Levack – Cheerleading Champs
Dr. S. H. Ward (facing camera) discusses a metallurgical problem with Ernest Holmes, holder of an Inco research fellowship at the University of Toronto. Dr. Ward was recently appointed to Inco's staff at Toronto, where he will be directly concerned with market development and research, primarily in the industrial chemical field. He will also help co-ordinate the Company's program of aid to Canadian education.

**Inco Metals at Work In Temperature Probe**

As the new supersonic interceptor streaks through the upper atmosphere at higher and higher speeds, air friction on the skin of the craft sends temperatures soaring. This is the "thermal barrier" that engineers and designers are striving to conquer. To study this aerodynamic heating on new planes, scientists employ an instrument called a total temperature probe. Platinum, gold, and chromium-nickel stainless steel combine to make this tiny but important unit possible.

The probe is mounted on the forward skin of the craft and, as speed increases, feeds into a computer information on frictional heating. This total temperature is essential for computing true air speed. Rosemount Engineering Company of Rosemount, Minnesota, design their model 101 temperature probe for speeds up to Mach 3 (three times the speed of sound) where readings above 630° F are expected.

Including its threaded connection, the body of the instrument is about 4 inches long and tapers from a 3-inch diameter mounting ring to a head 1\(\frac{1}{4}\) inches long. Chromium-nickel stainless steel was selected for the body of the probe because it is non-magnetic and easily withstands the temperatures encountered. Joined by Rosemount Engineering Company with high temperature silver solder, the "8-8" stainless steel body has the necessary strength to resist the severe vibration of jet aircraft.

A platinum sensing component is located inside the head of the unit. This precious metal was chosen for its stability at high temperatures and because it will give accurate readings over and over again. Built around the sensing element is a platinum-gold alloy radiation shield to prevent it from losing heat and giving incorrect data.

**Goggles Saved Coniston Man's Eyesight**

Stan Drzimidowicz (right) tapper helper at Coniston smelter, and tapper Mike Vakitschuk, inspect a pair of goggles that saved Stan's eyesight. A minor matte explosion scattered him with molten matte, almost covering both lenses of his goggles. As it was he received only slight burns to his face and hands but there is no doubt he would have lost his sight if he had not been wearing goggles. Four others, working near him, who were wearing approved eye protection, also received superficial burns but no eye injuries.
FEBRUARY, 1958

LEFT: Mr. and Mrs. Ken Leach with Greg, 7, and Janice, 3. They live in Sudbury and Ken works at Murray mine.

RIGHT: Mr. and Mrs. Jean Sabourin (Coniston smelter) with Ivon, 3, Jacques, 2, and Annette 5. They came from Sturgeon Falls, live in Old Coniston.

INCO FAMILY ALBUM

Tony Rondeau has worked at Creighton mine for 16 years. Here he is with his wife and family, Norman, 8, Claire, 3½, Diane, 6, and Guy, 7. They live in Lively.

Mr. and Mrs. Dave Fazekas of Port Colborne have three daughters, Sharon, 11, and the twins, Darlene and Dianne, 8. Dave is an amateur rocket expert.

A car repairer underground at Frood mine, Ellard Sloan is seen here with his wife and their fine family. Kim, 2, Colleen, 10, Carole, 17, Jo-Anne, 5, and Shane, 9.

Oswald Vouk (Copper Cliff smelter) with his wife and their daughters Margaret, 8, and Monica, 9.
A Strange Brew for Blasting — but a Good One:

Bill Gibson (right) and his partner, Frank Patterson, blend a blasting charge of ammonium nitrate fertilizer and fuel oil in a churn drill hole at Lawson quarry. The primacord that will be used to trigger the blast is seen in the foreground, attached to a loading stick.

Fertilizer Mixed With Fuel Oil Is Latest Explosive

"First thing you know they'll be blasting with oatmeal," grinned the blaster, glancing briefly at his partner to see if the humor was appreciated. It was.

The scene was a bench at Inco's Lawson quarry, and Bill Gibson's remark was prompted by the bags of ordinary commercial fertilizer that had been unloaded at the drill holes. These were to replace conventional blasting powder, someone said.

Well, Bill had blasted hundreds of holes and broken thousands of tons of quartz with good old BRX blasting powder, and you would have to show him that seemingly harmless fertilizer could shatter those walls of rock.

But shatter them they did, and Bill is now firmly convinced that while oatmeal may never do it, fertilizer certainly can and does!

