

INCO TRIANGLE

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NUMBER 9



25 Years of Partnership

(STORY ON PAGE 7)



Published for all employees of The International Nickel Company of Canada, Limited.

Don M. Dunbar, Editor

EDITORIAL OFFICE COPPER CLIFF, ONT.

Notes and Comment

ALEX McNAY, a philosophical Scot who surveys the scene at Port Colborne, writes us his conception of the meaning of membership in the Quarter Century Club. "Any employee," he says, "who has worked with this same firm for 25 years or more must have developed something in common with his Company's policies, something in common with its aims and ideals. As a matter of fact he has much in common with its product, nickel: just as this metal gives the strength and stability of a friendly alloy which permeates the entire whole, so his mature influence affects the organization by its strength, stability, security, and measure of authority."

Most winter clothing is dark in colour, and with early nightfall now coinciding with the traffic rush hour, the motorist's problem in seeing and avoiding pedestrians is severely aggravated. Tragedy can be avoided only if the motorist drives with extra caution and alertness, and the pedestrian conducts himself sensibly and not too boldly. People walking along the edge of a highway at night are just asking for trouble if they don't travel the side of the road on which the motor traffic is coming toward them.

THE AMAZING SUDBURY BASIN

"Perhaps the most astonishing feature of the Sudbury Basin," says a geological writer in *The Northern Miner*, "is the fact that the noritic rock forming the outer ring of the basin is common the world over, and nickel mineralization with norite is taken for granted, yet nowhere has any other norite deposit of such significance been found."

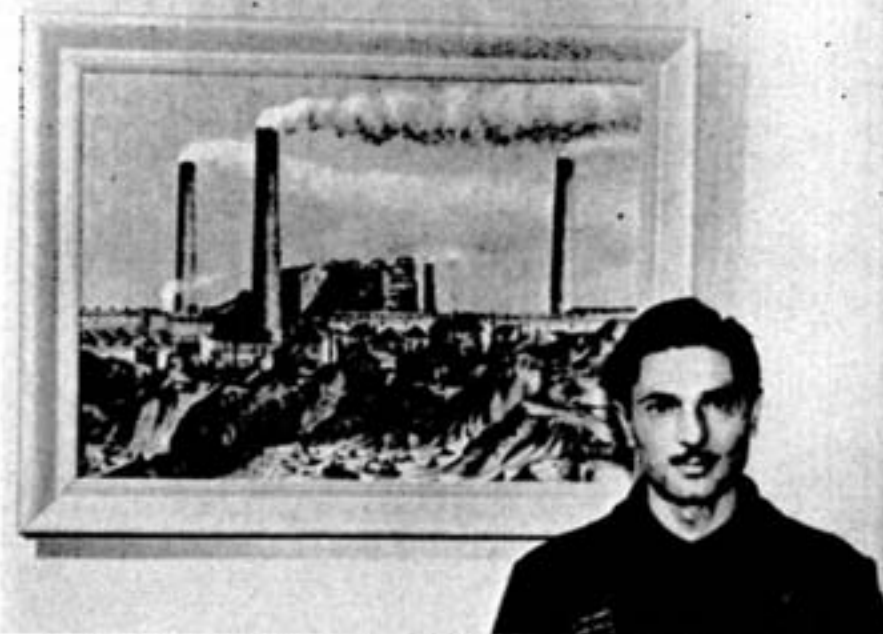
The Sage of the South Range says, "Don't itch for something you're not willing to scratch for". We suppose that includes winter underwear.

ONE OF THE continent's biggest single construction jobs is in progress near Queenston, Ontario, where nearly 30 million tons of earth and rock are being blasted out and carried away in the Hydro Electric Power Commission's plan to milk 1,200,000 horsepower from the world's most famous waterfall, the mist-wreathed, historic Niagara.

In normal rainfall, about 200,000 cubic feet of potentially power-productive water slides booming over the Falls every second, to the delight of tourists and the regret of engineers. Careful studies showed that cutting the flow to 100,000 cubic feet per second would have negligible effect on the majesty of the big drop. So in future the flow will be 100,000 cubic feet per second during day-time hours in the tourist season, and 50,000 cubic feet per second at night and during the off-season.

