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A Perfect End to the Season

(Story on Page 2)



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Great Strides in Product Research, Market Growth

Anticipating the expansion in the world supply of nickel and recognizing the long lead time required to develop important markets, International Nickel went forward during 1965 with its product research, market development and sales promotion activities.

A research achievement of the past year was the Company's development, to the pilot plant stage, of a process for continuously coating steel with nickel. The nickel is applied in the form of a slurry containing nickel powder and is dried and sintered to the surface of steel sheet or strip. The new process will provide manufacturers with a coated steel product having corrosion resistance and other advantages. The development could open an entirely new market for nickel in powder form.

New Age-Hardening Steel

A new high-strength age-hardening steel containing copper and 1 per cent nickel, which was developed in the Company's laboratories, found its first commercial application. This new steel, with its unique fabricability and simplicity of heat treatment, is expected to contribute to the trend towards the design of structures of higher strength and lower weight.

The family of nickel maraging steels continued to show very satisfactory growth. New application for these steels ranged from die-casting dies to spectacular missile booster cases. The Company also continued research looking to the development of even higher strength properties for maraging steels.

At the same time, the Company continued to promote 9 per cent nickel steel for cryogenic use. New markets for this steel, also the result of International Nickel research, are being opened with recent advances in the use of liquefied nitrogen gas as refrigerant for freezing and shipping food products. In addition, facilities for the storage of liquid natural gas to meet peak demands, and for the transportation of liquefied natural gas from areas of surplus to fuel-short areas, provided increased markets for this steel.

Other market development activities in 1965 were directed toward the use of copper-nickel alloys in land-based and shipboard plants for the conversion of salt water into fresh water. Desalination, as well as the increasingly important worldwide programs planned for

underwater exploration and for the establishment of complex undersea communications systems, highlighted the importance of reliable information on the behavior of alloys in sea water. The technical information concerning nickel alloys in this environment, accumulated over many years at the Company's Harbor Island Corrosion Laboratory in North Carolina, is proving particularly valuable.

Nuclear Power Development

Another promising field for large amounts of nickel is in nuclear power plants. During the year, nuclear power plants were under construction in the United Kingdom, the Benelux countries, West Germany, Italy, Spain, Sweden and Switzerland, as well as in the United States and Canada. These plants utilize reactor systems which make wide use of nickel stainless steels and nickel-chromium alloys.

An example of the Company's promotional activities is its comprehensive program in the United States designed to establish a preferred position for stainless steel architectural products. This program in 1965 included the publication of guide specifications for windows and curtain walls, the distribution to major architectural firms of the first of a four-volume architect's library containing samples of various finishes, and a series of symposia attended by architects and fabricators.

Corporate Identification

During the year, the name International Nickel was made part of the corporate names of its market development companies in Europe, Africa, Asia and Australasia in order to identify them more closely with the Company. In the order of their founding, they are located in France, West Germany, Belgium, Italy, India, Switzerland, South Africa, Australia, Spain and, early in 1966, Sweden.

Vincent Perko

Vincent Perko, recently retired from Copper Cliff smelter on early service pension after 27 years with Inco, was born in 1901 in the small Czechoslovakian town of Orkucany, which, literally translated, means "the village of one well".

By 1928, the 60-acre family farm was too small and Vincent decided to try his luck in Canada. In 1937 Vincent joined Inco as a binman on the receiving bins, then in 1954



Mr. and Mrs. Perko

transferred to the concentrator where he spent the rest of his time with the Company as a filter operator.

Vincent was married in 1925 to Helen Pauli, who died in 1940, leaving him with one son, Andy, a feederman at the Copper Cliff smelter. Married again in 1950 to Mrs. Florence Haggerty, Vincent not only gained a wife but also a daughter, Audrey, who is the wife of Gerald Bradley, transportation department clerk at Copper Cliff.

Two grandchildren complete Vincent's family.

Not quite as fit as he would like to be, Vincent is saving his energy for the time when the grass turns green, and he can get out into his garden and work in the good earth. "I used to be quite a fisherman," said he with a sigh, "but now about the only fishing I do is at the supermarket."

Centennial Library Copper Cliff Project

A new public library has been announced by the Town of Copper Cliff as its Centennial project.

Citizens of the town received this welcome news in a circular letter jointly signed by the mayor, R. G.

Dow, and the chairman of the Centennial committee, Donald B. Taylor, and delivered to each home by the Boy Scouts.

The new library will have a convenient central location, the vacant property bounded by

Market and Balsam Streets and the Garrow Road. Its cost will be in the neighborhood of \$75,000, toward which the provincial and federal governments will each contribute grants of \$1.00 per capita. The Town of Copper Cliff will make a grant of some \$7,200, and the International Nickel Company will donate \$61,000.

"The money available will build the building," the announcement stated, "but it is hoped that individuals and groups within our Town will see fit to participate in this Centennial project by contributing towards the furnishing and equipping of this library of ours, thus making it a true community project."

A public meeting will be held to discuss ways and means of making the Centennial project "a meaningful occurrence in the history of our Town and Country." Copper Cliff public library has the largest per capita circulation of any library in Ontario, the announcement said. Existing facilities, in quarters above the municipal offices, are being used far in excess of their capacity. The new library will provide adequate service for years to come.

The Centennial library will be owned and operated by the Copper Cliff public board, of which the following are members: A. D. Crossgrove, chairman; T. H. Peters, secretary-treasurer; G. Wilkinson, Mrs. S. D. Gemmell, Harold Bruce, A. G. Orr. Mr. Peters is also chairman of the north central regional board of the provincial library services.

Popular librarian of the Copper Cliff public library is Miss Edith Holden, who has filled this posi-

tion with distinction since February 1958.

The Front Cover

"A Perfect End To The Season"

Second man Harvey Nadeau dropped to his knees and spread his arms in benediction. "Bless them all," he intoned reverently, his eyes feasting on the eight gleaming stones that sat safely in the house.

The other members of the rink, lead Wallace Campbell, vice-skip George Curry, and skip Al Ryter stood alongside in attitudes of great joy, for their 8-ender was the first in the 14-year history of the Levack curling club's men's section. The historic scene is duly immortalized on the front cover of this issue of the Triangle.

Their "full house" brought the curling season to "a perfect end" for Al Ryter and his mates. It qualified them for a three-way playoff for the President's Cup against Matti Tuomi and Mel Corkal, but win or lose in that series they've already had their big thrill.

On the other hand their victims, Ed Kauppinen's rink, are doing their best to forget the whole thing.

One other 8-ender has been recorded at the Levack club: Jean Koski skipped her rink to the big score back in 1964.

An 8-ender was scored at the Copper Cliff curling club this year by skip Tom Meehan, Stan Dutchburn and Reg Johnson. Short a lead man they threw three rocks apiece to rack up a perfect count against Fred Cooper of the Copper Refinery, who was so unnerved by the deluge that he swallowed his cigar.

