

INCO TRIANGLE

VOLUME 20

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NUMBER 4



First Prize!

(Story on Page 14)



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Inco, Nickel, and Numismatics

By R. F. Boudignon
Pay Office, Copper Cliff

Numismatics is the science of coins, tokens, medals, paper money and objects closely related to these in form or purpose. I find it a most enjoyable hobby.

To assist the numismatist in the study of coins, their origins and technique, their history, mythology and art, the International Nickel Company of Canada, Limited and its predecessors have published a number of most interesting and valuable books and pamphlets. Several weeks ago, through the library of the American Numismatic Association I had the opportunity of reading a number of these, now out of print and most certainly collector's items in themselves.

In 1930 there appeared a very elaborate volume of some 125 pages, entitled "Nickel Coins." It is a gem of the art of printing and publishing. Privately printed for the International Nickel Company, it gives illustrations and details of



Bob Boudignon

all the then current coins minted of 99% pure nickel. Several dozen countries are mentioned including of course Canada with its pure nickel 5 cent piece.

In 1925 the Research and Development Department of The Mond Nickel Company Limited published a volume entitled "Nickel Coinage" by F. R. Barton, C.M.G. This most interesting book deals with the history of nickel coinage from early times (King Euthydemus II, of Bactria 235 B.C. with coins containing 77% copper and 20% nickel) to the substitution in Canada in 1921 of pure nickel for silver in the 5 cent piece. As a frontispiece to this volume there are illustrations of both sides of The Mond Nickel Company's 25th Anniversary Medal (1900-1925). The figure de-

picted on the obverse of the medal symbolizes the element, while the maple leaves and daffodils on the reverse are emblematic of Canada and Wales.

This medal is truly a collector's piece and the reader will understand my delight at recently obtaining one through the kindness of Karl McIntosh of the Inco geological department.

The historical gem of the ANA library is the booklet published even before the discovery of nickel in the Sudbury District, entitled "Memorandum concerning Small Money and Illustrations and Descriptions of Existing Nickel Alloy Coins," written and published in 1876 by Joseph Wharton, proprietor of The American Nickel Works, at Camden, New Jersey. It deals in particular with the advantages of nickel and nickel alloy in coinage. It must be remembered that at that time coinage was the largest market for the 500 tons which was then the entire world output of nickel.

Mr. Wharton in his booklet was trying to point out to all governments the numerous advantages of nickel for coinage over gold, silver and other metals, on account

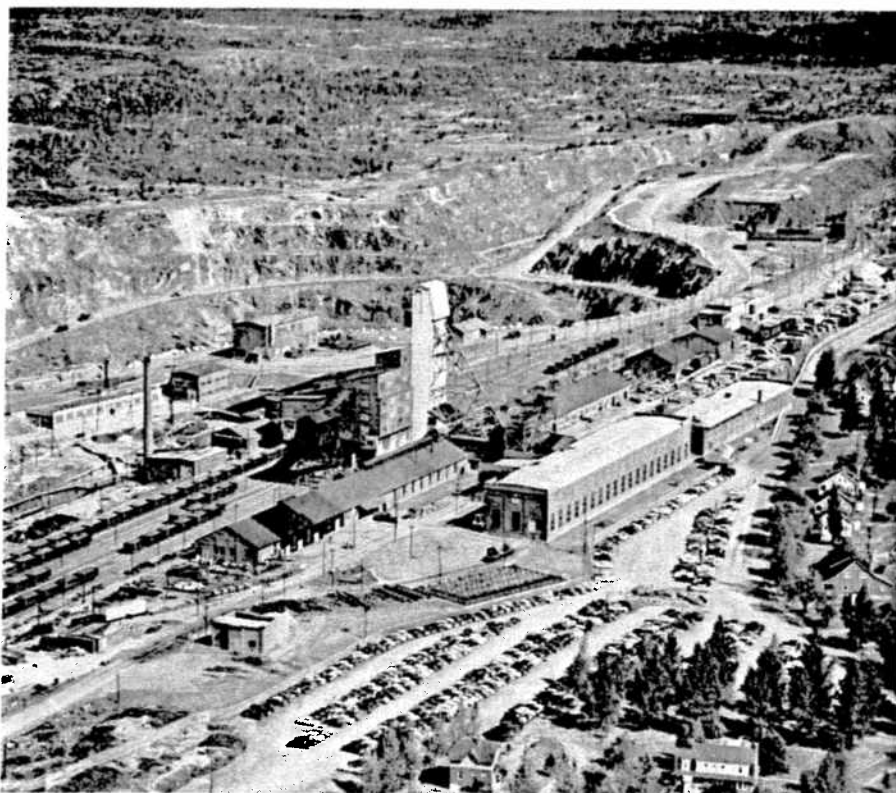
of its lower cost and greater wearing qualities. We were about to enter the era where coinage did not have the full monetary value of its denomination, and he foresaw it. Through his mine and factory he assured everyone that there was an ample supply of nickel on hand to meet all coinage requirements, especially since new deposits had just been found in New Caledonia.

Of more recent date there is in booklet form a reprint from The Numismatist of March 1956 entitled "A Century of Nickel Coinage" by E. F. Feely, dealing with the monetary uses of nickel. Then again in a recent issue of Inco Copper News there appeared a fine article on the Royal Canadian Mint, its divisions and operations. This article was based on a colour film produced by Crawley Films Limited for The International Nickel Company called "Money Minters."

QUICK QUIZ

1. How many seats in the Canadian Senate?
2. Who was the first Canadian

Frood Operations Make An Impressive View from the Air



In this fine aerial picture by the noted Canadian industrial photographer, George Hunter, are seen the Frood surface plant and open pit, part of the Frood-Stobie mine operations. The first of the two long buildings at right centre is the hoistroom, and in the second are the mine offices and changehouse. Strung out behind them, on either side of the collarhouse, are the warehouse and various shops, the timber yard and the sand fill plant. To the left, beyond the no. 3 shaft headframe and rockhouse, are the open pit buildings, blasting shelter, crushing plants, and offices. Six of the big haulage trucks can be seen on the pit roads; can you spot them?

Olympic Games winner?

2. How far up the St. Lawrence River does the tide affect the water level?

4. Canada maintains diplomatic missions in how many foreign countries?

5. What is the average family size in Canada?

ANSWERS: 4. Canada has 53 diplomatic missions abroad. 1. There are 102 Senate seats, 24 each for the Maritimes, Quebec, Ontario, and the Western provinces, and 6 for Newfoundland. 3. Etienne Desmarteau, who won first place in the hammer throw at St. Louis in 1904. 5. Average family size is 3.8 persons; on the average largest families are in Newfoundland, 4.6 persons, and smallest are in British Columbia, 3.4 persons. 2. To Three Rivers, about 900 miles from the Open Atlantic.

HARD TO DO WITHOUT

Shortly after Admiral Byrd's notable polar expedition returned from the land of ice, someone asked one of the men what was the one thing he missed most while away.

"Temptation," was the brief answer.

INCO FAMILY ALBUM



A well-known figure at Levack mine is Lauri Puro, pictured here with his wife and family. Heather is 15, Dale 16, and young Lauri 17. Their dad is getting a big kick out of learning to play the electric organ they recently acquired.



A mucking machine operator at Garson mine, Herman Jones is seen above with his wife and family of seven: Armand, 16 on July 16, Marie-Reine, 14, Roland, 12, Annie, 10, Jane, 7, and Laurraine, 6, and Rose-Mary, 5 months. Jane and Laurraine were both born on June 26. The Jones live on Greenwood Drive, Sudbury, and have Lake Ramsay right at their front door.



LEFT: Joe Stelmack of the Copper Refinery is generally associated with Creighton mine, having played ball there for several years; here he is with his wife and two kiddies, Joey, 5, and Natalie, 10 months. CENTRE: Mr. and Mrs. Don Lindsay and daughter Elaine, 9, of Sudbury; Don works at Frood, and for a hobby raises guppies and tropical fish. RIGHT: Mr. and Mrs. John Swintack, with Christine, 4, and Kathy, 19 months; a stope leader at Creighton mine, John recently bought a home in Sudbury and has made a thorough job of renovating it himself.



Pete Gervais, of the reverb furnace department at Copper Cliff, and his wife each came from a family of 12. Here they are in their Minnow Lake home with their children, Susanne, 13, Linda, 9, Sandra, 2, and Paul, 5.