Ammonium nitrate fertilizer, an agricultural product, is the new voice of authority in open pit blasting operations. Mixed in the drill hole with a specified amount of fuel oil and a charge of powder, it works like a charm and the saving in cost is up to 50% of that for conventional explosives.

The loose granules of ammonium nitrate, known as prills, are dumped directly into the drill hole from the bag, and by the addition of fuel oil are converted into a mildly sensitive but highly efficient explosive. The ratio of oil to nitrate is approximately one gallon per 80-lb. bag. The carbon in the oil sensitizes the ammonium nitrate, which in itself is insensitive.

Ammonium nitrate has no in-
Their captivating personalities and sharp co-ordination won Levack Continuation School's nine-girl team the cheering leadership of the Nickel Belt in the hectic annual contest at Sudbury High School.

The vivacious victors appear in the cover picture of this issue of the Triangle: clockwise from the lower left, with Joan McAteer in the centre, they are Yvonne Allen, Grace North, Janet McFarlane, Linda Koek, Sharon Gorham, Maureen Dixon, Bonnie McCreedy, and Betty Bushnell.

As usual, Nickel Belt Nite was tremendous and had everything. The gym at Sudbury High was packed to the rafters with colorful cheering sections, each of which nearly blew the lid off when its team took the floor. Besides Levack there were entries from Espanola, Sudbury Tech, Copper Cliff, Lively, Nickel District Collegiate, and Sudbury High.

The coveted title of Miss Nickel Belt was shared by Maxine Fawcett of Nickel District and Rosalind Palmquist of Espanola, when the judges were unable to decide between those two spirited young cheerleaders. Others who were singled out in the judging for Miss Nickel Belt were Maxine Fawcett of Espanola High School, Sharon Markusson of Nickel District Collegiate, and Sudbury High.

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Ammonium nitrate has been used as an ingredient in the manufacture of commercial high explosives since about 1867; most commercial high explosives made today contain some of this material. It first reached prominence in World War I, when it was widely used in military explosives production. In view of its high nitrogen content, efforts were made after the war to introduce it as a chemical fertilizer. At that time, however, it was available neither in sufficient quantity nor in suitable form to find widespread acceptance.

The discovery that ammonium nitrate constitutes a powerful explosive when sensitized with carbonaceous material, such as finely ground coal dust or lamp black, or by hydrocarbons such as fuel oil, was made only recently. The mixture is quite safe to handle and use, as it is not sensitive to initiation by shock or friction, or even by commercial blasting caps, high explosive or blasting agent primers being required to detonate it. In the confines of the drill hole high temperature decomposition of ammonium nitrate proceeds at an explosive rate, and it is this characteristic that forms the basis of its use in blasting.

Experiments with ammonium nitrate as an explosive were commenced by Inco last summer at Lawson quarry, and proved so successful that it is now in regular use there. It has also been introduced at Frood-Stobie open pit with marked success. At the present stage of its development, however, it is not practical for use in underground mining.

FOR A STABLE WORLD

The root of the matter (if we want a stable world) is a very simple and old-fashioned thing, a thing so simple that I am almost ashamed to mention it for fear of the derisive smile with which wise cynics will greet my words. The thing I mean is love, Christian love, or compassion. If you feel this, you have a motive for existence, a reason for courage, an imperative necessity for intellectual honesty.—Bertrand Russell.

"I REMEMBER . . ."

I remember, I remember
The fir trees dark and high;
I used to think their slender tops
Were close against the sky;
But now 'tis little joy
To know I'm farther off from heaven
Than when I was a boy.

—Thomas Hood.
Gay Crowd Enjoys 8th Anniversary Dance at Garson Club

Handsome couples, good music, and a cabaret atmosphere made the 8th anniversary dance at the Inco Employees Club in Garson another worthy addition to the long line of successful events that have been held in this popular hub of community activities. In these pictures are shown part of the capacity crowd that attended, and closeups of some of the guests. At top right the two couples caught by the Triangle camera are Mr. and Mrs. Dave Mann and Mr. and Mrs. Vic Stone; immediately below them are Reeve and Mrs. Don Gillis, and Mr. and Mrs. Jim Kuzniar.

Many Inco Men Bonspiel Winners

The second 8-ender in the 70-year history of the event was a highlight of the annual bonspiel of the Northern Ontario curling association. Walter Dydyk of Copper Cliff skipped the rink that built the perfect end, and his mates were Art Carbone, Jack Medd, and Phil Forster.