Skip Don Harry was again in the news as another bumper curling season came to a close at Copper Cliff. With strong backing from Joe Sauve, Teedy Leclair and Doug Gathercole he won the City of Sudbury championship in a series against the crack Sudbury curling club skip, John Bell. The Harry rink, with Larry Martel returning as lead, also won top honors in the annual post-season bonspiel.

"713C"

Today the aircraft industry uses the gas turbine engine as a major power-producing system. And the automotive industry too is beginning to utilize this power source.

Yet only 30 years ago the development of a practical gas turbine engine was held back because existing materials could not meet the high-temperature strength requirements of turbine blades and other components.

Now there are available materials that retain their high strength at elevated temperatures . . . "super alloys" like 713C, a high nickel alloy developed by International Nickel.

Nickel provides the base which permits this alloy to withstand temperatures up to 1800 degrees and provides great strength and oxidation resistance.

This high-nickel alloy is another example of what is meant by the slogan "Nickel . . . its contribution is quality!"



Donald B. Taylor

INCO FAMILY ALBUM



A powderman on the 3200 level at Levack mine, Drago Nikitovic and his family live in the town of Dawling. Drago came to Canada and Inco in 1950, met and married Jovanka Chuk in 1957, and now has three delightful little daughters, Mara, 6, Anka, 3, and Olga, 4.



Paul Billey, who came to Thompson from Dauphin in July 1962, operates the narrow gauge trolley at the Inco refinery. Carpentry is his hobby and he did a fine job on the rumpus room at his home at 76 Mallard. Here he is with his wife Sylvia and their kiddies, Valerie, 6, Rose Marie, 15 months, and Judy, 8.

This picture of Max and Mary Matte and brood was taken while Max was working at Creighton mine on exploration diamond drilling. An Inco man since 1947, Max has since returned to Crean Hill mine as safety engineer. The three pretty little damsels completing the picture are Debbie, 12, Marie, 10, and Jo-Anne, 5.



From Copper Cliff this month we have Mauno and Aino Linna and their family. An Incoite since he came from Finland in 1952, Mauno is a helper on the mill's pyrrhotite storage pond dredge. Shown with their proud parents are; Helen, 15, Jaako, 18, and Miriam, 10.



A first aid man at Crean Hill mine, Fred Rams has worked for Inco since 1952. One of the four families living adjacent to the mine, the Rams report that it's just the place for a family like theirs that enjoys winter sports; summers are pretty nice out there too. The children are; Lester, 10, Gary, 4, and Shirley, 12.

When the Zloczewski family came to Canada in 1948, there was only John, his wife Anna, and their daughter Anita. The three happy additions in the back row who have come along since are Alexandra, 7, Mary, 11, and Peter, 13. John is a chute blaster at Stobie mine where he has worked for 16 years.



Tom and June Christoff of Port Colborne are both enthusiastic about curling and golf, but their big interest in life is their three attractive children, Cheryl Ann, 11, Theodore, 8, and Cathy Lynn, 7. Tom is assistant electrical superintendent at the Nickel Refinery.



In his underground "studio" on 3200 level at Creighton mine, Charles Paxy works on another shield to be presented as a safety award. He has made more than 100 of these hand-carved trophies for Inco's safety department.

Miners Are Favorite Models of Creighton's "Sculptor of the Stopes"

The fine arts would have suffered a sad loss if Creighton miner Charles Paxy had maintained the family tradition of professional soldiering. But his sensitive hands were more suited to the whittling knife than the sword, and while yet a youngster he found great satisfaction in fashioning toys for himself and his brother from the material that was to fill such a great part of his life, wood. He astonished his teacher and his family with his skill.

Born in Hungary's mountain province of Szekely, in 1916, Charles graduated from the Ludouika Military Academy in 1939, served in the last year, and afterward settled in Germany rather than return to a communist Hungary. Work and money were scarce, and he carved ladies' shoes of wood and traded them for food.

Soon he produced other wooden figures — people, animals, scenes and crests — and finally one of his favorite carvings, a Hungarian peasant girl, was sold in Munich for cash. He was on his way!

Recognition and success came to him when he turned his interest to religious carvings after being inspired during a visit to Oberammergau, the home of Germany's famous Passion Play. One of his first crucifixes sold for 300 marks, enough, he recalls, to buy a couple of pounds of butter. Orders commenced coming in from all over Germany, and he became established as a wood carver with his own little factory.

But the competition was strong and the returns were a good deal longer on artistic satisfaction than they were on cash, so Charles decided to seek a better living and

more security for his family in Canada.

He started as a pipettier at Creighton mine in 1952, and in his spare time gave full play to the many facets of his remarkable talent in carving, painting, and clay sculpture. Lively local interest and admiration was soon aroused by his artistic creations.

After a foot injury in 1960 he was established in a well-equipped workshop in the refuge station on the 3200 level, and since then has provided the safety department with more than 120 carved safety awards and shields, notable among them being the magnificent All Mines Safety Award and the dramatic McCreedy trophy for mine rescue team competition.

Always ready to accept a challenge, Charles eagerly tackled a commission to paint a mural at Pius 10th Roman Catholic Church in Lively. "It was the biggest painting I had ever attempted," he confided. "It's 32 feet wide by 18 feet high, and I painted it behind a burlap screen that was barely



This massive trophy, carved in solid redwood and depicting an underground mining operation, was sculpted by Paxy in 1962 at the request of the safety department for the new All Mines Safety Award. Needless to say it is highly prized for its artistic as well as its symbolic value.



On one of his visits to Creighton mine, Inco chairman Henry S. Wingate was presented by superintendent Earl Mumford with a pair of bookends carved in redwood by Paxy. In a letter of appreciation the chairman warmly complimented the Creighton artist on his work and said the bookends occupy a place of honor in his office in New York.

four feet from the wall. I couldn't step back to take a long look at my work until it was completed."

The Paxy home on Jeanne D'Arc Street in Sudbury is enhanced by many of the exquisitely beautiful carvings by the master craftsman, some of them from the early Paxy period when he produced the most intricate subjects in the finest detail. Charles agrees that since those days his style has become more bold and forceful. His carvings of miners expertly capture the dramatic action of many a familiar underground scene.

Intimately experienced with the grains and the moods of redwood, gum good, basswood, mahogany, walnut, pine, applewood and many others, but always ready to try a new material, he is currently inter-

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Another facet of Charles Paxy's talent is his skill with the brush. He painted this striking religious mural for Pius 10th Roman Catholic Church in Lively. The largest painting he has ever attempted, it measures 32 feet wide by 18 feet high.



A mine rescue team, wearing breathing apparatus, comes to the aid of a comrade in this dramatic group sculpted by Charles Paxy for Inco mines manager John McCreedy, who presented it for annual competition among mine rescue teams.

"Holly" Hyland

The big smile, the blue hard hat, and the infectious laugh of Horace ("Holly") Hyland will be missed from the Copper Cliff reduction plants scene. With nearly 46 Inco years behind him, "Holly" has elected to retire on early service pension.