Tony jr., 12, Mickey, 9, and Terry, 2, are the three happy sons of Mr. and Mrs. Tony Albano of Port Colborne. Their dad works on mechanical maintenance in the Nickel Refinery and is active in the Canadian Legion and in boys' work.



George Smith takes a healthy cut at the old apple, lining out a clean single in a recent game between Kirwan and McGauley. Catcher is Fred Moulaison.

Good Fun for All In Iron Ore Plant' Softball League

Newest softball loop at Inco plants is the Iron Ore Plant league which got under way in June. And while some leagues may play better ball, have sharper uniforms and draw bigger crowds, none has more fun or shows more enthusiasm.

The league's four teams, Kirwan, McGauley, Morrison and Pandke, play each Wednesday morning and evening at Nickel Park in Copper Cliff.

Popular Ross Crapper of the samplers was largely instrumental in getting the league organized. Equipment is provided by the Copper Cliff Athletic Association. A playoff with the Copper Cliff shift league is being talked up.

To date the Kirwan Killers, Tom Kirwan's power packed club, have won every start. First aider Ken (Continued on Page 16)



Looks like a photo finish here but Rino Basso was called safe in this game between Pandke and Morrison. First baseman is Alan Holmberg and pitcher Rene Desjardins.



I.O.P. SOFTBALL PIX

1. KIRWAN: Back row left to right are Ray Kuz, John Taylor, Vince Lynds, Larry Gonnella, Howard Longfellow and Al Stephens. In front are George Smith, Tom Kirwan, Ken Glynn, Mauno Karl, Eugene Bryan and, holding mask, umpire Paul Boutin. 2. MCGAULEY: Back row left to right are Bob Smith, Joe Fundytus, Enzo Floreani, Dave Hough and Ingmar Anderson. In front are Gary Nadeau, Henry Knowlan, Dick Roy, Fred Moulaison, Leo Farnan and kneeling are Jack McGauley himself and umpire-player Larry Bedard.



1. MORRISON: In back, left to right are Reg Poulin, Dick Moxam, Bill Bateman, Rene Desjardins, Jack Eldridge, and Ed Nevala, with Tom Hanley, Larry Bedard, Harold Ross, Ted Morrison, Alan Holmberg, Bob Wright and Ron McNair up front. 2. PANDKE: Left to right in the back row are Jean Bechard, Henry Gritzas, Romeo Quintal, Cecil Johnson, Arnold Lalonde and Russel Gardner while up front are Rino Basso, Eric Laroek, Edgar Doyle, Morris Sabourin, Ervill Amos, Bob Mulcahey and batboys Mike Mulcahey and Gilles Quintal.



Robin and Bonnie Swain pose with their two pupils Tan and Grey during a training session in the park at Copper Cliff.

'A Wonderful Hobby' Robin & Bonnie Swain Say of Training Pair of Dogs

Things have certainly gone to the dogs at 23 Nickel Street, Copper Cliff, which is okay with Robin and Bonnie Swain because they like it that way.

And so do the dogs.

On and off during the past 15 years there's always been a dog in the Swain family circle, but now there are two, and both Robin and his wife are getting so much fun out of training their team of young star boarders that they wish they'd thought of getting a playmate for the family dog long ago.

Older of the pair is Grey, a two-year-old Shetland collie, or sheltie as they're called. His full name is Grey Douglas, after the tartan of the Copper Cliff Highlanders cadet corps, of which Robin Swain is commanding officer. Grey is high-strung, very sensitive, intelligent, a dog-trainer's delight.

His partner Tan, on the other hand, is an easy-going extrovert and show-off. A one-year-old beagle with a good sense of humor. Tan is a lovable little guy who refuses to take life too seriously. He likes doing what comes naturally.

"They're so entirely different,

and yet get along so well together, that they're wonderful company as well as a very interesting hobby," Mrs. Swain said.

Grey is the "brain" of the team. He has his CD, which stands for Companion Dog, the first degree in



Grey is seen here learning the Drop on Recall, which means that he lies down upon command as he is coming in to his trainer. A

obedience training. Tan has no letters after his name yet — he's not such a sensation during class but he makes up for it at recess.

Robin and Bonnie Swain have made quite a study of dog training and find it adds a lot to their enjoyment of their pets.

"It's just like any other hobby," Robin said. "The more you put into it, the more pleasure you get out of it."

One thing they learned early in the game was not to overtrain. "A dog's mind tires easily, and at first about five to ten minutes a day is all the training he can absorb," Bonnie said. "Gradually you can increase the training periods to twenty minutes or half an hour."

"You have to be patient but firm with him, so he knows it's serious business. You should never laugh at his efforts or make fun of him when you're trying to teach him."

"Another important thing for the new trainer to remember," Robin put in, "is not to expect miracles. A dog will learn certain exercises in two or three weeks, but it may take months to steady him so he will do them every time."

What about treats for the pupil?

"The book is very definite about that," Bonnie said. "You shouldn't make a practice of rewarding a dog with food. A tidbit is all right now and then, but the dog should learn to work because he is asked to, and they stress that his reward should be a word of praise and a loving pat. A dog has a wonderful



Grey obeys word commands but Tan does better on hand signals. Here he sits up and pays attention to his master.

memory and he won't forget your attitude toward him."

Grey is now working on his CDX (Companion Dog Excellent). The basis of this advanced training is retrieving, which according to Robin is the most difficult skill to teach a dog. All dogs at some time or other carry objects about in their mouths and retrieve them when thrown in play, but in advanced obedience training they are taught to do this on command from the trainer.

After the CDX the next step is the UD (Utility Dog) training, which involves seeking a lost article, scent discrimination, and tracking. "They say this is the most interesting and satisfying of all, for both the dog and the trainer," Robin said. "We're hoping it won't be too long before Grey gets into this work. Tan may not earn any degrees, but he'll have a lot of fun trying, and he'll get results in his own way."

Robin is a member of the industrial relations department at Copper Cliff. For many years Bonnie was on the staff of radio station CKSO, and their daughter Dorothy was also in radio work at Sault Ste. Marie until her marriage there to George Jonescu. Their son Brian has carried on in his father's footsteps as a military man; he is an instructor at the Royal Ordinance Corps School at Montreal.

FOUR BILLION CANDLEPOWER

Each of the 20 powerful carbon arc floodlights used to illuminate Niagara Falls produces some 210,000,000 candlepower and generates a temperature of over 5,000 degrees Fahrenheit. To protect the carbon-feeding mechanism from the direct heat of the arc, the arc shields are made of Inconel nickel-chromium alloy.

PLATINUM CATALYST

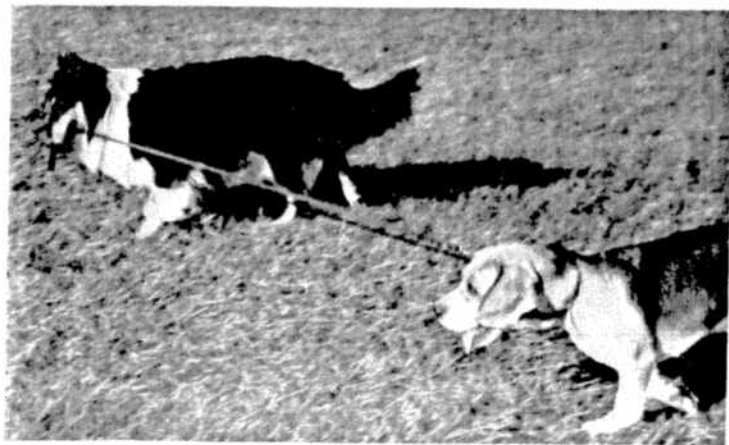
Three-quarters of a ton of the precious metal platinum — valued at over \$1,000,000 — is used in the form of a catalyst by a large petroleum refiner to produce high-octane gasoline.

UP IN THE AIR

"Yes," said the mountain climber, "I always keep a rope tied around my waist. It has saved my life more than once."