As usual, Inco men were prominent among the 'spiel winners. A consistently strong NOCA performer over the years, Gord McLean of the personnel department at Copper Cliff, led his men to victory in the Cochrane-Dunlop event; with him were Tom Crowther, Vern Tupling, and J. Krystia. Walter Dydyk was runner-up in the Cochrane, and Elumpherson was runner-up in the Alcona Steel. Dr. Charlie Jessop of Levack skipped the winning rink in the Falconbridge.

Mayor Robert Saddington of Copper Cliff officially opened the bonspiel, throwing a stone that came to rest right on the button. Dr. Charlie Jessop of Levack skipped the winning rink in the Falconbridge.

To Violet

Verse written by the Spooling Room poet on Violet Tew having completed thirty years’ service.

Congratulations Violet Tew

On a feat achieved by very few These thirty years we hope you’ve spent In happiness and true content: And if someone should say to you “Now tell me truly what you’d do If you could spend this time once more” We hope you’ll answer “Oh! but then I still would do the same again.”

- Nickel News, London
Teaches Dancing
To White Cane
Club Members

Helping the handicapped enjoy life is very rewarding work, as Ernest Cornford of Inco’s geological research department, will gladly testify. One of several Sudbury individuals and groups who regularly assists handicapped persons in some recreational outlet, he teaches members of the White Cane Club to square dance.

Twice a month Ernest and his wife Doreen instruct a group of dancing enthusiasts of limited or no vision, many have developed into proficient square dancers during the two years since the group was organized.

By using contact figures and slower music, the White Cane Club’s square dancers get along fine, and thoroughly enjoy themselves.

having fun together. Ernest admits that this is more important than making good dancers out of them.

Despite their handicap many have developed into quite proficient square dancers, their teacher says. In addition, he has noted that a marked improvement in self-confidence is also noticeable in those who have stayed with the group since its inception some two years ago.

Teaching square dancing to people of limited or no vision requires patience, tact and perseverance. Explicit word pictures must be given for each step. Contact figures are preferred over free figures, the couples in a square retaining physical contact throughout the dance. The tempo of the music is slower. Those with some vision help the less fortunate. Apart from that they just go ahead and dance and enjoy themselves.

The Cornfords have been square dancing and Square and the Onaping Twirling Squares in Sudbury for over five years. They were among the original couples who started with Les McDougall and developed the Circle 8 group, of which they are still members. In addition Ernest calls for the Falconbridge Circle and Square and the Onaping Twirling 8’s, and is also a key figure in the Carousel Club which specializes in round and national type dances, polkas, etc. Fortunately these groups do not all meet weekly, since Ernest must find time to work on the trailer he is making, take an active part in his church’s building campaign, be a father to his three children and attend to sundry social obligations.

Developing a square dance caller requires a fair amount of study and practice. Ernest told the Triangle that he has attended the annual calling school at Lake Couchiching for the past three years. There he dances and learns 10 hours daily for a solid week. He admits he enjoys dancing more than calling, but takes some pride in having mastered that difficult art. He says it takes him several hours to prepare for a night of calling, and at present he is devoting a total of three or four evenings a week to the twirling squares.

His Father Cut Pulp
Wood on Elm Street

“My father cut pulpwood in Sudbury from the post office corner up to where the YMCA is today,” said Joe Lapointe, recalling that his family moved from Montreal to Sudbury in 1898. Although he was quite young at the time Joe says he remembers that Sudbury wasn’t much of a place then, mostly mud roads and bush. His family moved to a farm near Garson, and what with the work to be done there and lack of facilities, Joe never did get around to going to school.

In 1910 he left the farm and returned to Sudbury where he worked from the post office corner up to where the YMCA is today,” said Joe Lapointe, recalling that his family moved from Montreal to Sudbury in 1898. Although he was quite young at the time Joe says he remembers that Sudbury wasn’t much of a place then, mostly mud roads and bush. His family moved to a farm near Garson, and what with the work to be done there and lack of facilities, Joe never did get around to going to school.

In 1910 he left the farm and returned to Sudbury where he worked for a number of years. He joined the CPR as a sectionman in 1916 and spent the next 12 years at that work. This was to stand him in good stead later.

Joe married Emelda Rouleau at Chelmsford in 1916 and they have a family of five. Their daughter Irene is Mrs. Bill Urlich of New Sudbury; sons Simon and Germain both work in the smelter at Copper Cliff, and Leo and Florent work in Sudbury. They have nine grandchildren.

Joe is more than happy to spend his retirement years in Sudbury. Chores around his big home on Elm street west give him a healthy opportunity to keep active, and this coming summer he and the boys plan on building a camp at Nepawa lake.