Tapping off the extra water from above the Falls and using it to make power involves driving two 5½-mile 51-foot-excavated-diameter tunnels and a 2½-mile 200-foot-wide canal. These will channel part of the Niagara River to the penstocks of a new 12-unit generating station now being built. From two 500-foot intake tubes the water will drop down sloping shafts to the twin tunnels. Each

Smelter, by Bruno Bartolucci



There's a fine oil painting hanging in the Personnel Department offices at Copper Cliff, a recent gift from Bruno Bartolucci of the painters' crew. He did this picture of the smelter from a location near his home on Pietro St., Copper Cliff. It captures the majesty of the towering stacks and the ruggedness of the rocks over which they preside, and in this way is symbolic of the nickel industry's victory over the hardships and adversity which beset its early years. Bruno, pictured above beside his painting, came to Canada two years ago from his native Italy where he studied at art school for eight years. He is married and has one son, Gordon, 10.

tunnel, lined with concrete three feet thick, will carry the water at the rate of about 20,000 cubic feet per second to the open-cut canal, in which it will flow to the forebay, or reservoir, above the new generating station. Big things are being done in Canada these times.

And Let Us Sleep

By Virna Sheard

"Turn Thou the key upon our thoughts, dear Lord,
And let us sleep;
Give us our portion of forgetfulness,
Silent and deep.

"Lay Thou Thy quiet hand upon our eyes,
To close their sight;
Shut out the shining of the moon and stars,
And candlelight.

"Keep back the phantoms and the visions sad—
The shades of gray—
The fancies that so haunt the little hours
Before the day.

"Quiet the time-worn questions that are all
Unanswered yet;
Take from the spent and troubled souls of us
Their vain regret;

"And lead us far into Thy silent land,
That we may go,
Like children out across the field o' dreams,
Where poppies blow.

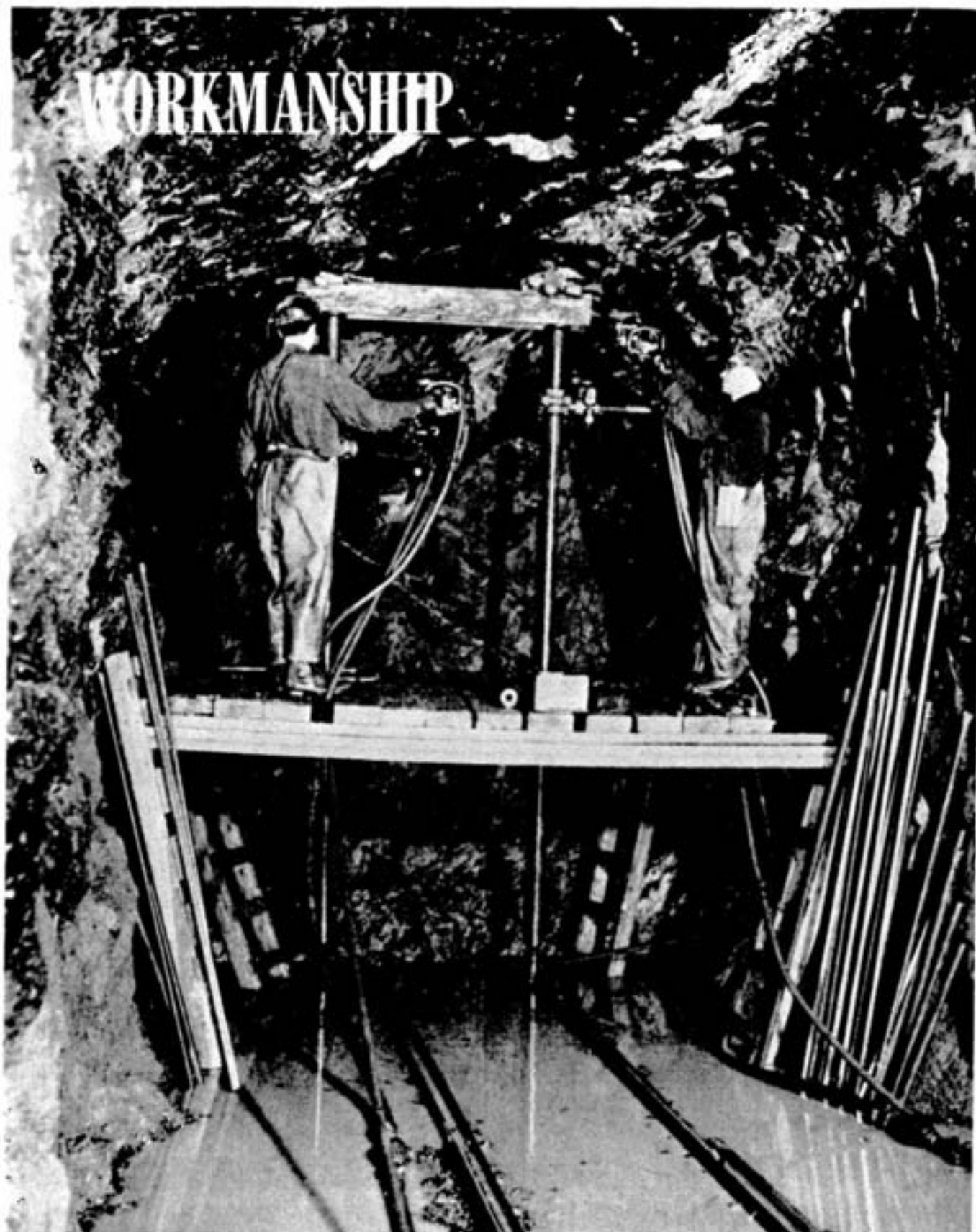
"So all Thy saints—and all Thy sinners too—
Wilt Thou not keep,
Since not alone unto Thy well-beloved
Thou givest sleep?"