Born in 1903, in North Gower, near Ottawa, "Holly" started his first job when he joined the Company in 1917 as a messenger in the general office at Copper Cliff, working alongside Dalton Owens and Howard Fletcher. A year in that capacity was followed by a year in the warehouse and then a year in the blueprint room of the general engineering department where he worked for E. Horton Jones, chief engineer.



Mrs. Hyland



A happy "Holly" receives the good wishes of Jim Metcalf and Don Ripley at his retirement party.

In 1920, "Holly" became an apprentice in the machine shop, and some 15 years later moved to the converter building as mechanical foreman. He was promoted to mechanical department general foreman in 1955, and retired in that capacity. From 1956 to 1959 he was mechanical foreman at the Iron Ore Plant.

The boys of the mechanical department held a stag for "Holly" at the Italian Club, and during the evening he was presented with a powerful skill saw, an engraved clock and barometer set, complete with optional calendar, and a model of an old-time, back-breaking, hand-powered hoist with



Two mechanical department stalwarts, Tref Sauve and Johnny Taitanen, share "Holly's" enjoyment of an "art" calendar presented to him as a gag.



Among "Holly's" retirement gifts was a model of a hand-cranked hoist that haunted his early days in the mechanical department. Barney Hamilton shares in the joke.

which he was only too familiar in days gone by.

An all-round sportsman, many will remember "Holly's" prowess on the ball diamond, as a hockey player, and as a curler.

He and Dorothy Hogan were married in 1937, and have a family of two; son Lyn is a member of a Sudbury real estate firm and, daughter Susanne is in nursing training at St. Michael's Hospital in Toronto.

After facing and solving mechanical problems for most of his working life, "Holly" will miss the daily challenge and the mental brain teasers. To take their place he has acquired a little personal mechanical equipment in the form of a half-ton truck and a snow buggy, which will no doubt require his expert ministrations at their innermost working parts.

Even if they refuse to go on the hummer, it's a sure bet that he will have them apart anyway, just to make sure — as always — that things are running smoothly. Between that, his power tools, and his camp at Long Lake, "Holly" expects to be pleasantly occupied for many years of well-earned retirement.

Charles Paxy

(Continued from Page 4)

ested in maple rock. "It's a very light pumice stone and has a very pleasing grain," he said as he worked with his knife on a life-size head. "It has the feel of wood, but it will take a glaze — it's very exciting."

His family shares his hobby, taking great pride in his creations. His wife was Katherine Segel before their marriage in Hungary in 1943, and their children are Katherine, 21, Charles, 10, and Stephen, 5.

Charles finds nothing incongruous about combining mining with sculpting. "Art must express life," he said, "and the miner at work is a very vigorous, graphic model of life. The nature of his job, toiling underground to win the ore from the rock, takes on a heroic aspect in the eye of the artist. It excites the imagination."

This pleasant, soft-spoken Creighton craftsman also gets a lot of satisfaction from the fact that his work is valuable in the promotion of safety. "That is like the icing on the cake," he said.



Thompson Brownies Entertain Mothers

Another first for Thompson took place March 1 when the 4th Brownie Pack held a mother and daughter banquet at Ken's restaurant. It was the first time an individual Thompson pack had held such a banquet. Approximately 170 Brownies and their mothers enjoyed a delicious turkey dinner with all the trimmings.

Seated at the head table were brown owl Velma Bercler; her assistant, tawny owl Mrs. Elsie MacLeod; district Guide commissioner Mrs. D. MacLean, divisional commissioner Mrs. J. Ingebrigtsen from Churchill, tawny owl Dorothy Maddison, and tawny owl Mrs. C. Lacasse.

Ingebrigtsen, who held the Brownies interested as she spoke earnestly to them of living up to their ideals and wearing their uniforms proudly.

Pictured here by Thompson photographer Murray McKenzie are some of those attending the happy event.

Following the supper, introduction of the head table took place and commissioner Mrs. MacLean welcomed the visiting guest, Mrs.

JEKYLL & HYDE

Alice and Ellen were discussing the Sunday School lesson. "Do you really believe there is a devil?" asked Ellen.

"Oh, I don't," answered Alice. "I guess it's like Santa Claus — it's really your father."





The active teamwork between corporations and culture that made the Stratford miracle possible is exemplified in this picture of two men from the Canadian business world conferring on stage at Stratford with the artistic director of the Festival, Michael Langham. Floyd S. Chalmers, left, chairman of Maclean-Hunter Publishing Company, and K. H. J. Clarke, International Nickel's manager of Canadian sales and market development, are president and vice-president respectively of the Festival board of governors.

Rich Lode of Drama, Music, Ballet Awaits Vacationers at Stratford

For many an Inco family, this summer's vacation plans include the world-famous Stratford Festival.

Whether as part of an extended holiday tour or just as a short break in the summer's activities, a trip to the delightful little Western Ontario city which has already become a shrine of world theatre is a "must" for every Canadian family.

During its 18-week season an estimated 350,000 people from every province in Canada, from 50 of the United States, and from 50 other

countries will attend the Festival.

Many will come for one performance and stay for more. A surprising number will spend a full two weeks of their vacation on the spot. A check of the listing of events shows that one may attend 22 different performances without repeating, all of them top theatrical attractions.

What will they see?

Well, for one thing, they'll see the biggest Festival of its kind in North America, with performances ranging from Shakespeare's greatest classics, done in the epic man-



Shakespeare's plays, produced in the epic tradition, are the bulwark of the Stratford Festival. Here is a scene from "Julius Caesar", with Peter Donat as Cassius, William Hutt as Brutus, Max Helpmann as Cato, Henry Hovenkamp as Cinna, Don MacDonald as Decius, J. C. Juliani as Trebonius, Ed Rudney as Metellus, and Joseph Shaw as Caesar.

ner, to Duke Ellington and his orchestra.

Drama, Music, Ballet

The continent's finest actors, not only the ones familiar to Canada's English-speaking audiences but also many from the prestigious French-language Canadian theatre will perform. Great singers will be heard in the Mozart opera "Don Giovanni." The internationally-renowned Royal Winnipeg Ballet will appear in the world-premiere of an original full-length work created especially for Stratford.

Besides the Shakespeare plays, "Henry V," "Henry VI," and the comedy, "Twelfth Night," there will be two other plays, "The Dance of Death," by Strindberg and the original "Nicholas Romanov." The directors are Michael Langham, artistic director of the Stratford Festival, John Hirsch, founder-artistic director of the Manitoba Theatre Centre, and David William, director of productions for Glasgow's Citizens' Theatre. Jean Gascon, artistic director of Theatre du Nouveau Monde, will

direct the opera as well as "The Dance of Death."

In addition to the plays there will be 15 outstanding concerts which will be presented on eight Sunday afternoons, six Saturday mornings and one Friday matinee. Among the artists who will appear, supported by the famous National Festival Orchestra (composed of leading musicians from symphonies across Canada) are Mario Bernardi, pianist; Phyllis Curtin, soprano; Leon Fleisher, pianist; Jose Iturbi, pianist; Leonard Rose, cellist; Mary Simmons, soprano; Leonid Hambro, pianist; Jean-Pierre Rampal, flutist; Sol Schoenbach, bassoonist; Oscar Shumsky, violinist-conductor and musical director of the Festival; Duke Ellington and his orchestra; George Shearing Quintet, the National Youth Orchestra; the Festival Singers of Toronto.