In good health, he is enjoying his retirement to the full, and has every intention of making that a regular habit.

Record Hour Popular at Sudbury Library

An innovation at Sudbury Public Library that has proved popular with a steadily growing number of music lovers is the Record Hour held every second Friday evening. High fidelity recordings of the operas are played in the auditorium. Shown above chatting during an intermission after listening to Act I of Verdi’s Aida with Renata Tebaldi singing the title role, are Ted Easton of Copper Cliff smelter, Jan Robertson, a nurse at Sudbury Memorial Hospital, Ruth Geddes, of the Sudbury staff of the V.O.N., and Art Shaw, of the iron ore recovery plant. They said they thought the Record Hour an excellent project, and hoped it would be continued.
Upwards of 5,000 Contestants Staged Another Great Festival

Another Sudbury and district musical festival has left its glowing mark in the community's record of achievement.

Once again the Kiwanis Club, the Registered Music Teachers' Association, and upwards of 5,000 contestants combined their enthusiasm and talents to score a resounding success for Ontario's fifth largest annual festival.

Dr. Leon Forrester, who came from England with W. Stanley Vann to adjudicate the festival, remarked on this co-operation between the service club and the music teachers. "I notice that here in this city the Kiwanis is assisted in putting on the festival by the music teachers, and this is all to the good. In many other centres Kiwanis fosters and sponsors the festival, but I haven't seen the music teachers as co-sponsors any place else," he said in laud the smooth and efficient manner which the event was staged.

The festival brought to the of a lifetime to gifted young Hrobelsky, who could not believe her ears when it was announced that she had won Inco scholarship of $250. It presented to her by Richard Dow, administrative assistant to the general manager. A pupil of Emil First, Mary is 17 years old. The adjudicator predicted a most promising music career for her. Her father, Robert Hrobelsky, is an Inco employee working on the blast furnaces at Copper Cliff smelter.

Announcement of the winners of the many scholarships awarded annually at the festival was made during the closing concert. (Continued on Page 13)

A long-cherished dream is realized by as she receives the grand prize of the $250 Inco scholarship, from Richard.
The trumpets send out their silvery notes... 

Stirring, swaggering music came from the accordions.

And young voices are joined in gentle harmony.

An adjudicator speaks.

A musician listens.

"Oh, we won... we won!"

Hrobelsky rivial, the Dow.

Comfort.

Patience.
Marshall Mapes, a popular Copper Cliff smelter veteran, was guest of honor at a big banquet in the Italian Hall, Copper Cliff, on the occasion of his retirement on service pension. Pictured above are some of the head table guests, left to right, R. Lemieux, Denis Thyne, Marshall Mapes, Steve Wilson, Danny Rowe, Bill Nolan, C. Irish, Norman Pearce, Frank Matte, A. Rovinelli. Like his brother Bill of Frood-Stobie open pit, Marshall has been with Inco more than 28 years. He is a bachelor and lives on a farm near Whitefish.

Chappy Daoust on Disability Pension

Helping Fraser Brace build the big Eddy dam back in 1927 gave Chappy Daoust his first introduction to Inco. Liking what he saw and heard, Chappy hired on as a floorman at High Falls in 1929. He stayed there until 1942, then joined the RCAF and saw practically all of Canada in his four years of service. Upon his return to civies in 1946 he went to work with the fitters at Copper Cliff.

Mr. and Mrs. Chappy Daoust

He became a 1st class mechanic at the mill and for the last five years worked at E station.

He retired in December on disability pension with almost 29 years of service.

Born at Papineauville in 1904, Chappy attended school in Hull. From 1921 to 1924 he worked on boats plying the Ottawa river between that town and Montreal. He went with Fraser Brace in 1925 and shortly afterwards qualified for his stationary engineer certificate. On the Big Eddy job he ran the locomotive from Turbine to High Falls, transporting much of the material used on the project.

Inco has been a good place to work, Chappy said, and he admitted he was sorry to leave. He particularly liked working at High Falls where he said George Hartman was like a father to him. Tom Strong at the mill also came in for favourable mention as a fine supervisor.

In 1927 Chappy married Laudiane Charron at Hull. Their three children are all married now: Huguette is Mrs. St. Laurent of Hull. Pauline Mrs. Bazard of the Soo and Maurice is a plumber in Sudbury. They have four grandchildren.

Since most of their relatives and many of their friends still are in Hull, the Daousts have decided to move there to live. Awaiting the move, Chappy is relaxing, recovering from the Christmas festivities, and generally enjoying his leisure. His many friends wish him well.

