a carpenter 2nd class.

Joe's wife, the former Mamie Bonin, grew up in Rayside Township, between Levack and Sudbury; they were married in Sudbury in 1938, and have their home there.

Although leaving the Company on a special early service pension and in generally good health, Joe has to respect the restrictions of a mild heart condition. Both he and his wife enjoy fishing and travelling. They plan to repeat a trip made to the Maritimes two years ago.

PHILIP BEAULNE

As the result of injury to his legs in an accident in 1968, Philip Beaulne has called it a day, retiring on disability pension. Born in Blezard Valley, he started with the Company in 1929, broke his



Mr. and Mrs. Beaulne

service in 1942, but returned just 17 days later. He worked at Copper Cliff until 1968 when he transferred to the Coniston transportation department; he was a scale clerk.

Married in Sudbury in 1937 to Simone Pharand of Blezard Valley, Philip is the father of four, and a grandfather of three. Son Bernard is a maintenance mechanic 1st class at Copper Cliff smelter, and daughter Monique will be married this month to copper

refinery machinist 2nd class Claude Marshall.

The Beaulnes will continue living in Sudbury. Although his exercise is presently restricted to short walks, Philip hopes to get back into the right shape to do some fishing and hunting.

CONRAD GENEREUX

A maintenance mechanic at the copper refinery, Connie Genereux is enjoying a full service pension. Born at Bonfield, near North Bay, he worked in the paper mill in



Mr. and Mrs. Genereux

Sturgeon Falls for 11 years before coming to Inco. All 28 years of his service were spent at the copper refinery, and during all but two he was a mechanic working throughout the plant.

Connie married Blanche Perreault at Lavigne in 1935. Mrs. Genereux came originally from St. Theodor, near Montreal. They have nine children and 11 grandchildren. Son Denis is a miner at Garson.

The Genereux live in Hanmer, which suits Connie's favorite pastimes of fishing, hunting and snowmobiling. Mrs. Genereux enjoys growing flowers. "They're a surer thing than fish," she said with a glance at her husband.

Trips to Quebec and western Canada are on the books for the near future for this happy couple.

JOE LEROUX

Retiring on a full service pension Joe Leroux started with Inco in 1944. He worked as a Dore furnaceman in the copper refin-



Mr. and Mrs. Leroux

ery's silver building. Born at Callander, near North Bay, he worked on construction for two years in the Sudbury area before joining the Company.

In 1961, Joe married Mrs. Victoria Rivet in Noelville, thus becoming a father to two, grandfather to 23, and great-grandfather to another 20. Mrs. Leroux is originally from Sturgeon Falls.

The Leroux live in Val Caron but will be moving to Sturgeon Falls. Putting the finishing touches to the house that Joe is building there will give him plenty to do. Mrs. Leroux enjoys sewing, quilting and crocheting. Both are enjoying good health.

The Challenge Is Worldwide

(Continued from Page 6)

trical, instrumentation, and chemical engineering.

Set Uniform Standards

In conjunction with Division Engineering's design staffs, the Design Section in Central Engineering is consolidating Inco engineering standards and standard specifications to facilitate the solution of repetitive engineering problems.

The third section of Central Engineering is the Services Section which includes estimating and cost control, planning and scheduling, contract administration, and office administration. Capital cost estimates and project schedules are prepared to assist in evaluating the economics of proposed new projects. Estimating prepares the estimate for each project, and the monitoring and cost reporting are performed by the cost control group. The responsibilities of the planning and scheduling group include ensuring that activities on the project are scheduled and progress is monitored. Contract administration is responsible for developing the most suitable contract arrangements with outside engineers and contractors. It reviews engineering documents to ensure that technical and commercial aspects are compatible, and administers contract changes during the progress of a job.

As International Nickel expands and faces new challenges, engineering activities will take on even greater importance in providing one of the essential auxiliary activities required to support the Company's operations in Canada and throughout the world.

Super-Stack

(Continued from Page 15)

liner through the working platform to the full height of the stack, providing access to the platform and to the stack-top sheaves for regular daily maintenance inspection.

When the huge stack is in operation the liner will be stretched upward by about four feet due to heat expansion at operating temperatures — in the range of 450° F. The world's highest chimney, it will then reach its total towering height of 1,254 feet.