In the Exhibition Hall a display of theatrical costumes, properties, designs, books and music will be a special attraction for many.

The Festival opens June 6 and



The Festival Theatre, unique in architectural design, is set in the charming and spacious Queen's Park on the banks of the Avon River with its white swans. Built in 1957 at a cost of \$2,250,000, the theatre seats 2,258, has full air-conditioning and humidity control.



This scene from another Shakespearean production, "Falstaff" ("Henry IV", Part Two) shows William Needles as Mouldy, Al Kozlik as Feeble, Heath Lamberts as Wart, William Hutt as Shallow, Ken James as Bull Calf, and Brian Petchey as Shadow.

closes October 8. During the last four weeks some 60,000 students from Ontario, Quebec and neighboring centres in the United States will attend special student audience performances.

Vision, Courage and Genius

After more than a decade of success there is no doubt that the Stratford Festival has captured the imagination of the theatre world. How it all began is a much-told tale that loses nothing in the retelling.

Few have not heard or read of Tom Patterson and his struggle to put his native city of Stratford on the map with an annual Shakespearean Festival. A small committee of dedicated Stratfordians, together with the City Council, were able to survive a series of financial crises now lightly referred to as "a financial campaign." Eventually about \$150,000 was raised and the first season got under way in July 1953.

In hindsight the timing was almost miraculously fortuitous in that the project was able to attract the leadership of two theatrical giants, Tyrone Guthrie and Tanya Moiseiwitsch, whose concept for a unique stage was to revolutionize theatre of this period. They designed the thrust or apron stage (also called the open stage, three-sided stage or Elizabethan stage), a modern adaptation of the type of stage which was probably used by Shakespeare. The steeply sloping auditorium surrounds the stage on three sides, in an arc of 220 degrees like the amphitheatre of the ancient Greeks. At Stratford, the Festival Theatre has therefore combined the classic grace and beauty of the Grecian Theatre with the functional aspect of the Elizabethan.

The legendary prestige of Dr. Guthrie made it possible to have in that first cast such world-famous actors as Sir Alec Guinness, Irene Worth and Douglas Campbell. Guthrie's inspired direction whipped into shape the cast who, apart from the stars just mentioned, were made up largely of Canadian actors. Many were highly capable radio performers trained to articulate Shakespeare.

The opening-night explosion was heard around the theatrical world. Seats were at a premium and the six-week season ended with an astounding 98 per cent attendance. This same record hasn't slackened much in the following years. The overall average for drama attendance has never fallen below 77 per cent and the average is 88 per cent for the 13 seasons.

Stratford Kept Its Head

The effect was felt most immediately on the relatively small city of Stratford. This city, a one-time railway centre in the prosperous southwestern Ontario farming community, seems to take in stride its new status as one of the major theatrical capitals of the world.

Thousands of visiting patrons are given a warm friendly welcome in the homes of its residents, who have heeded Dr. Guthrie's stern warning against turning Stratford into one large, "Ye Olde English Tea Shoppe." An important part of the success of the Festival is that the city has retained its simplicity and charm without losing its dignity.

While the early years in the tent theatre seem colorful in retrospect,

the sophisticated audiences of today would hardly put up with the pioneering discomforts. Nor would the artists — Glenn Gould played his first recital against the background noises of a thunder storm, with rain pounding on the canvas!

It was soon recognized that the Festival was to become a proud, permanent addition to Canada's cultural life and had to have a real theatre suitable for its unusual stage presentations. The Canadian architect, Robert Fairfield, in close consultation with the artistic and business staff, designed the unique circular structure which was erected during the winter of 1956-57 at a cost of some \$2,200,000, a large part of which was donated by Canadian citizens and industry. Capacity was increased to 2,258 from the tent's 1,980. But the stage — which was acclaimed by Walter Kerr, of the New York Herald-Tribune as "the greatest single contribution to theatre in the last 50 years" — still remains the focal point of attention.

The Festival theatre has no peer on this continent for the production of repertory theatre. All the workshops and offices are contained within the structure. During the off-season thousands of visitors come to Stratford just to tour the theatre.

Great Musical Festival Too

But the Festival is more than the annual presentation of Shakespeare's plays. Music was first presented in 1953 with occasional afternoon concerts. These continued the following season. In 1955 they were expanded and moved to the remodelled Concert Hall on the river drive. In later years they were transferred to the Avon Theatre in downtown Stratford and in 1960 to the Festival Theatre.

The development of an orchestra of front-rank stature, of a quality commensurate with the Shakespeare plays, was also soon recognized as necessary. So was the development of a second theatre. The turn-of-the-century Avon Theatre was acquired and a full-scale restoration program undertaken.

A permanent staff of 40 handles the business side of the Festival on a year-round basis. This increases to a high of about 550 as the season develops. In 1965 the payroll amounted to nearly \$900,000. In 1964, when the company was invited to Chichester, England, some 561 persons were employed at one period or another during the year. The 1965 box-office receipts for drama and music totalled some \$1,227,000.

Under the bold and imaginative leadership of artistic director Michael Langham a worthy successor to Dr. Guthrie, the Festival is spreading out in several directions.

Its two theatres give it a rare opportunity to present productions on the open or thrust stage as well as the picture-frame, or praesidium, kind of stage. In the latter, at the Avon, ballet, operettas, grand opera and drama are presented regularly. Classical drama as well as concert recitals of the highest quality are presented at the Festival Theatre.

Canada and her culture have attained world eminence due to the miracle of Stratford. All Canadians old and young should personally share in this achievement by attending the Festival.

World Safe Mining Champs Receive Awards

Handsome calfskin wallets, suitably inscribed in gold lettering, have been presented to the men of Froid-Stobie mine by International Nickel in recognition of their world safety record for underground mining. Picture shows Jack Sturgeon of the Froid sandfill crew receiving his wallet from his shift boss, Johnny Leonard. At right is Froid-Stobie safety engineer John Murray.



The Froid-Stobie world record of 3,047,774 safe man hours was established on December 22, and since that time has been the subject of many congratulatory messages from safety authorities in Canada and abroad. In the picture above George Morphy gets a wallet and a hearty handshake from shift boss Leonard.



Also taken during the presentations at Stobie was this shot showing Art Lalonde being congratulated by shift boss Morrow, with Ken Peters and John Vis next in line. Safety engineers George Inkster and John Murray appear in the background.

A Simple Example of Computer Use

Suppose, for example, that the mill department wishes the 1620 computer to handle a monthly calculation of the power costs for each of four grinding machines. In English, the following is a statement of the sequence of steps it wishes the computer to follow:

1. Look up volts, amps, power factor, cost per KWH, tons/hour.
2. Calculate power used = volts x amps x power factor x $\sqrt{3}$ x .001.
3. Calculate power cost = power used x unit cost per KWH ÷ tons.
4. Write out voltage, amps, power factor, and power cost per ton.
5. Repeat steps 1-4 for succeeding installation records.