WITH SOUND EFFECTS

An African chieftain flew to London for a visit and was met at the airport by newsmen. “Good morning Chief,” said one. “Did you have a comfortable flight?”

The chief made a series of raucous noises — oink, honk, screech, z-z-z. Then he added in perfect English, “Yes, very pleasant indeed.”

“And how long do you plan to stay?” asked the reporter.

Prefacing his remarks with the same noises, the chief answered, “About three weeks, I think.”

“Tell me, Chief,” inquired the baffled reporter, “where did you learn to speak such flawless English?”

After the now standard oink, honk, screech, z-z-z, the chief replied, “Short wave radio.”

When you get a chance to buy things for a song it’s a good idea to check the accompaniment.

Busy People at North American Ski Meet

Shirley Akkanen of the insurance and retirement section at Copper Cliff, was a busy young lady during the staging of the North American cross-country ski championships by the Sampo Athletic Club of Sudbury, of which she is secretary. Picture shows her (centre) at her desk with her assistant, Lily Kurkimaki, and some of the meet notables. Paul Jansson, in his day one of the world’s best cross-country racers; Lauri Tukku, chief of the race; Arvo Venalainen, a veteran competitor; Sakari Ruuskanen of Stobie, president of the Sampo Athletic Club. Winner of the North American title was Antero Rauhanen, the powerful young Sampo entry, who later won the Canadian cross-country championship at Kimberley, B.C., defeating the famed Clarence Servold of Alberta.

The Luck of the Draw Results in Copper Cliff Reunion at Welland

The Triangle camera “hit the jackpot” recently on a visit to the Welland Curling Club, where the luck of the draw had brought together no less than six Port Colborne devotees of the game, all former residents of Copper Cliff. From left to right above are Alex Zahavi and Clarence Beach, electrical engineer and works auditor at the nickel refinery; James Spaulding, retired Copper Cliff postmaster; Ralph Crouse, retired Inco storekeeper; Vern Barker, chief research chemist, nickel refinery; Earle Lambert, retired works auditor.
Order to establish them as breeders, they bought up all available animals in other parts of the country. Few agents made regular calls and "pelts" any excess. Originally of these interesting little animals do get sort of attached to them," he said. At his Minnow Lake home. "You pair and began raising them again success to around 40 and the part-
ners sold out. Bob retained one and began raising them again in the Andes. It is prime an animal can be pelted at eight months but full size is not usually reached until about 18 months. The fur is bluish grey in colour, ranging from an ice blue through to a deep slate.

Raised on a farm near Colling-
wood, Bob has always enjoyed working with animals. Before starting to work at Frood in 1929, he had made several harvest excursions, operated a grocery business in North Bay, sold brushes in Sudbury. At Frood he worked first in the yard, then went underground to escape the cold. He transferred to the carpenter shop in 1934 and worked three shifts on the gaining and framer for the next 12 years.

In 1928 he married Iola Anderson in Stayner. Gardening is a favor-
ite hobby with both of them, in addition to the chinchillas.

Joe Had a Big Season

The thrill of competing in the playoff at Fort William for the right to represent Northern Ontar-
io in the Canadian curling championships was this season's big dividend for the copper re-dinery's Joe Harrison. He's seen on the right, above, conferring with his skip, Milt Moran. Other members of their Sudbury Granite Club rink were George von Zuben and Sam Craig. After winning the dis-

trict playoff at North Bay they went on to give a good account of themselves before bowing out to the hot Ron Redding quartet from Kenora.

WHICH COMES FIRST...?

"Old friends are best of all, and yet this further rule there is no doubt of—
Good new acquaintances, well met.
Are what wise folk make old friends out of"
Hi-Fi Fastest-Growing Hobby Since Photography Invented

High fidelity, they say, has become the biggest new popular hobby since the invention of photography.

Its appeal lies in its amazing ability to create the illusion that the music you hear from record or radio is being performed "live" right in your room. The hi-fi word for this is "presence".

Bert Souch of the geological department has a recording of the amazng real sm of stereophonic sound as reproduced from a tape recording of a minstrel show. The two 15-inch coaxial speakers of Bert's hi-fl rig are housed in handsome corner cabinets he built on either side of the fireplace. In the picture on the right, Mr. and Mrs. Al Hughes of Lively, and their daughters Sandra and Judy, are shown with the neat high fidelity equipment Al installed by converting part of his radio-phonograph cabinet and mounting the coaxial speaker on a shelf above it.