—London (Ontario) Free Press.

INCO FAMILY ALBUM

Although his official visit was still weeks away, the Triangle heard many a hint of Santa during its Album round-up for the December issue. Here are a few of the Santa-expecters: (1) Mr. and Mrs. Alex Rivard (Coniston) with David Bryan, 6 weeks, and Richard, 12. (2) Mr. and Mrs. J. Wilkie (Creighton) with Shirley, 9, and their little niece, Linda Hofbauer, 4. (3) Mr. and Mrs. "Red" Maltby (Copper Cliff Smelter) with Gwen, 14, Leigh, 4, and Stephen (Bud), 22. (4) Mr. and Mrs. Norman Ripley (Copper Refinery) with Peter, 5½, and Marian, 2½. (5) Mr. and Mrs. C. Rocheleau (Frood-Stobie) with Johnny, 12, Gerry, 11, Shirley, 4, Michael, 7, Gillies, 9, and Bobby, 5. (6) Mr. and Mrs. Lloyd Huffman (Port Colborne) with Arnold Lloyd, 6, and Thomas Gerald, 1. (7) Mr. and Mrs. Adam Petryshyn (Murray) with Karen, 1, and Richard, 3.





This photograph is the first in a series which the Triangle will publish under the title of Workmanship. The pictures will be made here and there in the Company's mines and plants, and will show typical every-day jobs being done by men who take pride in doing their work well.

The above scene is in a 10-ft. x 12-ft. heading on 1,400 level at Frood-Stobie No. 7 Shaft where a main haulage way is being driven as part of the development program for the level. The two miners who are just starting to drill off the day's round in preparation for blasting are Mike Yurwak (left) and Nello Koski.

The working place is neat and orderly. The staging is level and solid. Drilling supplies and tools — drill steel, bits, bit remover, wrenches — are handy but not in the way. The bars supporting the drills are true and the blocking is firmly wedged. The face has been scaled clean and the men wear their

(Continued on next page)



Capacity Attendance at Retirement Party in Italian Hall

All plants of Inco's operations in the Sudbury District were represented at the banquet given at the Italian Hall in Copper Cliff in honor of Smelters Supt. Dunc Finlayson on his retirement, an impressive tribute to a man universally popular and respected. Presenting him with a handsome cabinet on behalf of the gathering, J. R. Gordon, asst. vice-president and asst. general manager, expressed the Company's admiration of his sterling worth and its appreciation of his long and faithful service. Seated at the long head table, facing the camera left to right in the above picture, were R. C. Barnes, W. Acheson, J. W. Garrow, W. E. Gillespie, G. A. Harcourt, R. H. Waddington, Rev. J. A. O. McKennell, L. J. Simcox, J. R. Gordon, D. Finlayson, W. T. Waterbury (chairman), J. C. Parlee, F. Benard, G. Ferguson, E. T. Austin, R. A. Elliott, Taffe Montgomery, Thos. Harkins, Alex Montgomery.

Dunc Finlayson's Smelter Career A Saga of Well-Earned Success

An outstanding example of a man who signed on with the Company in his youth, saw the possibilities in its future, and by steady and honest effort worked his way to the top, Duncan Finlayson has retired on Inco pension with 40 years of service to his credit, the last 11 of them as superintendent of smelters. Popular with men and management alike, he will long be remembered in the plant for his hearty manner, his dependable "know-how" of every job, and his personal interest in the welfare of every worker.

Dunc Finlayson was born on December 17, 1887, on the little Isle of Skye, Scotland. His father owned a fishing trawler and a small farm, and between the two there was plenty of work for Finlayson and son. From boyhood until he was 23 years of age Dunc helped with the farm chores or accompanied

his dad on the week-long fishing trips which netted big hauls of herring, cod, and lobster. At school he added English to his native Gaelic which, as anyone with half an ear for music knows, is second only to the bagpipes as the purest form of human expression.