Statement Number	Column	FORTRAN STATEMENT
1	5 10 15 20 25 30 35 40 45 50	
1		READ 6, VOLTS, AMPS, PF, TANS, UNITS
2		POWER = VOLTS * AMPS * PF * SQRT(3.0) * .001
3		PCOST = POWER * UNITS / TANS
4		PRINT 7, VOLTS, AMPS, PF, PCOST
5		GO TO 1
6		FORMAT (5F10.5)
7		FORMAT (4F15.5)
		END

Translated into a Fortran program, the sequence of instructions to the computer would look like the above.

```

END
7 FORMAT( 4F15.5)
6 FORMAT(5F10.5)
5 GO TO 1
4 PRINT 7,VOLTS,AMPS,PF,PCOST
3 PCOST = POWER * UNITS / TONS
2 POWER = VOLTS.* AMPS * PF * SQRT(3.) *.601
1 READ 6,VOLTS,AMPS,PF,TONS,UNITS
  III      I      I      II
      I      II      I      II

```

The written Fortran program is then converted into a deck of IBM punched cards, the holes representing the letters and numbers of the program. This is the kind of talk the computer understands. A program deck can be used over again each month in making the particular calculation.

VOLTS	AMPS	PF	COST/TON
550.00000	150.00000	.85000	.80973
550.00000	225.00000	.90000	.53585
550.00000	490.00000	.95000	.55431
550.00000	625.00000	.94000	.53301

The program deck is fed to the computer, followed by a second set of punched "data cards" containing the current month's figures on the operation of the grinding machines (volts, amps, power factor, cost per KWH, tons per hour). Taking the information from the "data cards" as required, the computer makes the calculations necessary to complete each step of the program, and in a few seconds prints out the answers shown above.

New Horizons Open for Inco Technical Men

Exciting new horizons were opened for Inco technical personnel when an IBM 1620 computer was installed in the Copper Cliff general office last November.

The installation has proved to be an unqualified success. Many departments of the Company's operations are represented in the group of tyros who, starting from scratch, have already put the computer to very good use in a wide range of applications.

This pioneering group, whether they are mining engineers, metallurgists, or whatever their particular interest may be, have one thing in common and that is enthusiasm. Having taken the preliminary plunge into the mysterious depths of data processing and found the adventure exhilarating, they pass back the word to hesitant colleagues: "Come on in, the water's fine!"

Have Progressed Rapidly

Well grounded by introductory lectures, and with expert assistance readily available whenever they hit a snag (which they cheerfully admit happens quite often), they have progressed rapidly toward more sophisticated and highly useful areas of computer applications.

For instance, the capability to "model" the Company's operations, from ore input scheduling, on through mill and smelter scheduling, to final product forecasting, is actually already well advanced. These computations will not only eliminate an enormous amount of tedious hand calculations, releasing personnel for other pressing duties, but will also provide an almost immediate assessment of the effects of certain changes in operating practice, thereby allowing for swift evaluation instead of long-drawn-out tests.

The geological department have been very active users of the new computer. Programs have so far been developed to provide improved interpretation and analysis of geophysical data and ore reserves.

The research department's initial use of the computer has resulted in statistical analysis of research tests which would have taken weeks to compute manually.

Another of the early programs is being developed by the general engineering department, which hopes to reap the benefits of computerized "critical path scheduling" in the construction of the new Froid-Stobie mill. Work is well advanced in preparing the network diagrams and time estimates required for computer input in this fascinating data processing project.

Amazing Speed and Accuracy

Well, just what is a computer?

A computer is nothing more than a calculator which can handle data at amazingly high speeds in an infinite variety of forms, and which produces an answer or a series of answers, usually in a printed form. In addition,

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HERE'S A VIEW of the IBM 1620 technical computer facility in the general office at Copper Cliff. In the foreground Jim Smith of the computer room staff is making program switch settings at the computer console. In the background Bob Reeves of the metallurgical department loads the card reader unit with punched data cards for a monthly milling calculation. Given the tonnage and grade of mill inputs, the computer will come up in a jiffy with the tonnage and grade of all mill



concentrates and tailing, and also the tonnage of metal contained. At RIGHT Guy Bray of geological research checks the computer printout of his program which calculates radiometric ages of Sudbury Basin rocks from isotopic measurements. This information will be useful in interpreting local geology as part of the continuing search for new ore. Ian Crofton, machine room operator, assists Guy in checking the printout.



HEAD OF THE special projects department, Peter Souter, is interested in bringing new engineers into the computing field. Here he reviews progress with Lloyd Harris of mines engineering, who is now busy completing programs for calculating mines production bonus, and is setting his sights on mine scheduling problems.



GARY FAULKNER (right), the maestro of the computer room, is giving expert advice to Jim Kuzniar, assistant to the electrical superintendent, on some problems in the programming of a power factor calculation.



ONE OF THE EARLIEST and most versatile users of the 1620 computer is Terry Podolsky of the geological research department. He's shown here at the card read unit, preparing to run a program to compute and analyze lateritic ore reserves. AT THE RIGHT: First step in the computer system is to convert a written



Fortran program into a series of punched cards. The holes in the cards, representing each number or word of the program, will be sensed by the card read unit, and the information electronically flashed to the computer. Gail Gheseger, computer room key punch operator, is shown converting a written program to cards.



ONE OF THE MOST FASCINATING functions of the computer is in critical path scheduling of construction projects. Here assistant chief engineer Dave Duncan (seated) and Wolfgang Puerst of the general engineering department study the 20-foot critical path network diagram depicting the 3,000 activities involved in construction of the new Frood-Stobie mill. Time estimates for all these activities will be fed to the computer, which will then produce a schedule showing the earliest and latest starting and finishing dates for each activity to keep the construction program on schedule.



IN THE LIBRARY of the research laboratory, research chemists David Huggins and Peter Ryan discuss a proposed program for the analysis by computer of test data in the development of a new extraction and refining process.



CHIEF MINES ENGINEER Eino Tigert and assistant chief Bob Hall confer with two members of their department who are engaged in computer studies, Herman Saltendieck and Al Olive. They are inspecting the printout of a program to compute monthly ore production from the mines, a calculation which used to take four hours, will now take 15 minutes.

New Horizons for Technical Men

(Continued from Page 8)

tion to being high speed, a computer is extremely accurate, much more accurate than any human being.

The high speed and accuracy obtainable in a computer are possible because of complicated electronic circuits within the confines of the system.

A favorite "computer" joke tells of a programmer who asked his machine, "Is there a God?" The machine printed the answer: **THERE IS ONE NOW.** Thousands of people are inclined to regard the computer with awe and speak of its "brain" and its ability to "think".

The truth is that computers have no intelligence whatever of their own. They must be instructed in minute detail how to perform every step in solving a problem. Humans have to do all the creative thinking and all the reasoning before the computer can blink its first signal light.