Frequently a person who has never heard hi-fl before can't believe his ears. One man, hearing a record of Hayda's "Military Symphony" in a hi-fl salon for the first time, refused to believe it was the same as the record he had at home.

"Well what does high fidelity do that an ordinary phonograph doesn't?" he was asked.

"It simply does everything so much better that the effect on the hearer is like taking off ear muffs," was Dr. Jack's answer.

"When a musician plays a note he makes the air vibrate. If he plays a high note the air molecules do a jig; if he plays a low note they perform a more stately dance. For each note there is a vibration rate, or 'frequency'. The bottom note on a piano, for instance, has a frequency of 27.5 cycles per second, while the top note has a frequency of 4,186 cycles.

But in high fidelity each component is a superbly precise instrument.\"
A great event in Coniston's history is recorded above as smelter superintendent Fred Murphy, assisted by Gino Sartor, official at the laying of the cornerstone for the community's new curling rink. Thirty - four boats, laid off in midsummer at Port Colborne, were picked up by two bricklayers who were working at Copper Cliff and within a matter of weeks. In 1937, Clarence Brown, who has retired on pension from the Copper Cliff works, was raised in Newmarket and got his first job at a wood factory in that town. He received everything from pencils to buckets to bookcases, he said. Deciding to see more of Canada he left the pleasant routine of that job in 1925. He spent the next couple of years on fishing tugs out of Killarney, then from 1928 to 1939 worked as a machine operator for the Orford mine. He worked for a time on road construction and at odd jobs. Returning to Newmarket in 1939 he worked for a time on road construction and at odd jobs. In 1937, with $1.35 in his pocket, he started hitch-hiking for Kirkland Lake, was picked up by two bricklayers who were working at Copper Cliff and within a matter of hours was waiting in the Inco employment office at Sudbury. A Copper Cliff team skipped by Doug Gathercole won the 1st event.

Annual bowling championships have again been decided at the Copper Cliff Club. In an exciting see-saw playoff of which the outcome was in doubt until the last frame or two, Mrs. Peter Duffy's team won the Rosemary Ovens trophy. Above are the happy champs, Mrs. Cecil Mathews, Mrs. Duffy, Miss Sandra McNeill, Miss Clara Simmons. The other finalists were captained by Mrs. Malcolm Finlayson.

Upwards of 5,000 (Continued from Page 8) presented by some of the outstanding performers. Among these were the Glendevon Singers, under the leadership of Mrs. A. C. Mudge, whose ensemble was highly praised by the adjudicators and awarded the top festival rating of 90 marks. In the accompanying photographs the Triangle presents its annual picture story of the festival, capturing typical scenes and expressions as seen through the long-focus lens of Michael Dudowich's camera.
Girl's Hockey Returns to Copper Cliff with a Bang (ouch!)


It's Purchasing Vs. Accounting

Could it be that the antidote for dwindling hockey crowds is already at hand — and in a very pleasing package, too!

Should it catch on and why not — guys like Tomlik, Zorics, Heale et al would be occupying the customers' pews and liking it!

The antidote, men, as you've probably guessed is GIRLS!

Yep, girls' hockey is alive again in Sudbury, and railbird reports are very favourable.

Ability takes second place to charm, it is said, and figure skates are much in evidence.

Wonder how Gus Gustavson Harvey would rate in that league?

The pretty protagonists are nearly all members of Inco's office staff at Copper Cliff. There are two teams, representing the purchasing and accounting departments. In a two-game total-goal series played recently at Stanley Stadium, Purchasing toppled their friendly rivals on the round goals to 2. The first game was deadlocked at one goal each, but the second time out Accounting took the short end of a 4-1 score.

Stella Grassi is coach and chief rooter for the Accounting gals. Some observers thought that wily net custodian of yesteryear, purchasing agent Mac Forsythe, would be masterminding his department's team, but apart from the referees it turned out to be purely in Sudbury district for about 20 years, according to Jo Walmsley.

That their fame has spread is indicated by the fact that they are slated to be one of the feature attractions on the big March of Dimes program at the Sudbury Arena on March 9. Other appearances are also being considered, and the girls say their hockey future looks pretty bright.

Girls' hockey has been dormant in Sudbury district for about 20 years, according to Jo Walmsley. She recalled that Copper Cliff had a very good team in those days, although lack of competition caused them to fold up eventually.

Although closely checked Evelyn Dotta of Purchasing gets away a sizzling ice-high shot that Accounting goalie Raija Luoma turned aside with a 'se - or was it knees backswing?' The length of each scene should be determined by the character of the subject being filmed.