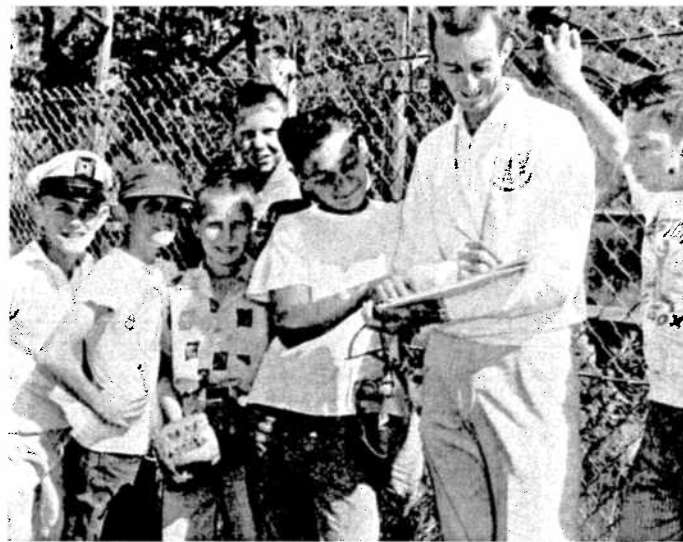
"But," said the listener, "it must be awful to be left hanging from a rope. Don't you ever feel nervous?"

"Well, not exactly nervous," came the reply, "Just high strung."



His ancestral background as a Scottish sheep dog comes in handy when Grey is told to bring Tan home for supper. Away he goes to round up his young friend, and soon returns leading him gently but firmly by the leash. If Tan isn't wearing his leash (right) an ear serves the purpose just as well. Tan submits good naturedly to this family discipline — so far.





LEFT: A favorite game with all groups, the game of "Trades", is being played here by some of the senior boys. The team facing the camera are "making" like carpenters (their trade), and as soon as the others guess this the chase will be on. When they're caught, the positions will be reversed. **RIGHT:** Recreational director Cam Desormeaux is shown making up the lineup for one of the senior boys' softball games, flanked by team captains Byng Uttley and Jack Walton.



This is the senior girls' softball team. In back are Phyllis Loupelle, Beverly McLeod, Agnes Walton, Donna Anderson and Jeannette Groulx and up front Glenis Stewart, assistant director Marlene Pickering, Stephanie Metroff and Wendy Hamilton.

To equalize the odds when they played an exhibition softball game against the girls, the boys dressed up like debutantes, and here are some of them in their finery. Maurice Joly, Gerrard Melsaac, Byng Uttley and Dick Fabris are in back with Franco Santone, coy Bill Hostrawser and Don Waytowich up front.

Summer Youth Program Sponsored By Creighton Athletic Association

When it comes to community spirit and recreation, Creighton yields to no town.

Take their summer program for grade school kids for example—it's a dandy. Each week day from 10 a.m. to 4.30 p.m. the ball field at Creighton resembles a three-ring circus with activity in all corners plus the centre.

"It's just an experiment," explained Athletic Association treasurer Jack Deacon, "but if enough kids are interested we'll continue it. With no ball team this year we have some money and a field that's not working, so we decided to try this."

Promoted and paid for by the Creighton Mine A.A., this recreational venture provides a pretty full day of sport, games and fun for any and all Creighton youngsters from kindergarten age to grade 8.

Cam Desormeaux, physical education and French teacher at Lively high school, is the very capable director with Marlene Pickering and Robin Lerpiniere his assistants. Of the 300 Creighton youngsters eligible, daily attendance is between 75 and 100.

The boys and girls are divided into age groups. Junior girls under Marlene Pickering play group games, have tea parties, play volleyball, run races, hear stories and occasionally go down Lake street for a swing or teeter-totter.

Junior boys are shepherded by Robin Lerpiniere and in addition to softball and soccer play a variety of games. "I've learned many games from the kids," Robin said. "They're pretty smart at making up their own." A form of croquet with softballs and bat is one of their favorites.

Senior girls love to play softball, in fact it's the most popular with all groups, and the day the Triangle called they played a challenge match with a team of senior boys dressed as girls. It was quite a contest with the boys putting on a real show.

With the senior boys of course it's ball, ball and more ball, either softball or soccer, they don't care so long as they are playing ball. In this group everyone has a chance to play and prove himself. Group games are also included in the boys' schedule.



A tea party is fun anytime if you happen to be a girl, and if you happen to be a very young girl it's even more fun when Freshie is served. That's what's happening here as part of the junior girls' program. Sandra Farrell, Giselle Joly and Barbara Vagnini are the "ladies" pouring.



Dolls and tea parties may be okay for the girls, but nothing so genteel appeals to the boys in Creighton's summer playground program. Here Mark Sabourin hurls himself against a human chain, with Richard Cushnir and Rene Groulx holding against him in one of the popular games. Robin Lerpriniere, who has charge of the junior boys' activities, is seen at the left.

A favorite game among all groups, director Desormeaux told the Triangle, is "Trades." This is a form of charades in which two teams line up facing each other and one goes through motions depicting some trade. When the opposing team guess it correctly they chase the performers and when they are caught the positions are reversed.

Future plans call for a special day each week when some particular theme will be featured. "We have a safari day coming up that should be fun," the director said. Making native costumes, tribal

dances, cooking and engaging in mock warfare will all be a part of the day's program, he said.

Rainy days are spent indoors at Lake street hall if available, otherwise activities are called off for the day. "They are a good bunch of kids" Desormeaux said, "and they behave well. They have a lot of fun too."

A fine effort is this Athletic Association project, not only providing good, organized sport for healthy young bodies but also helping impressionable youngsters realize the importance of sportsmanship.

President Gordon at Copper Cliff



During a recent visit to Copper Cliff, J. Roy Gordon is shown on the left here as he received congratulations from E. H. Bracken, superintendent of the Iron Ore Plant, on his election as president of Inco at the meeting of the board of directors held at Thompson, Manitoba, on April 29. In the centre are R. R. Saddington, manager of reduction plants, and D. Kelly, assistant to the manager of reduction plants.



Also receiving congratulations was Paul E. Queneau, at the right in this picture, who was elected technical assistant to the president. He is seen chatting with G. A. Harcourt, assistant to the vice-president and assistant to the general manager of the Ontario division, H. F. Zurbrigg, chief geologist, and E. G. Stoneman, assistant manager of reduction plants.

Brought Home Chapleau Challenge Trophy



These indestructibles from Copper Cliff branch of the Canadian Legion played heads-up softball to bring home the Chapleau branch challenge trophy: front row, Herk Flynn, Harvey Nadeau, Roy Maud, Chick McDonald and Del Briscoe, and behind them Roly Roy, Specs Telford (coach), Charlie Charlebois, Bob McGhee, and Bub Jewett. Members of the team not shown were Johnny Wallace (manager), Roy Longfellow, Artie Wulff, Mike Narduzzi, Ed Blanchard, and Super Bertuzzi. A highly coveted prize among Northern Ontario legionnaires, the Chapleau Legion trophy has also been won twice by a team from the Levack branch.

Dan Mallette

Recently retired on disability pension from the nickel reverberatory furnaces at Copper Cliff was Dan Mallette, who joined Inco during the war years. With his heart acting up he has been advised to take things easy for awhile.

Born on a farm in Quebec in 1895, Dan came to Sturgeon Falls when he was 19 and worked in the paper mill there for the next 10 years. He later farmed in that area and raised his family there too.

During World War II he went to Nobel and helped make explosives, then came to Sudbury in 1942 to take a turn on the nickel front. In the nickel reverberatory department he worked as binman and helper on the roasters. "Working on the roasters was a good job," he said.

He was married first in 1919, and his wife died in 1943. In 1952 he married Mrs. Sauve of Sudbury, and they live on Mountain Street.