In 1910 Dunc came to Canada at the suggestion of relatives already settled in the New World, and took a job on a farm near Dundalk, Ontario. He liked farming but wanted to move around and see more of the country so the following year found him in Guelph, employed at the Homewood Sanitarium. In 1912 his work took him on a trip north to the lustrous new mining camp at Copper Cliff. He liked the rugged, pioneering atmosphere of the place, then only a decade old corporately, and when he heard that the Company needed men he walked

over to the smelter and tackled Shift Boss Alex Montgomery for a job. An hour later he was at work, running a motor on the charge floor in the blast furnace building.

It was an 11-hour day and 13 at night, and the pay was 20 cents an hour. There was only one small stack in the plant, which made smoke and gas conditions above the old blast furnaces pretty tough to work in, and in addition there were the waves of gas from the nearby roastery where thousands of tons of green ore, stacked on huge piles of burning cordwood, went through the first stage of the smelting process. Small wonder it is that Dunc thinks the greatest step in the development of today's modern smelting plant was the changeover from blast furnaces to roasters and reverbs in 1930, resulting in a big improvement in working conditions. He gulped enough gas to have a very definite opinion on the subject.

From the charge floor he was transferred to punching blast furnace tuyeres, became a tapper's helper, and then a tapper. When

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goggles as they start to drill new holes. Every one of these points is important, contributing to a smooth and efficient drilling operation.

It can be seen that Yuzwak and Koski have obtained a perfect break in blasting the previous day's round — no novelty for drillers of their skill and experience. The round has broken out to the bottom of the holes, which means that the face has required very little preparation for further drilling, such as cleaning and scraping out old holes. To engineer such a break the drillers have studied the slips and joints in the face from day to day and have placed and directed the holes of the round to gain the best possible blasting results. Loading and fusing of the holes in proper rotation has also contributed to the success of the break and to keeping the back and walls uniform as the heading advances.

Another point to notice is that the heading has been cleanly mucked out to the face by the previous shift, providing sure footing and safe working conditions for the drillers. In this particular case the previous shift also had time to set up the staging and drills for the next round, so Yuzwak and Koski were able to get right to it with no delay. This sort of co-operation between the two shifts naturally has a big influence on the over-all efficiency of the mining cycle.

It all adds up to Workmanship of the finest kind.

Presented with Blast Furnace Model



They had a special gift for Dunc Finlayson at his farewell party — a model of a blast furnace which will always remind him of his early days in the smelter 40 years ago. With him in this picture are three long-time smelting associates; on the left is George Ferguson of the reverberatory department, and on the right are Alex Montgomery, a pensioner, who gave Dunc his first job in the smelter, on the blast furnace charge floor, and Ed. Austin, former superintendent at Coniston.



PUMPER COMPETITION WINNERS: Pearson's Fire Crew at Levack Mine: front row, E. Kauppinen (driver), R. Pearson (deputy fire chief), A. Hutchinson, T. Kulmala, R. Lanson, G. Carvel, L. Parker, P. Owens, A. Tessier, J. Comeau; back row, E. O'Connor, A. Lowry, C. Shalles, W. Bushnell, G. Calford, H. Akerman, W. Kelleite, R. Monette. Not shown, W. Bwll (fire chief), T. Kauppinen, R. Zola, H. Loughridge, L. LaBelle, R. Ostrom, S. Kemp.

Levack and Coniston Brigades Are Champions

In the annual competitions for Inco's inter-plant fire brigade championships, well-balanced and thoroughly drilled crews from Levack and Coniston picked off the honors.

The championship for brigades using pumpers went to Dick Pearson's lineup at Levack Mine. In the event for non-pumper brigades the title was won by G. Geoffrey's shift crew at Coniston Smelter.

In announcing the winners Inco Fire In-

spector W. A. Humphries extended his hearty congratulations to the winners and expressed satisfaction with the performances of other teams in the competitions.