Break up a series of medium and distant shots with close-ups . . . not only close-ups of family and friends but of objects appearing in your reels such as trees, flowers, buildings, etc.

Never panoram on n e a r b y objects. If you must panoram, start with an object of lesser importance and swing slowly to the most important object within the field of view.

Don't start panoraming at the very beginning of a scene, or stop exposure the second you reach the end of your slow swing. Hold the camera steadily on your first view for a moment, then "pan" slowly, and hold it on your last view even longer.

Movie makers who take rightful pride in their reels can begin their home movies with a shot of themselves pointing the camera directly at their audience. The best way to get this shot is to take a large mirror out-of-doors and make a close-up of yourself pointing the camera at your reflection in the mirror.

A sunset is an ideal subject with which to end a travel or vacation color movie. No definite exposure instructions can be given for sunsets. Over-or-underexposure will be mirrored largely by the quantity of redness in your films — a quantity which can vary widely without affecting the charm of this subject.

The kind of success that turns a man's head always leaves him facing in the wrong direction.
Zero Temperature Fails to Chill Enthusiasm of Scouts at Camporee

Inaugurating what it is hoped will be an annual event, district Boy Scout leaders were enthusiastic about the success of their first winter camporee.

Held on Millard Lake, back of Burwash, February 8 and 9 with accommodations and services provided by the host scouts, 1st Burwash troop, it drew more than 40 scouts from eight troops. In charge were adult leaders assisted by Rover Scouts from Capreol and Sudbury.

Emphasizing the "out" in scouting, practically all planned activities were held outdoors despite zero temperature, and the boys' training in pioneering and survival was put to a real test. The group was divided into patrols of six or seven scouts each, and activities were on a competitive basis. No. 2 patrol topped the rest of the field collecting 100 of the possible 120 points; scouts from 2nd and 11th Sudbury troops made up that patrol. No. 1 patrol was formed by 1st and 3rd Sudbury patrols. No. 3 by 2nd and 4th Minnow Lake patrol, patrol No. 4 by 1st Waters, and patrol No. 5 by 1st Copper Cliff.

First test of the day was a two-mile hike to the camp site, with points given for the best method of packing gear into camp. Upon arrival sleeping and bivouac areas were assigned each patrol, and the camp was officially opened. The camp was then put into shape with the rest of the field collecting the remaining 20 points; scouts from 2nd and 11th Sudbury troops made up that patrol. No. 1 patrol was formed by 1st and 3rd Sudbury patrols. No. 3 by 2nd and 4th Minnow Lake patrol, patrol No. 4 by 1st Waters, and patrol No. 5 by 1st Copper Cliff.

Afternoon activities led off with the bivouac building competition, with each patrol allotted 30 minutes in which to provide adequate shelter for themselves. No. 2 patrol won this. In the tree-felling contest young Sandy Kippen (son of Frood shift boss Stan Kippen) dropped his tree right on the mark to cop that event for his patrol.

Semaphore competition followed, then work began on the patrol camp kitchens, which were built at each bivouac. Later patrol cooks drew rations from the main camp while others cut wood and generally prepared their camps for the day's big event, cooking the evening meal in the open.

As shadows lengthened the first flicker of firelight appeared and soon the crisp winter air was filled with the wonderful aroma of pine smoke. As flames leaped higher pots and mess tins were readied, clean snow put on to melt, potatoes prepared, soup heated. Then, as the crowning touch, generous steaks were set to sizzling and browning in smoking pans at the five separate fires, each of which had its circle of ravenous boys.

Supper over, utensils were scoured and fires carefully extinguished, then all returned to the main camp. A rest period, games, canteen and a huge outdoor campfire completed the evening activities, with the 10 o'clock curfew finding all sleeping bags occupied.

Sunday morning saw an early breakfast, and at 8:30, in a nose-nipping north wind, the ice-cutting competition got under way. Other activities included fire lighting, compass and pacing, and ski and snowshoe races. Religious services were also on the agenda.

After the noon meal the camp was dismantled and cleaned up, presentations were made, flags lowered and by 3 o'clock all were ready to leave for home, feeling that they had had a wonderful weekend with excellent food and fun. This coupled with the opportunity for scouts to prepare themselves for the more advanced proficiency badges made the outing just about tops.

Camp chief for the occasion was assistant district commissioner Steve Burns. He was assisted by Scouters Francis, Easton (Frood), Moncion (Frood), Dixon (Creefton), Neal (Copper Cliff) and Pierce plus the Rover Scouts. All agreed that for a first attempt there were very few miscues and the experience gained will make the next camporee that much better. Future plans include the possibility of spending a night under canvas.