Dan has one son Gabriel working in the shops at Copper Cliff,

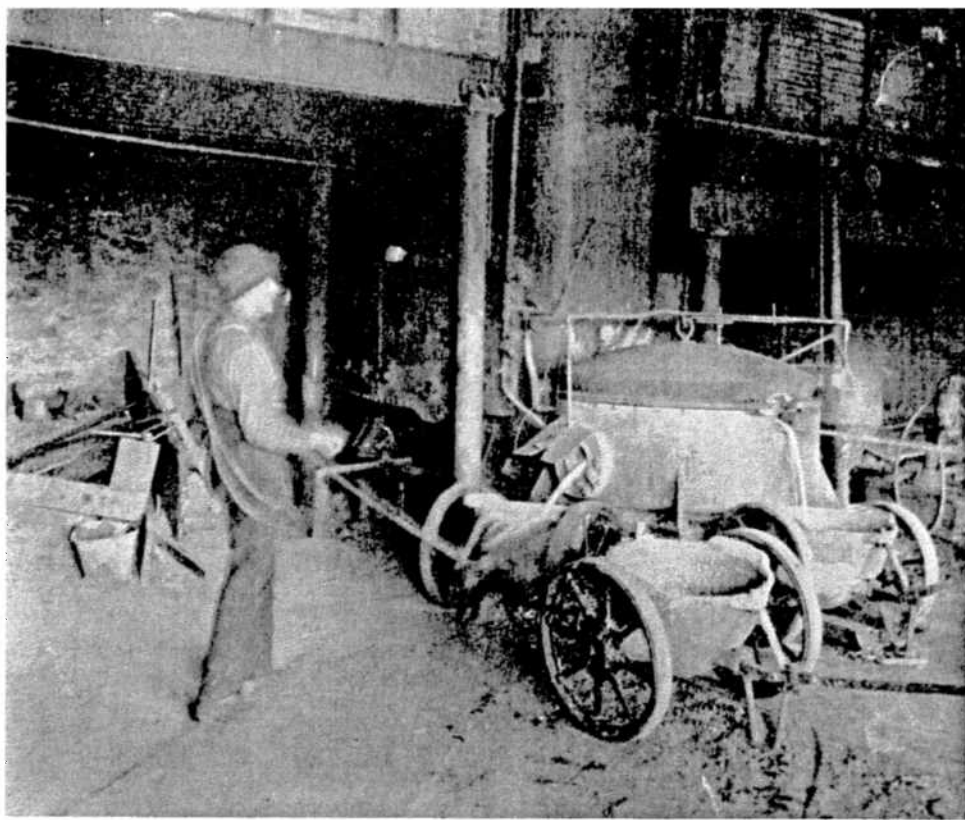
but the remainder of his family are away: Andy, Ferne, Simon and Gaten are all in London, Ontario, and his daughter Madeline (Mrs. P. Deslaurier) lives in Brantford. He has 15 grandchildren.

Visiting his sons, daughters and grandchildren is one very pleasant way Dan and his wife plan on spending some of his new leisure time, and he is already talking of taking a part-time job when he gets back his old vigor.

His many friends at the smelter join in extending good wishes to Dan on his retirement.



Dan and Mrs. Mallette

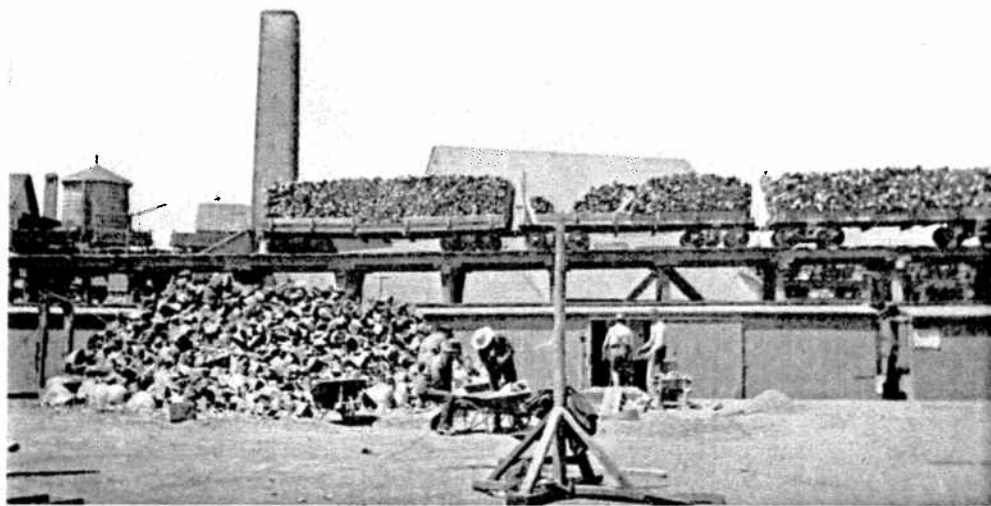


Matte (left) and slag are being tapped simultaneously from a blast furnace settler in this rare inside shot of Copper Cliff's first smelter.

Rare Historical Pictures First Smelting Operations



For cooling, the matte from the blast furnaces was poured into a large vat. Switch, Copper Cliff pensioner who started as a



ABOVE: Here matte skulls from the small pots are being loaded into boxcars. BELOW: Trainloads of firewood were a familiar sight. Heaped on great stacks of cordwood, ore was roasted for several weeks to reduce its sulphur content before being charged to the blast furnaces.



A treasure-trove of photographs of smelting operations at Copper Cliff has been unearthed in the national Nickel Company's archives (left) and is the son of one of the nickel industry's pioneers.

These rare photographic plates, remarkably well preserved, were presented to Bayard D. Browne of New York, who, in 1916, arrived in Copper Cliff on a charge of all sampling and laboratory work for the Copper Company. He remained with the company until his death in 1916, and became an international authority on the metallurgy of nickel.

Dr. Browne, who is co-ordinator of export sales for the Ethyl Corporation, came across the historical pictures recently while going through some of his father's personal effects. He sent them to Inco president J. Roy Gordon who, in acknowledging his thoughtfulness, assured him that they would make an invaluable addition to the Company's records.



David Browne

The first smelter at Copper Cliff, called the East smelter, was built in 1888 by the Canadian Copper Company. The site is now covered by the big slag dump. The East smelter was on Cliff Road about half a mile east of the present smelting plant began in 1904. The brickwork has been uncovered during the recent excavation for use as ballast.

The East smelter ceased operating in 1899 and was subsequently burned. In 1899 an additional smelter, the West smelter, which commenced operation that year, was erected near No. 2 Mine. The West smelter was also destroyed by fire, on June 14, 1904. The present smelting plant began in 1904. The first tap was made on July 17, 1904.

Number one blast furnace was blown in at the East smelter on December 1, 1889. From that time to December 31, 1889, 23,000 tons of ore were used, producing 31,268 tons of matte, averaging probably about 18 percent nickel. Furnace number two started September 73 days during the period to December 31, 1889, producing 1,210 tons of matte.

(Continued on Page 12)

Taken in 1892, Shows s at Copper Cliff



red on the open ground in the smelter yard. Jack
r in 1900, recalls such scenes.

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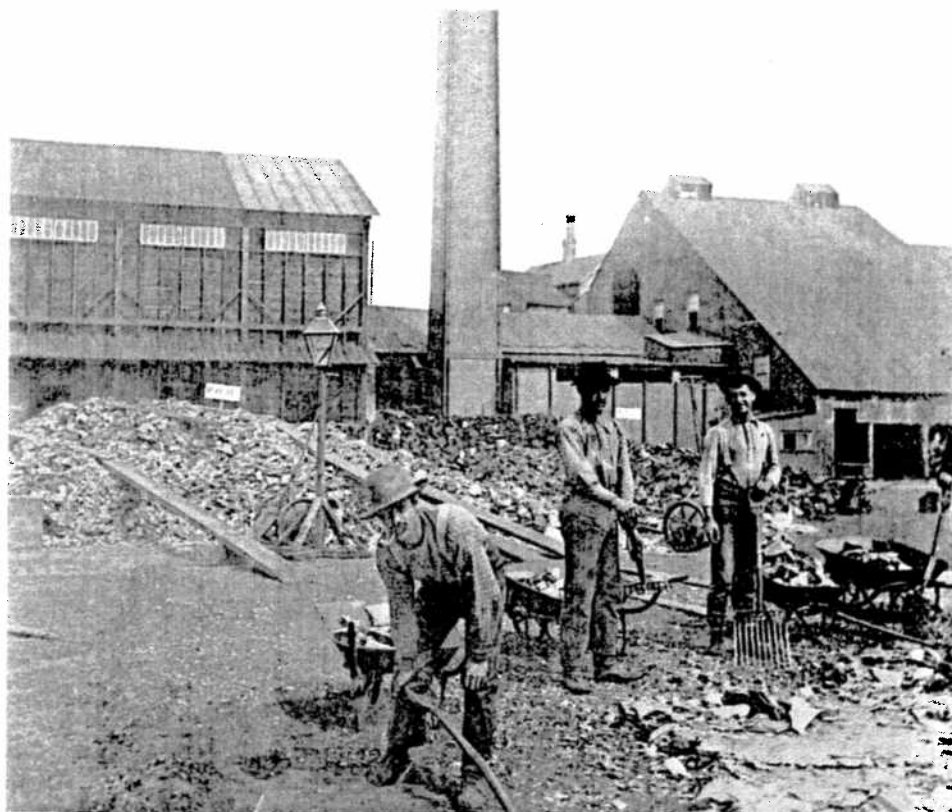


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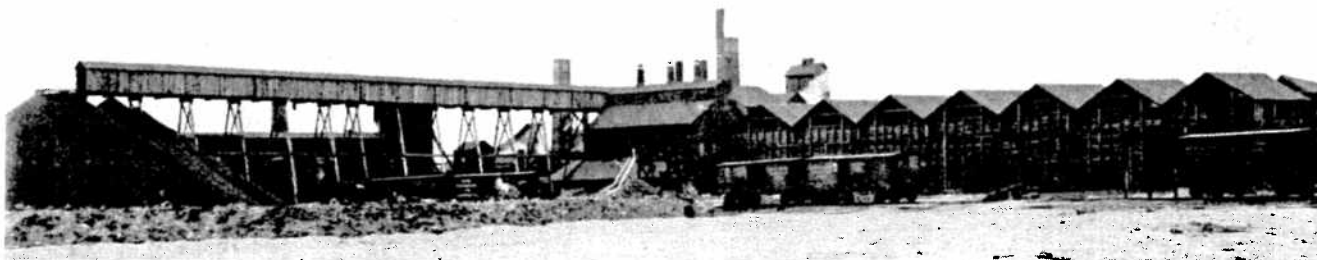
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After cooling the matte was broken up and put on the stockpile or loaded into railroad
cars for shipment to the refinery. Note the fancy kerosene street lamp.