A computing facility was originally provided at Copper Cliff for the basic education of technical personnel in programming and machine operation. It was expected that these men would go on to produce programs and techniques that would extend the

quantity and quality of the Company's engineering, research, and process effort.

Lectures arranged by the special projects department were first given on programming — the writing in coded form of the set of detailed instructions which must be fed to the computer for it to perform a given task. A typical program will consist of a series of carefully sequenced statements which will cause the machine to (a) read in the data, (b) carry out a series of sequenced arithmetic calculation steps, (c) print out the required results in a specified format or punch them into cards.

Machine Has Own Language

The written program in coded form is first converted into punched cards, called the "source program". The individual letters and numbers comprising each statement of the written program are represented by holes punched into the cards. These holes are sensed by electrical contacts in the "card read" unit, whereupon the electronic circuits transfer the data read from the card to the computer, which translates them into its own language and stores the information in its memory.

Thus given the program in language it understands, the machine



AREA GEOPHYSICIST John Dowsett (centre) and specialist Bud Savage of the geological department are inspecting the printout of geophysical data which has been analyzed by the computer. In this instance a few minutes of machine computation has provided the equivalent of one week's manual interpretation and calculation. At the left is Jim Smith of the computer room staff.



After a busy evening of obedience training these Sudbury Kennel Club pooches were in just the right mood to pose along with their owner-handlers for a photograph. Shown from the left are Mrs. C. Copeland with her German shorthair, Oliver Cooley with his springer spaniel, Mrs. Beth Campbell and her toy poodle, Bruce Johnson, dachshund, Mrs. D. R. Lochhead, Australian terrier, Mrs. Bob Stedman, dachshund, Don Holloway, springer spaniel, and Diana Brault, poodle.

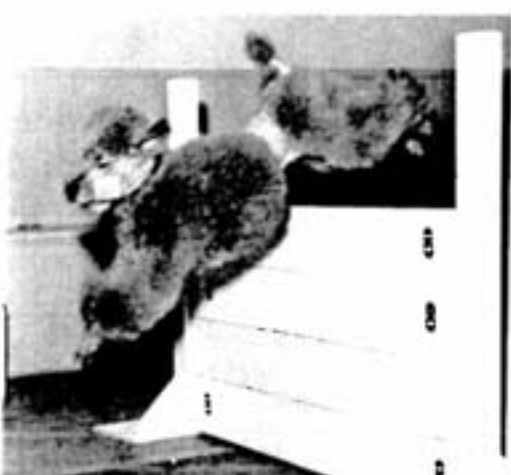


Some of the club's fine-looking bigger dogs are seen with their owners in this lineup: left to right, Ken McDrew, David Arnold, Vivian Craig and Ken Morgan with their German shepherds; Catherine Sweeney of Capreol with her strikingly handsome German shepherd which unfortunately was killed by a car a few days after this picture was taken; Andy Joy with his Doberman, and Gladys Joy with her German shepherd.



Poodles are a major fact of life in the Walford family, who get great delight from these highly intelligent dogs; Helen Walford (left) and her mother and father, Edna and Gus Walford, are shown with their three characteristically coiffed pets. On the right is Mrs. Kaye Keffer of Coniston, also a poodle fancier, who is chairman of the obedience classes.

Edna Walford's classy poodle Guardsman Nicholas, shown here retrieving over the high jump, is the only dog in Northern Ontario holding the top award in obedience training, the utility dog degree. Watching this beautifully trained animal work through the various advanced tests with amazing understanding and unflinching obedience is rare entertainment.



Monumental Patience "Must" in Teaching Pooches Obedience

Certainly among the most dedicated people on the face of the earth when it comes to hobbies must be those faithful souls who undertake to give their dogs formal obedience training.

To put a pooch through all four stages of the obedience course must take patience about a mile thick.

Sudbury Kennel Club has been holding regular obedience training classes at the Inco Club for more than 15 years, which seems to indicate that the world will never run out of people with a superabundance of that stuff that Job got famous for.

It's an interesting and often highly amusing hour's experience to watch the handlers working with their dogs under the direction of the club's obedience training chairman, Kaye Keffer of Coniston. Mrs. Keffer is a cheerful enthusiast whose love of all dogs is tempered by just the right mixture of firmness, understanding and authority — along with a generous helping of patience — to make her outstanding in this specialized field.

Among the unusual breeds of dogs enrolled in the obedience classes are an Australian terrier, a Yorkshire terrier, a West Highland white, and a German shorthair.

One of the very few kennel clubs in Canada to combine all three

sections of dog training, the Sudbury club conducts retriever courses for Labradors and spaniels as well as the obedience classes, involving some 70 dogs this year. Field trials are held in all three sections. Chairman of the Labrador section is Orest Andrews, and of the spaniel section Bob McInnes.

President of the Sudbury and District Kennel Club is Frank Atwood, vice-president Gus Walford, secretary Edna Walford, and treasurer Bob McInnes.

Lorenzo L'Heureux

Better known as "Happy" to his workmates at the copper refinery, Lorenzo L'Heureux has sold his house in Graham Township and is busily preparing for a move to his native city of Montreal. "I have lots of friends and relatives there," said "Happy", the ardent fisher-



Mr. and Mrs. L'Heureux

man, "and with the Laurentians close by you can be sure I'll be out after the big ones."

With more than 20 years of Inco service to his credit, "Happy" has retired on service pension from his job as weigher at the refinery.

Born in 1901, he tried his hand as a bank clerk, a munitions worker, a ledgerkeeper and a weigher before joining Inco in 1944. Starting at the refinery as a car loader, he spent some time in the drill room before he made his final move to the scales.

He married a Naughton girl, Alice Cyr, in 1939. With no children of their own, the L'Heureuxs gave a home to two nephews, Albert Poulton, now living in Sudbury, and Norman Poulton, now in Oshawa.

Jacob Negraeff

Levack mine's Jacob Negraeff has been a miner since he left the family farm in 1941 after figuring that harvesting eggs at a few cents a dozen didn't have much future in it.

After 23 years with Inco he has retired on disability pension due to a heart condition.

Born in Northern Russia in 1906, Jacob came to Canada with his family in 1910,

and was raised in Canora, Saskatchewan. He joined Inco at Creighton, and worked there for three years before transferring to Levack. He has been employed as a motorman for the past eight years.

A large garden surrounds the cozy home that Jacob built in Dowling in 1957, and despite his disability he plans to get right down to work on it as soon as the frost is out of the ground. "I've worked hard all my life and I can't get used to the idea of being idle."



Jacob Negraeff



Manager Warren congratulates captain Albert Royal and his smooth-working team from the carpenter crew on winning the final contest for the annual first aid championship of the Port Colborne refinery. From the left are shown Bob Lambert, coach Ross Butler, Jack Grace, manager Koth and captain Royal, and Gina Foresi.