In local scouting circles winter activities are becoming more popular and several troops have spent a Saturday or Sunday at the Windy Lake camp.

February 22 marked the 101st anniversary of the birth of the founder of the Boy Scout movement. On that date in 1857 the late Lord Baden-Powell was born. Today, in almost every country of the world, boys preserve and practise the precepts of moral character, resourcefulness and willing helpfulness laid down by this great leader over 50 years ago.

JUST LUCKY, REALLY

"I'm sick of walking the floor all night with this kid."

"Ought to be glad you didn't live in Alaska, where the nights last six months."
Nine Copper Refinery Men Honored on Retirement

Nine copper refinery employees, all members of the casting, yard and transportation departments, were honored recently at one of the biggest and best retirement parties in the plant's history. All nine are Inco pensioners now, or soon will be.

The decision to hold one big annual wing-ding for all copper refining division employees retiring during the year, instead of a separate party for each man, proved to be a popular one. The first gathering of this nature was an unqualified success.

More than 300 friends crowded the Caruso Club, Sudbury, to give their departing workmates a rollicking sendoff, and it would be the understatement of the year to say that everybody had a good time. A delicious chicken and spaghetti dinner, professional entertainment, and the presentation of a gift to each departing member rounded out a fine evening of good-natured ribbing and revelry.

Sandy McGillivray and Cecil Mathews well deserved the accolades they received for the way their party was arranged. Master of ceremonies was Jack Latrellie.

Presentations to the guests of honor were made by Ernest Rabbeau, assistant to the manager of the copper refining division, and Fred Sheridan, superintendent of the casting department.

In the above photograph appear eight of the nine retirees. Their names, length of service, and the retirement gift each received, were as follows: standing, with Mr. Rabbeau on the left and Mr. Sheridan on the right, are John Sofarea, 13 years 7 months, a travelling bag; Edgar Beaudry, 26 years 11 months, fishing rod and reel; John Bigola, 21 years 5 months, electric shaver; Bill Hryniewicz, 27 years 1 month, electric shaver; seated, John Antonini, 27 years 7 months, a radio; Peter Vaive, 14 years 7 months, electric shaver; Jack Marshall, 25 years 7 months, a pen set; Bernard Armstrong, 27 years 7 months, a camera.

The ninth man whose retirement took place during the year, George Lazorov, who had been with Inco for 22 years and 3 months, was unable to attend but several of the boys paid him a visit at his home, conveyed the best wishes of his pals at the plant, and presented him with a camera.

After the armistice Marcel went to Liege in Belgium and worked with the Ingersoll people there making compressors.

Joining a cousin in Canada in 1927 he hooked up with the Bell Telephone company and spent seven years helping install telephone exchanges in Montreal. He was laid off in 1934 and worked at several jobs for short periods before coming to Inco in 1936.

He started with the electrical department at Copper Cliff, and recalls teaming up with Barney Hamilton on one of his early jobs on the roasters. He was transferred to Stobie in 1948 and worked there as a maintenance electrician until illness sidelined him.

In 1932 he married Loretta Beausoleil in Peterborough. Their son Tom works in Sudbury, and their daughter Margaret is married to Lorenzo Noel of Poord. They have one grandchild who Marcel says is a real going concern.

Many years ago Marcel spotted some nice farm country near Three Rivers, P.Q., and is now seriously thinking of starting a chicken ranch there. At present he is operating a pilot plant at home with the little female finch he imported from Belgium. A rare domestic bird in these parts, the only male Marcel could find for her was a broad-minded canary. She has laid two eggs, one too close to the edge of the cage unfortunately, and is at present sitting on the other. The blessed event is awaited almost as eagerly as another grandchild. Marcel has promised to keep the Triangle posted on what this Fincan or Canfin looks like, so there may be a later bulletin.

TON OF NICKEL PER JET

Over one ton of nickel is used, principally in the form of high-temperature alloys, to build a modern jet engine for high-speed aircraft.

Nickel Refinery Man Awarded $534

Norman Anger (right) wears a happy grin as he receives a cheque for $534 from James Walter, assistant to the manager of Inco's nickel refining division, Port Colborne. Present to add his hearty congratulations to Norman was W. J. Freeman (centre), assistant manager. The big cheque was Norman's award for his suggestion of a gravity system for feeding hydrochloric acid to the string filters when cleaning. An Inco man for 12 years, he is married and the father of two children, Norman Jr., 8, and Maria Jane, 3.