ABOVE: These two fine views
show the East smelter from both
the north and south sides. They
were taken in 1890, a year or so
earlier than the other pictures
on this page. LEFT: The East
smelter laboratory where David
H. Browne first worked at Copper
Cliff.



A typical scene is this outside the Inco Medical Centre as Mrs. Kurt Fuerniss, whose husband works at Creighton, joins the perambulator parade with baby Linda.

Inco's Sudbury Well-Baby Clinic In its 15th Year

As popular as ever after 15 years of operation, the Well-Baby Clinic at the Inco Medical Centre in Sudbury is still the mecca for mothers and infants each Tuesday afternoon throughout the year.

An average of 100 to 175 kiddies are registered each clinic day, depending to a marked degree on the weather. The perambulator parade starts promptly at 1 p.m. and continues through to 4 p.m.

At the Medical Centre, doctors, nurses and receptionists coordinate their efforts to reduce waiting time to a minimum. Some delay is inevitable, however, as it is physically impossible to serve from 20 to 30 patients simultaneously.

"Basically this is a well-baby clinic," emphasized Dr. J. B. Stanyon, "where we practise preventive medicine. The purpose is



After registering at the main desk, mothers are guided by nurse Mary Sauriol to whatever phase of the clinic their children require. Mrs. Edgar Serre, whose husband is a Copper Cliff smelterman, is shown with 2½-year-old Jeanette, in for a booster shot. Waiting their turns are Mrs. Robert Briggs with Sherry-Ann and Mrs. Mike Hucal with Patricia; both their husbands also work at Copper Cliff.



Paying his first visit to the clinic Peter Konikow, whose dad is a driller at Stobie, was pronounced "a fine healthy baby" by Dr. H. Blejer. Peter will return when he is about three months old for his first immunization shot.

to prevent certain known diseases through inoculation and, by examination, detect other troubles in the early stages." Continuing Dr. Stanyon pointed out that of the thousands of infants inoculated and vaccinated, few if any would suffer the ravages of a number of grim diseases common not too long ago. "In fact we haven't had a case of diphtheria or small pox for years," he said, "and whooping cough has been greatly reduced. I'm quite happy with the clinic and it certainly is serving its purpose."

Mothers generally first bring their babies when they are about one month old. After registration the baby is weighed, then examined by a doctor. Weight increase since birth is checked and, if not satisfactory, treatment is prescribed. During this or subsequent examinations many ailments are diagnosed which respond to early treatment and save immeasurable suffering and heartache later.

First needle is given at about age three months, and despite a lingering apprehension on the part of mother and a "take it away" attitude from baby, this

operation is quick, efficient and practically painless. Furthermore today's serum is a four-in-one "package deal" covering diphtheria, whooping cough, tetanus and polio, the latter added just last year and tetanus about 10 years ago. "Fifteen years ago," Dr. Stanyon pointed out, "it was rare for a child to be immunized before school age. Today most kids have their shots by the time they are six months old, and that's the time it should be done because any of those diseases are very hard on small children."

Full immunization requires three shots, given one month apart, followed by three booster shots at the 9th, 18th, and 24th months. Vaccination for smallpox is usually given with the second needle. Thus armed, today's children face a much healthier future than did their parents.

With an average of some 500 to 600 babies attending the clinic monthly since its inception in 1945, the benefits of this service are almost incalculable.

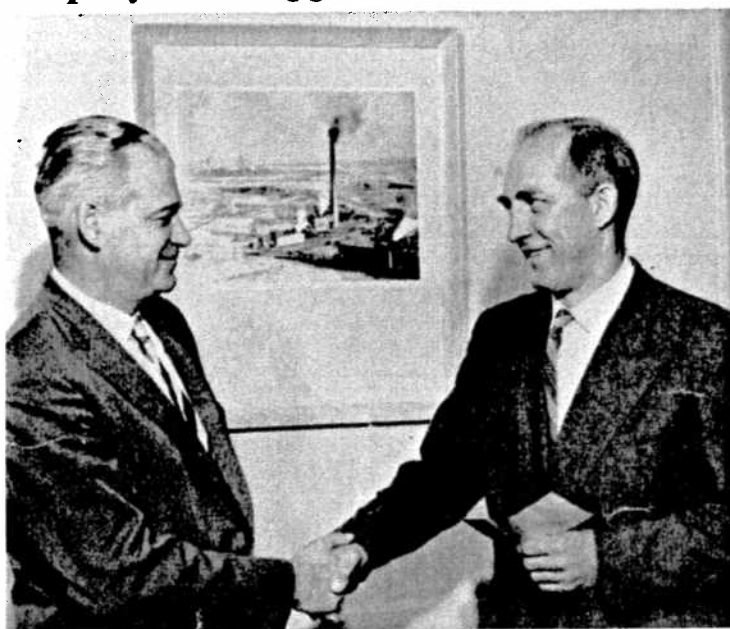
Inco Well-Baby Clinics are also held regularly at Creighton, Lively, Copper Cliff, Coniston, Chelmsford and Levack.

"Hey, Mac," yelled little Gary Hansen, but he found the needle wasn't so bad after all when administered by quick, efficient nurse Ranona Boyle of the Medical Centre staff.



Both laboratory and x-ray facilities stand by for use by the clinic. Here Inco lab technician Helen Zinuk is seen examining a blood smear under the microscope.

Employees' Suggestion Plan Pays Off to Tune of \$456.00 for Jack Mitchell

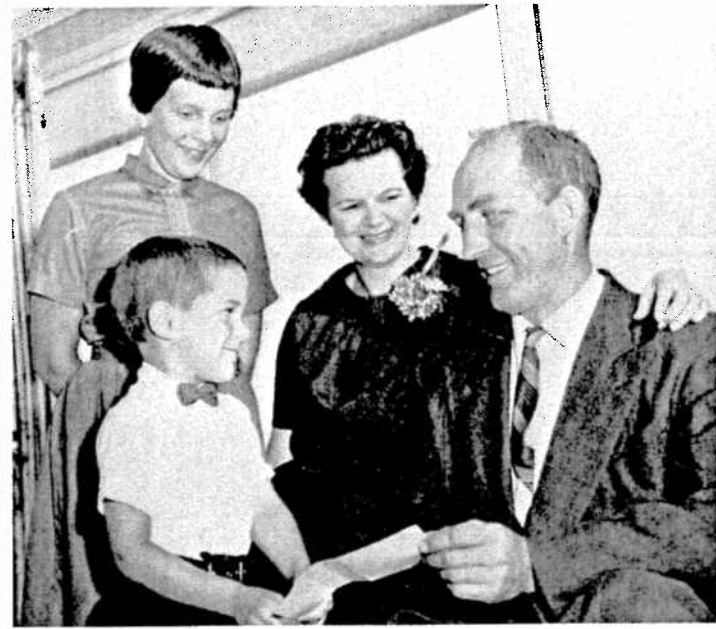


A \$456.00 cheque for doing a little extra thinking on the job was the handsome surprise awaiting Jack Mitchell when he answered a call to the office of the manager of reduction plant, R. R. Saddington, one day last month.

Jack had submitted an idea to the Employees' Suggestion Plan committee for a change in the method of rebuilding Hart-Otis railroad cars, and after a thorough

trial it was found to result in substantial savings. In the picture on the left Jack is shown receiving his cheque from plant manager Saddington, who thanked him for his interest in the Company and warmly congratulated him on the success of his suggestion.