Close Quarters at Top

In charge of liner assembly and installation, Dominion Bridge general foreman Johnny MacWilliams described the hoisting and anchoring of the first "can" as "a tricky business that went as well as we figured it would". An added complication was provided by the two sets of 12 stabilizing buffers that circle the inside of the stack 10 feet and 80 feet

At 12th Annual Levack-Onaping Highlights Concert



Levack's talented Zubac family sang "Tum Balalayka", an Israeli folk song. In the back are Diana and Angela, while in front are guitarist Zandra and Mrs. Rita Zubac. Diana and Angela both won scholarships and trophies individually, Diana for piano and Angela for voice.



Accordianist Roy Madalvee, 15, of Sudbury, whose father Helmut works in the Copper Cliff mill, was the adjudicator's choice for best all-around musician. He got the highest marks for accordion. Here he receives the Inco scholarship from area mines superintendent Dave Lennie.



The voices of the junior choir from Trinity United Church, Lively, charmed the audience with "Twas in the Moon of Wintertime". The young choir was directed by Mrs. Carol Butler.

from the top. "There was just three inches of clearance between the buffers and the liner," said Johnny. "That's not much leeway when you're hoisting something almost as big as a two-storey house." The buffers will be adjusted finally to limit horizontal movement of the liner top to one inch.

Nearly half of the complicated additional flue system and support structures that will help carry plant gases to the stack have now been erected, and the installation of pre-insulated corrugated stainless steel flue wrapping is also well under way. An ingenious travelling rig that straddles the flue was especially designed to speed up this phase of the flue construction. Almost two-thirds of a mile of new flue, mostly 22 feet in diameter, will be erected.

There is a theory that if you drink enough prune juice you won't get a cold. The scientific basis to this is that you'll never be outside long enough to catch one.

It Was "Make or Break"

A large, appreciative audience turned out for the 17-number Highlights Concert and awards presentations that topped off the annual Levack-Onaping Music Festival, a three-day event held at the Onaping Community Centre. Nine trophies and 15 scholarships were presented to competitors during the highlights evening.

This year's version of the festival, the 12th sponsored by the Levack-Onaping Lions Club, was described as a "make or break" event by some of those attending. Poor participation by district schools had caused a dramatic decline in the number of entries, and the value of continuing was being seriously questioned. Happily, this year's performances reversed the trend and over 300 entries took part in a versatile gathering of talent.

Dr. David Ouchterlony, principal of the Toronto Royal Conservatory of Music, was the adjudicator and complimented the organizers on a high calibre festival.

He said it attracted a well-rounded musical representation and should be strongly encouraged by the community in the future. He advised contestants to take ample time to prepare for festivals and concerts, and to know their music well.

The hard-working festival committee, headed by Mrs. Kaireen Crichton, Mrs. Sheila Sorenson, Mrs. Barbara van Raadshooven, Mrs. Vera Terry and Mrs. Harriet Chmara, said the show will go on again next year; they were optimistic that the momentum of this year's success will carry over. Vit Bunkis was the Lions Club music representative and Jim MacCoy the emcee for the Highlights Concert.

Originally conceived as a local event, the Levack-Onaping festival now embraces a wide region. Some entries this year came from Hanmer, Val Caron, Lively, Garson, Creighton, Sudbury, and as far away as Whitefish, Espanola and Massey.

Appointments

The following appointments have been announced in the Ontario Division:

Donald Phipps, senior research geologist, Copper Cliff.

W. H. Buchanan, superintendent, Separation and Sintering Department;

J. F. Noonan, superintendent of Safety (Processing);

R. Tate, area geologist, Frood-Stobie and Little Stobie Mines;

G. C. Davis, area geologist, Murray, Clarabelle Open Pit, Copper Cliff North and Copper Cliff South Mines;

H. M. Brownell, staff geologist;

N. Fortin, mine geologist, Shebandowan Mine;

D. L. Brown, assistant mine geologist, Copper Cliff South Mine;

D. L. McLeod, assistant mine geologist, Little Stobie Mine.

The Industrial Relations Section has been restructured to provide for a further improvement in the Company's continuing emphasis in the function of labor and employee relations. The following appointments have been made:

H. L. Meredith, assistant to the superintendent;

W. L. McIntosh, area supervisor, Copper Cliff Complex, including Clarabelle Mill;

W. T. Hallbourg, area supervisor, Frood-Stobie, Garson and Kirkwood Mines and Coniston Smelter.

A. M. McCauley, area supervisor, Creighton, Crean Hill, Cop-

Visitor from Clydach



A recent visitor at Copper Cliff, Dr. Lindsay Morgan (left) is chief medical officer of International Nickel Limited, London, England. He is seen chatting with G. O. Machum, assistant general manager (processing) during the intermission at the Parker Shield first aid contest on April 29, in which he showed keen interest, remarking on the high competence of the two teams, Port Colborne and Levack. At Clydach Dr. Morgan succeeded his retired father, Dr. Gwynne Morgan, who on March 3 was invested as a Knight of the Order of St. John of Jerusalem by Her Majesty the Queen at Buckingham Palace.