Carpenter Shop Is First Aid Winner At Port Colborne

The injuries of a young boy (Gary Augustino) who was struck by a hit-and-run car, and his father (George Papper) who fell down the stairs in his grocery store on rushing to the boy's assistance, presented a thorough test for the four teams competing in the annual plant first aid final at Port Colborne.

Ross Butler's well-coached team from the carpenter shop emerged victorious, and will represent the nickel refinery in the Ontario division semi-final contest for surface plants at Sudbury on April 15, with the D. Finlayson shield at stake.

The winner of this event will go against the best team from the mines in the grand finale at the Inco Club for the R. D. Parker shield on Monday, April 25, commencing at 8:00 o'clock.

Presenting the carpenter shop team with sportsmen's lanterns, nickel refinery manager W. R. Koth highly commended them for their demonstration. He noted with satisfaction the increasing interest in the plant's first aid program, and warmly congratulated both competitors and promoters on the success of this year's contest.

Judge of the contest was safety engineer Tom Crowther of Copper Cliff, who remarked on the excellent staging and said that in his opinion the quality and spirit of first aid competition at Port Colborne had shown a big improvement.

Safety supervisor Len Hobbs was chairman of the contest.



Jack Finnegan and captain John Campbell of the electrolytic team give first aid to the injured father.



Two patients were involved in the competition's test problem. The electrolytic department team is shown in action here under the close scrutiny of judge Tom Crowther; in the background are safety supervisor Len Hobbs and assistant to the manager Charles Ott.



One of the three other teams competing in the interesting finale was the construction team, Leslie Petrus, Ray Augustine, Charlie Davison (captain), Bela Lang, Ted Sebastiany.



This was the anode department entry, Harold McLean, Gil Bretan, Maurice Walker (captain), Wilson Johnson, Charlie Campbell.



Representing the electrolytic department were John Campbell (captain), Jack Finnegan, Peter Topolinsky, Pat Clement (coach), Jim MacIntyre, Finley Morrison.

Hospital Gifted by Inco at Thompson

As a result of negotiations with the Manitoba Hospital Commission, Thompson Hospital has been gifted by International Nickel to a local hospital board.

Built by Inco in 1960 at a cost of approximately \$1,000,000, the 32-bed fully modern hospital is regarded as one of the finest in Western Canada. Plans are now being prepared to expand its capacity to about 75 patients, and construction is scheduled to commence during the coming summer.

J. B. McConnell is chairman of the first board of trustees of Thompson General Hospital, a charitable, non-profit organization, and other members of the board are J. R. Hawkins, vice-chairman; C. N. Goddard, secretary; D. E. Munn, C. A. Nesbitt. All are long-term residents of Thompson and have had experience in hospital administration.

Thompson's first hospital was established in a "hut" at the Inco plant site in 1957, with Dr. J. B. Johnston as the attending physician and surgeon. In 1958 the hospital was moved to a residential building on Juniper Drive, with an adjacent residence serving as staff quarters. Both temporary establishments were closed with the opening in 1960 of the new Inco hospital.

Dr. Johnston has been appointed chief of staff of Thompson General Hospital. Other doctors who are established in practice in the town are Dr. H. K. Standing, Dr. J. D. Spooner, Dr. D. H. Reimer, and Dr. W. Hoe.

Mike Kitch

Luckiest thing that ever happened to Mike Kitch, he says, was missing a freight train leaving the Sudbury yards for the West one day in 1932. He had just been laid off by Fraser-Brace Construction



Mike Kitch

Company after completion of the Copper Refinery buildings. Leaving the railway yard he met his friend Harry Lipscombe who told him that Inco was hiring men. A few days later he was back at the Refinery working as a crane follower, and there he happily remained for 33 years.

Born in Czarna, Poland, in 1901, Mike came to Canada in 1930 to find a new home for his family. At the refinery Mike progressed through chipping and grinding to metals inspection, and was a special inspector with the yard and transportation department at the time of his retirement.

Mike was married to Mary Kowal in 1924, and was the proud father of a son and a daughter when he left for Canada. Mrs. Kitch is still living in Poland. Mike junior lives in Moscow, and daughter Mrs. Olga Czornotowicz lives in South Ukraine on the Azov sea. Five grandchildren complete the family. Mike visited his family in 1959 and hopes to see them again in the near future.

Copper Cliff Braves Again All-Ontario High School Champions



Defeating Glenwood Park of Galt in the final series, Copper Cliff Braves added the all-Ontario high school senior hockey championship to their Nickel District and Northern Ontario triumphs to wind up the season in a blaze of glory. It was the sixth time that coach Bert McClelland had led his team to the provincial title in his 20 years at the Copper Cliff hockey helm, a remarkable record. In this group picture of the Braves are: FRONT ROW, Mike Silver, Elgin Bolton, Dennis Wing (assistant captain), Gerry Brownlee, Dennis Hannah (captain), Ian Pinard, Brian Ceppetelli, Duncan Morrison; CENTRE ROW, Bert McClelland (coach), Ray Brownlee (assistant manager), Dennis Bolton, Bob Gervic, Richard Charron, Allan Tessaro, Ron Capstick (manager), W. M. Harrington (principal); BACK ROW, Pat McGuire, Dave Polano, Pat Heaphy (Stanley Stadium manager), Wayne Doherty, Charles McClelland. NOT SHOWN, Tommy Deacon, Carl Rauhala.

Fourth Public School Completed at Thompson



So pressing was the demand that classrooms in the new No. 4 school at Thompson were occupied one by one as quickly as they were ready. This picture of room 1, with teacher Miss Marian Enns presiding, was taken last fall. Construction of the school was completed this month and it is now in full operation. Outside painting and landscaping will be done as soon as weather permits. Four public schools and a high school have been part of International Nickel's contribution to Thompson's municipal facilities.

Thompson school board, the town's first elected public authority, is shown here: I. P. Klassen, chairman; W. I. McLeod, Mrs. K. Campbell, Adrian G. Baker and Jack Holtby. By the time next autumn rolls around they expect that enrolment in Thompson's five schools will have increased to 1,700, requiring a staff of 79 teachers.



Roderick McIntyre

Roderick McIntyre has been an ironworker all his working years. He was born 65 years ago in Glasgow, Scotland and apprenticed to his trade at the Alexander Stevenson ship yard.

Coming to Canada and Welland in 1923, he worked first at the Government Elevator, then at the Port Colborne Ironworks where he performed his trade for approximately 14 years.

In 1937 Roderick joined Inco

and now after 29 years, he is retiring on service pension.

In 1923 Roderick married Isabelle Houlie. They have a son and two daughters, Roderick at McKinnon's Industries, St. Cathar-



Mr. and Mrs. McIntyre

ines; Matilda (Mrs. Lawson Snider) at Lorraine, and Betty (Mrs. John Stokes) in Oshawa. Eleven grandchildren complete their fine family.

At a gathering in the mechanical department, Roderick was presented with a purse of money from his fellow workers as a token of their esteem. J. H. Walter thanked him on behalf of the Company for his faithful service and expressed the wish that he and Mrs. McIntyre would long enjoy his retirement in health and happiness.