In the second picture Jack is seen sharing his pride and happiness with his attractive family. His wife had an extra special big



kiss for him when he arrived home with his award, as did also Vicki, 10, and John, 5. The \$456.00, they decided, would go toward building a garage on their lovely new home on St. Raphael Street, Sudbury.

A maintenance mechanic leader at the Iron Ore Plant, Jack has been with the mechanical department for 19 of his 21 Inco years.

"A thing like this really makes a fellow think what a wonderful

Company we've got," he remarked to the Triangle. "This was the first time I put in a suggestion, but believe me it won't be the last."

Sam Zivkovich

Born in Yugoslavia 62 years ago, Sam Zivkovich came to Canada in 1927. With Inco service dating from 1933 he is retired now on disability pension.

Starting with the Company at Port Colborne back in 1929, Sam was laid off in the depression 1931 and taken on again 2 years later at Copper Cliff. He worked on the cupola furnaces for many years



and spent his last 14 years as a tapper on the blast furnaces. Sam liked his work and, but for an old foot injury that gave him trouble, would have stayed on to full retirement.

During his first couple of years in Canada, Sam worked in the bush around Cochrane; during the depression he spent some time helping build the trans-Canada highway. He was raised on a farm in the Old Country and also spent several years in the army there.

In 1918 he married a girl from his own village who had the same name but was no relative; Mila Zivkovich became his wife and they were blessed with two daughters, Milka and Dragica, both now married. Their son Nikola was killed in the war. They have two grandchildren. All have remained in Yugoslavia.

Sam was back for a visit in 1956 and will probably go again when his leg is in better shape. Meanwhile he's taking life easy and enjoying it.

Some men have ideas; other men have notions. How easy it is to mistake one for the other.

Hospital Nursing Staff Holds Fifth Annual Reunion



There were 52 past and present members of Copper Cliff Hospital nursing staff at the fifth annual reunion held in the Canadian Legion hall. This year the husbands were invited for the first time, and it was generally conceded that they added quite a bit to the evening's enjoyment. Seated in the group shown above are Marnie Longfellow, Allegra Walker (superintendent of nurses), Betty Hazleden, and June Mangan (Toronto); behind them are Harv Mellow, Roy Longfellow, Ted Foster, Barbara Mellow, Gladys Dand (Burks Falls), June Ganton, Phyllis Carley, George Carley (partly hidden), George Hazleden, Dorothy Foster, Grace and Jim Twiss (Rexdale), Harold Dand, and Norma and Bill Darrach. The reunion took the form of a banquet and dance.

Two Views of Town of Copper Cliff in 1892



Two more of the rare photographs turned over to the Company by the son of the Canadian Copper Company metallurgical engineer, David H. Browne, are these views of Copper Cliff in 1892, taken from the hill on Granite Street behind the present municipal building. They were identified for the Triangle by a colleague of the late Mr. Browne, Inco pensioner John W. Garrow, who joined the Company in 1905.

The building on the left, on the present hospital site, was the

general office of the Canadian Copper Company. The house farther on, at the base of the Clarabelle Road hill, was the home of Dr. and Mrs. Coleman, the latter locally famous as Kit, correspondent of the Toronto Mail & Empire. On the left side of Clarabelle Road, as it climbs the hill in the distance, can be seen the log cabins which were the homes of such pioneers as the Stoddarts, the Boyds, the O'Donnells and the McKerrows. Those well-built cabins still stand.

Facing the camera, at the corner of Granite and Serpentine Streets, where the Bank of Toronto now stands, was the Yellow Club, a toney bachelors' residence. Next was Hamilton's store, later to become Oliver's Hardware Store. Opposite the Yellow Club, on the site of the present MacIntosh Block, was Dick Anderson's Tailor Shop. In the right corner can be seen part of the roof of Hamilton's Livery Barn, where a horse and rig could be rented for \$1.25 for the trip to Sudbury.



Boyle's and Boyd's boarding houses are two large buildings in the centre of this second picture, which is a continuation to the right of the first picture and shows the upper part of Serpentine Street. The long log structure farther on

was Pitt's boarding house. Across the street from Boyd's was Bill Kilpatrick's Store and post office.

Les Wingrave, of the Copper Cliff smelter, has a copy of a photograph taken from the same location in 1900. By then Copper

Cliff No. 2 mine was in operation, as also was the West Smelter, and the buildings of these operations appear on the skyline, but they were still far in the future when the above early scene was recorded for posterity.

Rare Historical

(Continued from Page 9)

Of those momentous operations Alexander Gray wrote in 1911 in *The Mining World*, Chicago: "Details of those pioneering days, descriptions of the frequent explosions at the furnace and of the green workmen bolting at every unusual sound, recitals of the struggles of the manager night and day to keep the process going, would consume more space than is available. In retrospect they are all part of the romance of metallurgy as it began at Copper Cliff. At the time dis-

couragements were distressing if not altogether promotive of despondence."

E. A. Collins also described in one of his chronicles the many "days of labour and nights devoid of ease" experienced by the early smeltermen as they "worked unceasingly to make repairs in tap-holes or jackets, facing, at every tap from the settler, a barrage of explosions which one observer compared to a Gatling gun in action".

The first furnace was manufactured by the Jenckes Machine Company of Sherbrooke, P.Q., after

the Herreschoff patent. "It was elliptical in form," wrote historian Collins, "having a longer diameter of 6 feet 6 inches, and a shorter of 3 feet 3 inches at the tuyeres, increasing in size upwards, and measured 9 feet in height to the charging door. It was built of rolled steel, with a water space of 2 inches between the outer and inner plates, with a cast-iron bottom plate protected by fire-brick, and the whole resting on four strong iron supports.

"A light dome of plate steel, fire-brick lined in the crown and sides, covered the furnace, and in one

side of this dome, on a level with the ore bins, was the feed door. A cross-flue or dust chamber connected the dome with the chimney.

"The well, fore-hearth, or settler was constructed of double plates of cast-iron having a water space between of 6 inches, and rested upon four wheels for convenience in moving whenever repairs were necessary, a spare settler always standing ready to be put in place.

"The blast was furnished by a Baker rotary blower and entered the furnace through 11 tuyeres, under a pressure of 8 to 10 ounces per square inch. The furnace had a capacity of 120 to 150 tons of matte a day, from ore which was first heap-roasted to reduce the sulphur."

Matte, which settled to the bottom on running from the furnace into the fore-hearth or settler, and slag, which floated on top, were tapped into small pots. The matte was poured on the open ground in the smelter yard to cool, then broken up and loaded into boxcars for shipment to the Orford Copper Company plant at Bayonne, New Jersey, for refining by the newly discovered Orford Process, and to various smaller customers.

Coke for the blast furnaces was shipped by boat from Cleveland to Algoma Mills, and thence over the Canadian Pacific Railway to Sudbury.

Jack Switch, who started as a teamster with the Canadian Copper Company in 1900, recalls the great storage piles of coke in the smelter yard, and also the huge heaps of granulated slag.

Some difficulty was experienced in attracting good workmen to the new camp due to its isolated location, although the wage rates were high for those days: mine captain, \$145.00 per month; assistant captain, \$90.00 per month; master mechanic, \$100.00 per month; teamster, \$45.00 per month; drill runner, \$2.10 per day; miners, \$1.75 per day; laborers, \$1.60 per day; foremen, \$2.00 per day; engineer, \$2.00 per day; machinist, \$2.25 per day; blacksmith, \$1.75 per day.

In April, 1889, the personnel of the staff in charge at Copper Cliff was: manager, Dr. Edward D. Peters; assistant manager, John D. Evans, succeeding L. H. Ashmun; smelter superintendent, James McArthur; office manager, Thos. M. Kirkwood; Copper Cliff Mine, Capt. Jones, succeeding Capt. Frank Andrews; Evans Mine, Capt. Bluett; Stobie Mine, Capt. Thomas; master mechanic, John Gregg.

Later Capt. Davis, Capt. James, Capt. Hambley and Capt. Harris were added to the mining staff, with J. Wesley Collins, of Trenton, in charge of the supplies warehouse.