Four Old-Timers Honored at Smelter Group's Dinner Dance



No. 2 Shift Pension and Welfare Association at Copper Cliff smelter held a greatly enjoyed dinner dance at the Caruso Club in Sudbury to honor four of their recently retired workmates, Wally Calvert, Jack Hamilton, Peter Semezy and Albert Signoretti, who had a combined Inco service of over 132 years. Shown during a break in the festivities are some of the association's executive and their wives along with three other couples: in the back row are treasurer Ed Forget and wife, Jeannine, Annette and Claude Duguay, Joyce and Clayton Smeltzer, and Rita and Harold Laffoley; seated are president Rhea Levesque and wife Mel, and Marlene Mallette with husband Marcel, the association secretary.

per Cliff North, Copper Cliff South and Murray Mines, Iron Ore Plant, Copper Refinery, and Copper Cliff Nickel Refinery.

W. J. Gorchinsky, area supervisor, Levack and Coleman Mines.

Levack Curling Rink To Get Sprucing Up

Extensive alterations and improvements will be carried out at Levack Curling Club for next season, it was announced at the annual dinner and presentations of trophies and prizes for the season just closed.

Frank Corkal was elected president succeeding Harvey Nadeau, George Keast is vice-president, and Barry Nicholson secretary-treasurer.

Winning teams in the regular club events during the season received awards as follows:

Piaskoski Event (Consols): skip Bud Rodd, Stan Zamojski, Ron Matte, Dick Macdonald; runners-up, skip Dr. Charles Jessop, Alex Didur, Mel Corkal, Bob Langstaff.

Palumbo Event: skip Mel Corkal, Harry Tuer, Hank Sonksen, Tony Dwyer; runners-up, skip Ernie Hilton, Ernie Beaudry, Clair Pressey, Bill Strand.

President's Event: skip Stan Zamojski, Jim MacCoy, Darly Dominic, John Boden; runners-up, skip Ernie Hilton, Bob Langstaff, Ron Poirier, Ed Shalla.

Cochrane-Dunlop Event: skip Al Ryter, Harvey Judges, Jim Beres, Guy Quesnell; runners-up, skip Fred Spencer, Bill Brown, Steve Lamoureux, John Boden.

Colts Event: skip Ted Atkinson, R. Parise, Fred Spencer; runners-up, skip E. Beaudry, R. Hunter, G. Filiatreault, B. Rodd.

Presses and Stores Took Trophies



Top bananas at the end of the usual hotly contested schedule in the Port Colborne Nickel Refinery's 10-pin league were the Presses team, shown above: front, Gord Hurst, Gary Grondin, Carlo Martine; back, Gilles Gagnon, Jerry LaCroix, George Garner, John Cormier. Trophies were presented by Charles Ott and pensioner Earle Lambert at the league's annual banquet at the Star Hotel. Reg Breton and Glen Roach tied for the high triple award with 608, Vic Lynden had high single, 285, and Pete Grondin high average, 179. Larry Roach was re-elected president for next season.

Playoff champs of the Port league were the Stores team: front, Earl Kiemle, Walter Ruzycski, Vic Lynden; back, John Marshall, Larry Roach, Royal Methot; not shown, Rolly Methot, Lodie Chmelosky. 'B' playoff champs were Anodes: Hank Boyer, Louis Ordon, Jack Bidgood, Glen Roach, Gene Kowalsky, George Stepanchuk.



Big Evening in Store for Quarter Century Club June 17

James C. Parlee, senior executive vice-president of International Nickel, will be the featured speaker at the 22nd annual banquet of the Inco Quarter Century Club, to be held in the Sudbury Arena next Thursday evening, June 17.

Mr. Parlee will in his address give the big audience a broad review of the Company's activities and prospects for the future. He will be introduced by John McCreedy, vice-president and general manager of the Ontario Division.