ALL THINGS NEW-BORN

Be gentle, Spring, to new-born things,
Small rabbits cowering in fern,
And fledgling wings so brief and frail
That hesitate to learn
The ways of space, to lamb and foal
And fawn that, trembling, press
Wide-eyed against their mothers' flanks.—
Protect their littleness!
—Leslie Savage Clark

An anonymous benefactor has sent us a note saying, "There is a perfume store in an Arizona city which is named 'Scents of Yuma.' You believe him?"

Vic Fabris Rolls 450 at Creighton

The dream of all bowlers, the perfect game, finally came true for Vic Fabris when he rolled a 450 in the men's five-pin league at Creighton Employees' Club.

It was the first perfect game in the club's history as well as in Vic's, and they made a proper fuss over it. The picture shows Vic receiving a \$50.00 cheque from bowling league president Harry Narasnek in recognition of his achievement. Vic, who is a slope leader at Creighton 5 shaft, has been a bowler for 10 years.

The closest he had ever previously come to a perfect game was a 405 he rolled in the Inco inter-plant playoffs two years ago. He captains a team in the Creighton-Lively men's league, and was taking part in a regular scheduled game when he got his 450. He says he didn't get excited until it was all over, but then his hands shook for an hour.



Smelter Team Is Best of Three In Thompson Final

Presence of mind under pressure, and thorough knowledge of the St. John's Ambulance handbook, paid off for Joe Maltby's smelter team when they won the final competition for the first aid championship of Inco's Manitoba division.

At a realistically staged accident scene in the auditorium of the Thompson High School the well-trained smelter squad edged out two other highly competent teams representing the mine and the electrical department, coached by Nick Barnes and Alastair Stewart.

General manager H. W. Peterson, who presented the trophy to the smelter team captain, Stan Fielding, and prizes to the runners-up, heartily congratulated all participants in the competition and the individuals who arranged it. It had been an excellent presentation, he said. He emphasized the Company's interest in first aid and quoted figures to show the magnitude of the training program.

Safety superintendent W. K. Newman expressed appreciation to the judges and all others who contributed their efforts to the program, as well as to the audience for their interest.

The mine team drew the honor of being first on the floor. The problem centred around a collision between a car and a motor bike, the driver of the car sustained a bleeding nose and fractured collar bone, and the bike rider a fractured spine and severe leg lacerations.

Dr. J. B. Johnston, who announced the verdict of the judges, noted the continuing improvement in the calibre of the competition from year to year, and commented on the benefits of the Inco first aid training program to the community at large. The other judges were Dr. H. K. Standing, safety engineer Wilfred Lederhaus, and Henry Bloy, of Winnipeg, director of the Mines Accident Prevention Association of Manitoba.

Two Inco first aid attendants, Peter Wright and Ted Brady, acted as patients for the competition.

A total of 35 six-man teams took part in the series of eliminating contests leading up to the final event.



Murray McKenzie

This was the accident scene in the plant first aid competition finals at Thompson. The smelter team is seen in action, treating a patient injured in a collision between a car and a motor bike.



General manager Harry Peterson presents the championship trophy to the victorious smelter team; right to left, Stan Fielding (captain), Joe Maltby (coach), Don Corrigan, Ron Rowe, John Hoskins, Ed Hrynkiw, Ed Gallagher. Shown with them is W. K. Newman, superintendent of safety.

SO HE'S THE GOAT

"Well bless my soul," said the ram, as he plunged headlong over the cliff. "I didn't see that ewe turn."



Here's another view of the smelter team in their trophy-winning performance, closely observed by two of the judges, Dr. J. B. Johnston and Dr. H. K. Standing. Part of the interested audience of 170 is shown.



The two other teams competing in the Thompson final are shown here: front row, the mines department team, Grey Loades, Bill Montgomery (captain), Clarence Bear, Lonnie Halchysak, Nick Barnes (coach), Doug McKenzie, Charlie Crawford; back row, the electrical department team, Bob Smith, John Cunday, John Heminger, Bob Young (captain), Alastair Stewart (coach), Jim Patterson; not shown, W. Grywinski.

Big Turnout Salutes Young Performers in Levack Figure Skating Carnival



With a cast of 84, ranging in age from bent-ankle "Tiny Tot" to sophisticated teenage soloists, the 1966 Levack Figure Skating Carnival zipped along at a brisk pace, drawing spontaneous applause from an enthusiastic near capacity audience of close to 650. 1. Of special appeal were the tricky drills performed by the "Majorettes" and soloist Mark Gross to the tune of the current hit song "The Green Beret". The three top-hatted "Majorettes" shown are Joan

Bue, Mano Stead and Debbie Smith. 2. Senior soloist Wendy Piccolo gave two dazzling performances. She is shown performing a backwards spiral. 3. Two of the Tiny Tots, Tricia Digby and Laurie McLean, enjoy a little tail-swinging and free skating during the intermission. They created some delightful entertainment with their uninhibited free-wheeling style.



The many costumes at the carnival created a kaleidoscope of color. The wardrobe from previous carnivals, plus loans from the Sudbury Skating Club, relieved the sewing mothers of some of the load this year. 1. Petite Debbie Piccolo is shown leading the "Rain Drops" through their well-executed number. Following Debbie are Laurie Malleau, Pauline Lebel, Karen Garham, Dianne Zubac, Cindy Bowhey and Mary Catherine Andrews. 2. With some of the

pre-performance tension showing on a few of their young faces, the "Pretty Babies" are shown patiently waiting for their spot on the program to arrive: left to right, Angela Zubac, Bernice Harbady, Cheryl Rowe, Janet Fortin, Kathy Johnson, Karen Behenna, Lee Ann Corrigan, Dianne Quinton, Nancy Mihajic, Helen Bragg and Lynn Malleau.

Bigger and better than ever, the 1966 Levack figure skating carnival was an outstanding community effort and a brilliant example of efficient organization.

The graceful performances of the pretty young soloists, Ina Lynn Purvis, Sandra Toppi and sisters Wendy and Sandra Piccolo, drew resounding applause from the big crowd.

The "Cowgirls" featured agile nine-year-old Douglas Chamara as their male lead. The young lad gave a polished performance showing great promise.

Hardworking executive president of the club, Mrs. Bertha Piccolo, said the youngsters spent almost two months working under the expert direction of instructor Mrs. Joyce Salo McKenzie to produce the show. Thanks to the public support the club can continue with its program of free group figure skating lessons for local youngsters.

Problems with wet ice, encountered in previous carnivals, are now a thing of the past due to the installation late last year of the



Teamed up for an impromptu intermission performance, "Tiny Tot" Laurie McLean leads Karen Niemela through a number of startling maneuvers.

artificial ice plant in the Levack rink.



A gay cross-section of the performers shows the variety of costumes used by seven of the nine performing groups from "Tiny Tots" to "Scatties". The smiling faces belong to Kelly Berndt, Debbie Beres, Kathy Johnson, Cindy Bowhey, Carol DeLorme, Mano Stead and Brenda Donaldson.