During the calendar year 1890, the extent of the Canadian Copper Company's operations at Copper Cliff was indicated by this table:

Ore to Roast Yards:	
Copper Cliff Mine	32,742 tons
Evans Mine	32,159 tons
Stobie Mine	6,860 tons
Furnace Record (two furnaces part time):	
Hours in blast	8,084
Roast-ore smelted	34,635 tons
Green or raw ore smelted	1,520 tons
Matte produced	7,863 tons
Coke consumed	5,475 tons
The budding industry was beset	

The Roving Camera



This month the Roving Camera has sought out some of the 325 students who have obtained vacation employment with Inco to bolster their bank accounts for the coming term. The attractive young lady shown above at one of the reception desks at Copper Cliff is an Inco scholarship winner, Lynn Passi of Sudbury, who has completed her second year in Arts at the University of Toronto, majoring in history. Her ambition after graduation is to join the teaching staff at Sudbury High School, where she was a student.

by the trials and tribulations incident to opening up mines and building a smelter in the backwoods of Ontario. Transportation was slow and unsatisfactory. Supplies were delayed in transit. Often the management were completely short of coke or essential machinery replacements, but, nothing daunted, Peters, McArthur et al fought their way through to ultimate success.

There were other problems on the human side of the sheet. H. P. McIntosh, the Canadian Copper Company secretary, wrote to Dr. Peters in June, 1889: "We note the flies are troubling you terribly and certainly sympathize with you in your affliction, but hardly enough to go there and suffer with you. We contemplated making a visit to Sudbury very shortly, but guess we will have to postpone this until after the departure of the flies. How soon do you think this will be." The reaction at Copper Cliff to this official kidding was perhaps too sulphurous to record.

Mr. McIntosh had a saving grace of humor which probably, on frequent occasions when the hard-pressed young industry was "only about one jump ahead of the bailiff," kept him from tossing in the sponge. His name ranks with that of the first president, S. J. Ritchie, as a guiding genius of the Company during the perilous days of its infancy.

David H. Browne succeeded Francis L. Sperry, for whom the mineral sperrylite was named, as metallurgical engineer at Copper Cliff. Among his many notable

pioneering achievements in nickel metallurgy was the Browne process for making electrolytic nickel. By a coincidence pertinent to this story, a sample cathode of nickel produced by his process in 1898 hung in the office of J. Roy Gordon when he was at Copper Cliff, along with the following record of assay: nickel, 99.36%; copper, .07%; cobalt, .20%; lead, .03%; iron, .14%; sulphur, .02%.

NICKEL AIDS SPACE VEHICLES

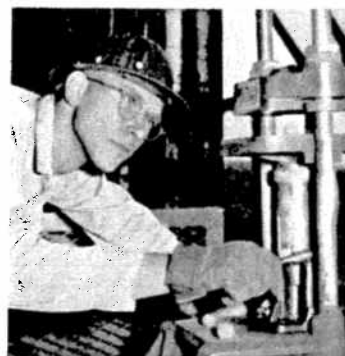
Nickel or nickel alloys are used in nearly all components of space vehicles — in the electronic equipment, in the skin where toughness at very low temperatures or strength to resist the effects of aerodynamic heating is needed, where corrosion-resistance is required and in those portions of the rocket engine which are subjected to high temperatures.

SPECIAL CABIN FOR BATHYSCAPH

The cabin of the bathyscaph "Trieste," which recently set a world's record by descending almost seven miles below the ocean's surface, is made of a high-strength nickel - chromium - molybdenum steel three and a half inches thick to protect it from the crushing effect of underwater pressures.

THAT'S WHAT IT SAID

A newly married man found his bride sitting stock still in the kitchen. She was following a recipe which said: "Don't stir for 15 minutes."



Shown here as he carries out a test in the laboratory at the Iron Ore Plant is Don Androsoff, who has completed his second year in chemical engineering at the University of Saskatchewan. Last summer he worked at the Copper Refinery. Holder of an Inco scholarship, he hopes to obtain his master's degree in metallurgy or in nuclear chemistry.



On student exchange from University of Swansea College, one of the four colleges in the University of Wales, Glyn Taylor is working on the oxygen flash furnaces at Copper Cliff smelter. His home is in Swansea, near Clydach where the Inco-Mond nickel refinery is located, and which he has visited on a student tour. He is impressed by the high standard of living in Sudbury, and finds the people very friendly, but was surprised to find the girls "so far behind the fashion with their old-fashioned long skirts."



Another overseas exchange student is Ted Zegers, seen punching in for his regular shift underground at Murray mine. He has completed the fifth year of his seven-year course in mining engineering at the University of Delft, Holland. He has been particularly impressed by the size and scope of Inco mining, and the importance placed on the safety program.



Another "repeater" as far as vacation employment at Inco is concerned is Doug Whelan, seen above examining a beaker of filtered solution at the Copper Refinery. From Welland, he has completed his second year in metallurgy at Queen's University. He likes everything about Inco, and hopes to join the Company permanently after completing his university education.



Allan Torvi, whom the camera found repairing a chain block in the mill at Creighton, is in mechanical engineering at the University of Western Ontario. After attending high school in Sudbury he worked for four years, serving his apprenticeship in the Creighton mine machine shop, to earn money for his university career. He recently married Rosalie MacDonnell, a school teacher who like himself was born in Sudbury.



From the University of British Columbia, where he has completed his second year in chemistry, comes Arpad Toth. He is seen at work in the mill laboratory at Copper Cliff. On coming to Canada from Budapest in 1956, he worked for Inco for a year before starting on his university career. His ambition after graduation is to do research work for the Company. He is the president of the judo club at UBC.

Shadow owes its birth to light.
—John Gay

Lively's Big Annual Community Celebration Again Enjoyed By All on July 1



Rain or shine, Lively Athletic Association always comes through with a fine July 1 celebration to mark Canada's national birthday. And the community shows its appreciation by turning out en masse to compete in the races, take part in the parade, and enjoy the games on the midway. The youngsters in the above pictures show lots of drive as they scramble for the lead.



Proceeds of the celebration are spent on various community projects undertaken by the Lively A.A., of which Jim Dewey is president, Jim Oliver vice-president, Wes McNeice secretary, and Robby Robertson treasurer. More of the racers are shown above — that fellow in the centre looks like he's going all the way for a touchdown. The four good sports on the right are Mrs. L. Lefebvre, Mrs. Bob Spriggs, Mrs. L. Mulligan, and Mrs. Raymond Wyrwas; they uncorked a dazzling burst of speed with Mrs. Wyrwas the winner.



Lively's Mayor Len Turner and his wife presented the parade prizes. In our cover picture Mrs. Turner hands the award for the best doll carriage to Susan and Clair Pinard and Diane Meilleur. On the left above, with president Jim Dewey, are the best bicycle winners, Christine Wyrwas and Doug Hayes, and the best tricycle owner, Peter Crouse. The little ricksha girl on the right, with secretary Wes McNeice, is Heather Book. There was a big turnout of athletic association members to help run the events.

Levack Teen-Agers' Bowling League Winds Up In Style



The league's champions pose with Mrs. Stanich and Mrs. Davidson.



is seen with two of the individual prize-winners, Gary Tuomi and Ann Rintamaki; below are three other individual stars, Barry Dugal, Pauline Dufresne and Basil Delorme with the club receptionist, Mrs. Ralph Davidson.

Pride of Levack's teen-age set are the musicians shown here at action stations. Needing an orchestra for a teen-agers' party last Christmas, Mrs. Stanich organized this quintet, and they were a hit from the start. Left to right are Jimmy Laberge, Morris Saniuk, Basil Delorme, Denis Ogle and David McCoy. Known as Levack Vallants, they are playing a regular weekly dance this summer at a Parry Sound resort.

The final picture shows the effect the Vallants have on their young admirers. Nearest the camera in this picture taken at the teen-age bowling league's cabaret party are Gerry Dusick, Heather Puro, Gladys Didur and Bob Glencross.

"We're hoping it will be even bigger and better than ever," said Mrs. Stanich of next season's teen-age program at the Employees Club, and if the enthusiasm shown last winter is any indicator, she's going to get her wish.

Ivan Zagar

"The job I liked best in the mine was chute blaster," said Creighton's Ivan Zagar. Retired now on an early service pension Ivan worked many years blasting chutes on several levels at Creighton.

Coming to Canada in 1924 and finding himself jobless in Winnipeg, he and a brother came east to Creighton and started work at No. 3 shaft. Laid off in 1931 Ivan made a trip back to his native Yugoslavia, then returned to Creighton in 1933.

Starting at No. 4 shaft he was driller for a couple of years before returning to chute blasting. He moved over to No. 5 shaft when things started to hum there, spending some time as motorman and trammer boss. During his final nine years he was a powderman on surface.