The women's associations of two Sudbury churches, St. Andrew's and St. Paul's, will again be in charge of catering the dinner of fried chicken and all the trimmings. Upwards of 2,500 people, including the 123 new members in the Quarter Century Club's "Class of 1971", will gather from all points in the Sudbury District for this great annual get-together of Inco long-service employees.

The stage show will as usual feature the best available talent from the exhibition and night-club circuits. Some of the stellar acts are shown in the accompanying pictures.

An engaging group with lots of showmanship, the Almiros Trio get top billing all over the North American continent and in Europe with their acrobatic juggling combined with comedy plate spinning. They have appeared on all the big television shows.



Peggy Jackson is a sensational limbo dancer who goes under the rod in an unbelievably small space.



Dave Broadfoot, a fast man with the gags, is well-known on Canadian television for his comedy and political satire.



Two beautiful girls with a tremendous repertoire of popular, classical, gypsy or Continental music, Edith Eaton and Florence Hansen combine accordion and violin in a memorable experience in rich harmony.

A GLADSOME TIME

The signs of Spring: the ice is gone,
The lake is like a sea of diamonds
Sparkling in the sun, a robin hops across the lawn.
I watch the hedge of Bridal Wreath to see if Winter's storms
Have hurt the tiny buds. But no, the buds are showing green
And, as I turn away I feel so good, much happiness flows through me.
The ponds of water left by melting snow,
Small boys with marbles bulging out their pockets,
Small girls with skipping ropes.
All these are signs of Spring that never seem to change.
It's good. It's Spring!

— Dorothy Ibbotson
Sudbury



The Trampchamps, Canada's top trampoline artists, performed in the CNE grandstand show last summer.

Led Morrison Shift Champions at IORP

Big grins adorn the countenances of the three winning teams in the Morrison Shift bowling loop at the Iron Ore Plant: John Collin, maestro of the league champs, league president Russell Gardner of the "A" division victors, and Lloyd Vincent of "B" division champs. Enzo Forani was secretary and Benny Cusack treasurer of the league, which held a closing banquet at Lively Legion Hall with the wives as guests. The winners will play off with the league leaders from the Pete Jack and Ed Pandke Shifts for the Iron Ore Plant championship.



Sudbury Girl In Ice Show

What little girl doesn't dream of frilly dreams? But how many little girls get to live out their daydreams? Eighteen-year-old Connie Fraser of Sudbury is one of these lucky lasses, but it took 13 years and an awful lot of skating to make the grade. Connie joined the Holiday on Ice show last summer. She skates in the chorus in six different production numbers, wearing the kind of costumes that all little girls dream about at one time or another.

"On opening night, I fell and got all tangled up in my costume, but I recovered and got back into line," she recounted during a brief



Connie Fraser in one of her dazzling Holiday on Ice costumes.

visit with her parents in Sudbury. She is the daughter of Gary and Mabel Fraser. Her dad is a crane-man in the Copper Cliff smelter casting building.

By the time a skater achieves professional status, a fall, although never enjoyed, is old hat. And Connie has had her share. She has been skating since she was 5, and began figure skating at age 13 when she joined the Copper Cliff and Sudbury Skating Clubs. A tremendous amount of personal effort, combined with the skilful teaching of Sudburian Joyce Salo McKenzie and the husband and wife team of Pam and Horst Ponikau, has brought her under the spotlights. The former trained her in tests and figures, the latter taught her the intricacies of show skating.

It's a Rugged Life

The professional skaters' public is often so engrossed with the dazzling glitter of the smoothly polished routines that it can't conceive of show skating as being a difficult and pressured profession. A glance at a season schedule, however, reveals a rigorous itinerary built around a tight

WATER SAFETY WEEK

In publicizing Red Cross Safety Week the Canadian Red Cross Society issued these directions for mouth-to-mouth rescue breathing. Why not clip out the chart, paste it on a card, and hang it at your camp so that members of your family and guests will be familiar with the procedure. It may save a life some day.



Open airway by lifting neck with one hand and tilting the head back with the other hand.



Pinch nostrils to prevent air leakage. Maintain open airway by keeping the neck elevated.



Seal your mouth tightly around the victim's mouth and blow in. The victim's chest should rise.



Remove mouth. Release nostrils. Listen for air escaping from lungs. Watch for chest to fall.

REPEAT LAST THREE STEPS TWELVE TO FIFTEEN TIMES PER MINUTE.

IF AIR PASSAGES ARE NOT OPEN: Check neck and head positions, CLEAR mouth and throat of foreign substances.

For infants and children, cover entire mouth and nose with your mouth. Use small puffs of air about 20 times per minute.

USE RESCUE BREATHING when persons have stopped breathing as a result of: DROWNING, CHOKING, ELECTRIC SHOCK, HEART ATTACK, SUFFOCATION and GAS POISONING.

Don't give up. Send someone for a doctor. Continue until medical help arrives or breathing is restored.

timetable. By season's end last month, Connie had played 32 cities during the 10-month year. With the exception of the last month-long engagement in Mexico City, all of the performances were in the United States.

Connie plans to stay with Holiday on Ice but hopes to join the troupe which plays the European circuit. Later still, she plans to go back to school to fulfil another dream — she really wants to be a kindergarten teacher.

Increase Reserved Scholarships to 19

The number of reserved scholarships available to children of Inco employees has been increased to 19 in the Company's 1971 aid-to-education program, it has been announced by Executive Vice-President Edward Grubb.

Sons and daughters are eligible to apply for these awards providing they are enrolled in a full program of studies required for university entrance and will graduate with a Secondary School diploma during 1971. The scholarships may be renewed for three additional years or until graduation, whichever is the shorter period, providing university academic and conduct requirements are satisfied. No restrictions are placed on choice of university or field of study.

Each award provides the cost of tuition and associated fees for the current academic year, and a grant of \$500 towards personal expenses. It also includes a cost-of education supplement for the department of the university in which the student is enrolled.

Application forms may be obtained from local schools or from the Administrator of Educational Affairs, International Nickel, Box 44, Toronto-Dominion Centre, Toronto 111.

Desk sign: "Things to do Today." 1. Get organized. 2. Talk to wife. 3. Get reorganized.

Lively Mixed League Toasts Its Winners

Winding up its 17th season, the Lively mixed bowling league feted its top bowlers at a lively dinner dance held at the Canadian Legion Hall. Larry Coderre smoothly handled the emcee duties.

Winners at the end of regular schedule play were the team cap-

tained by league president Roy Couillard, composed of Joyce Bell, Dave Scott, Bunny Larouche, and Cele and Bill MacAlpine. This same team were also victorious in their division in the post-season playoffs.

Champ team in the "B" division of the playoffs were Doug (captain) and Pat Pappin, Rusty Dubery, Esther Curry, and Allie and Gerald Rivers.

Replacing Trees Torn Up By Hurricane



Continuing a long-established program of beautifying Company locations in the Sudbury area, Inco's Agricultural Department enjoyed fine spring weather during its annual tree-planting activities.

Seen above on the job at the Lively golf course, replacing trees uprooted by the hurricane that hit the town last summer, are grounds supervisor Don Young and summer student employees Mike Peters and Gerry Burnham. Passing golfers who stopped by to do a little "sidewalk superintending" are Iris Hunter and Ida Laplante.

Departing from past practice of

planting 2- to 3-year old trees, this year the department has selected husky 10-year-old specimens with string-balled roots that weigh between 300 and 400 pounds. "They are harder to handle but there's little setback to the growth with this method," said agriculturist Clare Young. "We expect an improved survival rate."

The trees shown are green ash, a fast-growing shade variety that flourishes in the northern latitudes.

The only thing that can go out every night and still be bright the next day is a light bulb.

Cost Increases Curb Expansion

International Nickel announced May 20 that it has suspended expansion of its Iron Ore Recovery Plant and cancelled plans for the construction of a 700,000-ton-per-year sulphuric acid plant.

The acid plant was to have been an addition to the existing annual acid production capacity of 85,000 tons, and was to have served to meet the air quality objectives of the Ontario Government at this site. The Government's objectives will instead be met by cutting back on the quantity of pyrrhotite treated in the Iron Ore Plant. By moderately decreasing the production of iron ore, the Company will be able to meet its obligations with respect to sulphur dioxide emission from this facility as set forth in the order issued by the Ontario Government in July, 1970.

Severe increases in construction costs, prospective operating costs, and additional anti-pollution costs not originally required for the two projects, necessitated the decisions to discontinue them, the Company stated.

At their peak the two projects would have involved some 750 construction jobs, although only about 150 men were currently employed on the expansion of the iron ore plant, and construction on the acid plant had not begun. No lay-offs were expected as the construction workers would be absorbed in other Inco expansion projects in the area.