Ivan and Mrs. Zagar

In 1923 Ivan married Ivka Yurasic and she joined him in Canada in 1956. They are returning to the old country this summer where they have a married daughter Mary and twin sons Joseph and Ivan.

A resident of Creighton for many years and a good produce gardener, Ivan admits he will miss all that. "I liked living in Creighton very much," he said.



Here are the Levack Vallants, a teen-age sensation in their first season.



A sample of what the Vallants do to the customers.

"The nicest group of young people you could find anywhere." That's Mrs. Barbara Stanich's opinion of Levack's teen-agers, and as stewardess of the Employees Club, the community's recreation and entertainment hub, she's in a good position to know.

One of the teen-age activities Mrs. Stanich has promoted at Levack was a 14-team bowling league which wound up the season in real style with a dance and presentation of prizes. About 190 attended the grand finale.

Gerry Dusick was chairman of the presentations, which were made by a group of citizens led by mine superintendent F. M. McAteer. In the layout at the top of the accompanying pictures are seen the league champions. Cuff links and lockets, along with the trophy, went to the members of the winning team, shown on the left: Marlene Lefebvre, Yvonne Allen, Gladys Didur, Doug Dupuis and Eddie Kelland. At top right Mrs. Stanich

Jim Harvey Flew Plane to Thompson



Jim Harvey in the cabin of his Piper Cub G3, CF-BRQ.

Jim Harvey helped blaze the air trail from Sudbury to Thompson last month when he flew his smart little Piper Cub aircraft out to his home in the new Inco community in northern Manitoba.

"No trouble of any kind," was Jim's laconic reply when the Triangle checked him by telephone after he had reached his destination. "Everything went along as planned."

Taking off alone from Lake Ramsay, Jim flew the 1,250 miles to Thompson in hops of approximately 150 miles, coming down for gas at Chapleau, Oba Lake, Nakina, Armstrong, Sioux Lookout, Lac du Bonnet, Berens River, and Norway House.

He averaged about 17 miles per gallon at a cruising speed of around 70 miles per hour.

"Got a little lonely at times, was all," said Jim. He had never before flown outside the Sudbury district.

Other Inco men who have flown their own planes from Sudbury to

Thompson are Jim Donahue, formerly of the Copper Refinery, and Art Schwandt of the electrical department. Grant Hambley of the geological department at Thompson also has his own aircraft.

Jim Harvey took up flying as a hobby in 1954, when he went to Toronto's Island Airport for a course of lessons during his holidays. He now has almost 400 hours to his credit.

Fond of camping vacations, the Harveys have found their Piper Cub ideal for taking them to out-of-the-way places. Last year, for example, Jim flew his wife and four daughters, one at a time, in to Burwash Lake for their annual family holiday. Now they'll be making their camping excursions to big, beautiful Paint Lake and other ideal summering places in the Thompson district.

A long-time Inco man, Jim is an efficiency engineer with the mines department.

on the high flying Kirwans early in the season, but his claim brings an immediate denial from that club. "No one ever pulled a triple play on us," retorted Ken Glynn. "I asked most of our fellows and they don't remember one."

S. F. D. A. Soccer Notes

By Bill Gaylor

Ontario Cup Playdowns

Olympia defeated Quirke Eagles from Elliot Lake 8-0 in the Northern Ontario semi-final and a week later defeated the Hollinger Mine team from Timmins 5-0 to earn a semi-final berth in the provincial playdowns. Frank Wendel with four goals and Hans Wehrmann with three were the big guns in the double win.

League Competition

The Italia team have a four-point lead over Adria and at this stage must be considered favorites to repeat as league champions for 1960. They have yet to lose a league game, thanks to stellar goalminding by Tino Cerri, whose 1.00 goals-against-per-game is tops, and Eddie Palladino's eight goals which ties him with Drago Konjevic (Adria) and Jim Gadjek (Caledonia) as leading goal scorers.

Caledonia came through with their first win of the season on a hot Sunday afternoon when they defeated White Eagles 4-3. Jim Gadjek and Angelo Anselmo have been playing consistently good football in the Caledonian cause. The win was a popular one and raised the Scotchmen's hopes of making fourth place and a berth in the league play-offs.

Adria are holding down second spot with the veteran Willy Schuran leading the attack and goalkeeper Luci Toth turning in steady games. Olympia, concentrating on playdowns, have slipped to third place but with two games in hand are only four points out of first place.

White Eagles have hit a slump and will have their hands full to hold off the fast improving Caledonians.

Charity Cup

In 1928 the late Honourable Charles McCrea donated a trophy to raise funds for injured players. The competition is played on a knock-out basis. The officials help the cause by donating their services. Olympia, winners for the past two years, reached the final as the result of a 1-0 win over Italia on Frank Wendel's overtime goal. Caledonia lost to White Eagles in overtime and they in turn were eliminated by Adria. Olympia then met Adria in the final on July 27 and hung up a 2-1 victory, coming from behind with a pair of last half goals.

Junior Soccer

The highlight of the young minor soccer season was the visit of the Barrie Bantams to Sudbury to play an all-star junior team. Although losing 2-0 to the older juniors the boys gave a fine demonstration of the game. The Bantams have been together for five years and was organized by the Barrie Police De-

partment and are now sponsored by the Barrie Legion.

Italia, who remain undefeated, lead the junior league by one point over the High School Eagles, whose team spirit make up for their lack of football skill.

Adria and Olympia with younger players have found the going hard but are developing for the future.

John Burgess

"We asked the station agent at Beachburg which was the better place, Sudbury or Kirkland Lake, and he said Sudbury," John Burgess told the Triangle, "and that's why we came here. He wasn't wrong either," he added.

Retired from Garson on service pension John was born and raised near Beachburg in the Ottawa Valley. His father bought him a farm in southern Quebec when he grew up but John soon traded this for an apartment house in Vermont. Burned out of this building a few years later he then built and operated a gas station, found it profitable so built and sold a couple more. "It's nice country down that way," John said. "I wouldn't mind living there again."

Coming to Sudbury in 1936 he started work at Creighton where he spent the next six years as a raise driller. Transferred to the Open Pit in 1942 he worked there as a pit miner and on the blasting gang until 1957 when he transferred to Garson. He was powderman there on 2600 level until his retirement.



John and Mrs. Burgess

"I liked working underground," John declared, "and they were a good gang at Garson. Coming up in the cage after my last shift the boys ripped my old shirt right off," he laughed. "Told me I wouldn't need it again."

He was married in 1918 to Hazel Beach and they have a daughter Hazel (Mrs. C. Rutherford) of Toronto and a son Ralph at Windsor.

Fond of gardening, Mrs. Burgess has some outstanding rose bushes at their home on Larch Street in Sudbury. "I think we'll stay in Sudbury," John said. "We both like the air here." He is talking of getting a part-time job since he is still in excellent health and likes to be busy. "Maybe I'll go into the gas station business again."

NOT COMING THROUGH

A young man was seated opposite a nice old lady in the chair car. For sometime he sat vigorously chewing gum.

Finally the old lady leaned forward and said: "It's nice of you to try and make conversation, but I must tell you I am stone deaf."

Good Fun for All

(Continued from Page 4)

Glynn is their ace pitcher, George Smith and Eugene Bryan among the top hitters and Tom himself their classy second sacker. Ross Crapper handles the coaching chores.

In second place is Jack McGauley's team who are playing heads up ball and holding tight to their position. Good pitching from Joe Fundytus and Ronnie Sagle plus the booming bat of Henry Knowlan and bench coaching from McGauley (laryngitis permitting), make them a strong team.

In the third slot are Ted Morrison's battling boys with their sights set on that second place. A good coach, Ted also hopes to be in shape to play soon which should give the team more spark. South-

paw Rene Desjardins is presently handling most of the pitching chores with reliever Bob Wright ready to go. Offensively Bob Bate-man is top man at the moment.

In the cellar spot are Eddie Pandke's unpredictable nine. "We're the dark horse," his boys declare, "so watch us in the home stretch." At press time they had only one win to their credit but they've had a lot of fun and, according to their coach and classy third baseman Bob Mulcahey, they're due. Eddie himself plays shortstop and is a good man at the plate. The versatile and vocal Rino Basso is busy catching the Zeryk-like slants of Eric Larock.

The absence of adequate records produces many an interesting argument in this league. For instance, Pandke's team stoutly maintain they pulled a triple play