Construction continues on Inco's 1,250-foot stack, the highest in the world, and related pollution control facilities. The stack will become operational late this year or early in 1972.

This project, now estimated to cost \$22-million, will effectively diffuse gases from the Company's Smelter complex and assure that air in the Sudbury area will be cleaner than in any other industrial area in the province.

31% of Inco's Shares Are Held by Canadians

Canadians representing a broad cross-section of the population own 31% or about \$1-billion worth of shares in The International Nickel Company of Canada, Limited.

The investment is described by chairman Henry S. Wingate as the largest dollar stake held by Canadian investors in any Canadian-based company other than in Bell Canada.

Individuals in many walks of life have personal holdings ranging upward from just a few shares to the largest single shareholder, who has \$4-million worth of stock. Their concern in the success and stability of the Company's operations is shared by the thousands whose personal savings are involved in the blocks of shares held by various investment trusts and insurance companies.

About 55% of Inco's equity is held by Americans. Residents of Canada comprise the largest number of individual shareholders, representing 55% of shareholders. Mr. Wingate said Canadian shareholders work out to the equivalent of 1.5 shares per person in Canada.

One tree can make a million matches. One match can destroy a million trees.

Sin would have few takers if its consequences occurred immediately.

Finnish Parliamentarians in Sudbury Area

Guests of the Federal Government during an eight-day goodwill and get-acquainted visit to Canada, a delegation of seven members of the parliament of Finland travelled to Sudbury during a tour that also took them to Ottawa, Toronto, Montreal, Hamilton and Thessalon. While in Sudbury the delegation were entertained at Laurentian University, and attended a reception at the President Hotel where they met many members of Sudbury's Finnish community.

They wound up their local visit by viewing Inco's Copper Cliff plant and the underground opera-



tions at Creighton No. 3 Mine. Shown being outfitted by area safety supervisor Ed Sirkka prior to their ride down the mine ramp are prominent parliamentarians Esko Niskanen, Paavo Aitto, and Jaakko Hissa.

Antique Steamer Returned to "Port"



Steam cars have been in the news a good deal lately. Anti-pollutionists have sensibly suggested that they could be a cure for the city "blues".

Arising like a ghost from the past, as if to confirm the wisdom of its maker, a one-of-a-kind steam buggy built in Humberstone by one Abraham Harton Benton Neff in 1897 made a triumphant return last year to its birthplace, now part of Port Colborne.

Discovered at Pearson's Auto Wreckers in Dunnville in 1953 by antique car buff Nelson Holmwood, the sadly deteriorated vehicle was shipped to Laguna Beach, California, where it was painstakingly restored to mint condition by the collector.

While on display during the 1970 Annual Canadian Antique Car Club meet in Toronto, the car was spotted by the eagle eye of Charles Ott, assistant to the manager at the Port Colborne Nickel Refinery, who made the

necessary arrangements for its visit to the Port.

She'll Go Over 40

Powered by a twin cylinder 2½-hp motor, and using naphtha gas for fuel, the buggy has reached speeds of 40 mph plus. "It would probably go faster," said its owner, "but the sensitive tiller-type steering makes it hard to control."

The car boasts a true differential, has forward, neutral, and reverse gears, and pneumatic tires. Used steam is exhausted to atmosphere and not recycled through a condenser as was the later custom.

Seen at the tiller beside passenger Charles Ott, Nelson Holmwood observed that the hubs and rims of the original wheels were nickel plated back in 1897. "There was not a spot of rust on them," he said with a grin as he affectionately patted his steed. "She sure lived a long time to prove a point for International Nickel."

Happy Stars of Creighton Boys Hockey

Laden with loot and full of beans were these stand-out performers in Creighton Mine Athletic Association's minor hockey league at its wind-up banquet at the Employees Club, attended by 165. Under the leadership of Mrs. Ida Groulx, the sumptuous dinner was served by a group of mothers and teen-agers. In front are Eddie Romaniszyn, voted best goalie; captain Frank Giebe of Toronto, playoff champs; captain Steve Wilson of Boston, league champs. In back are Norman Groulx, voted best defenceman, and Michael Zyma, league high scorer. Coaches for the season were Gerry Potvin, Chicago; Enri DiFilippo, Montreal; Tom Wildon, Boston; and Lacey Culi, Chicago; Munroe Smith and Bill Dumencu ran the enthusiastic league.