Each brigade was required to take part in three events: (1) Stretch a hose line to an imaginary fire at any location on the property covered by the brigade and produce water or other suitable extinguishing agent at the scene of the fire; (2) Two men selected by

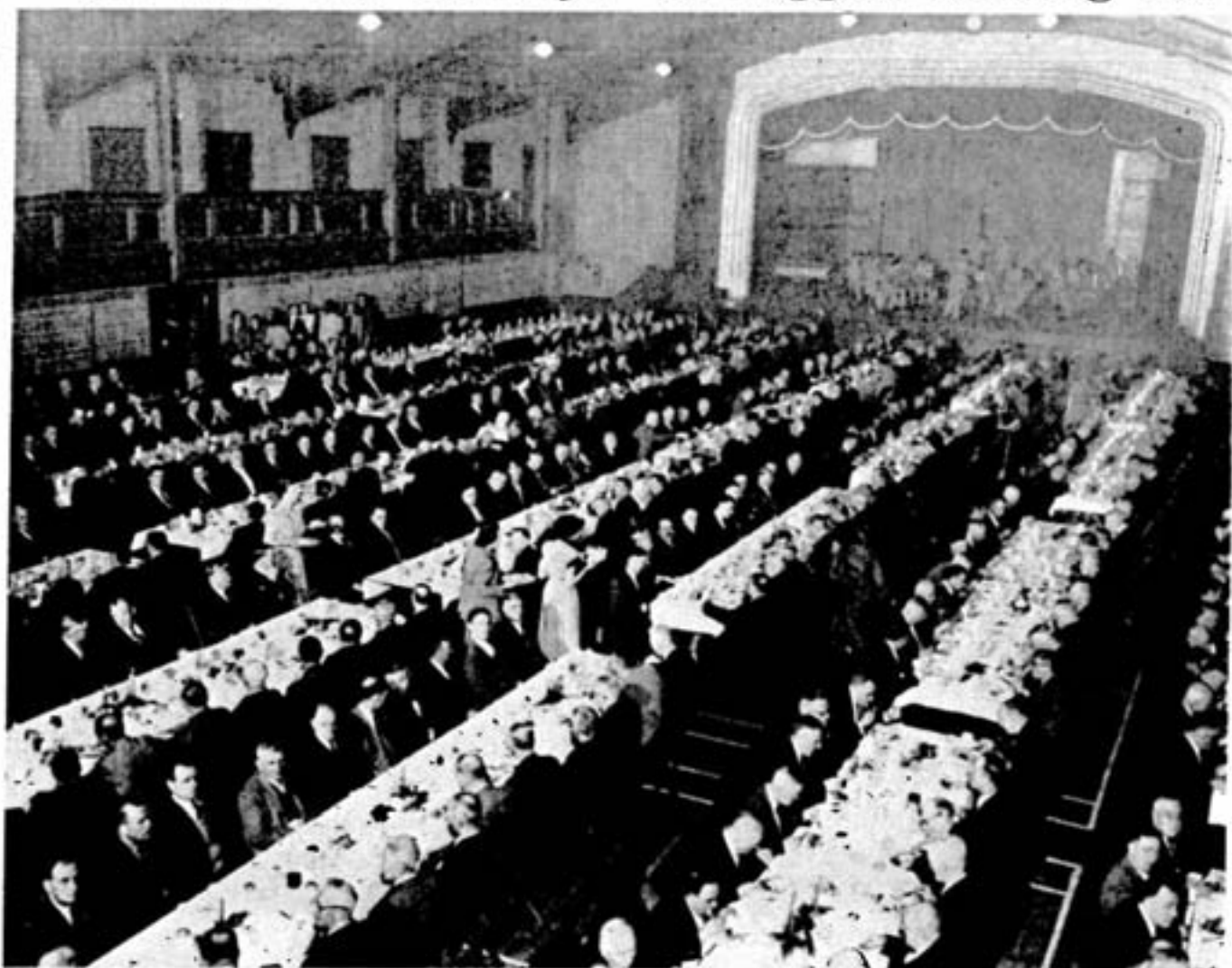
lot were required to demonstrate the operation and testing of oxygen-breathing apparatus. (3) One man selected by lot was required to extinguish an actual fire using any fire extinguishers.

Brigades which had won the competitions in previous years were declared ineligible for the championships shields this year but went through the various evolutions nevertheless.



NON-PUMPER COMPETITION WINNERS: Geoffrey's Shift Fire Crew at Coniston Smelter: front row, P. Leclair, G. Geoffrey (shift chief), D. Conlon (deputy shift chief), P. Baran; back row, R. L. Smith (asst. plant superintendent), P. Davis, A. Borsato, E. Landry, F. Pare, R. Keffer. Not shown, J. Gosselin.

"On With the Turkey!" at Biggest Meeting Yet



A crowd of 600 tested the capacity of Inco Employees Club at the annual dinner meeting of the Quarter Century Club. Picture shows the auditorium as the ladies of St. Andrew's United Church Auxiliary commenced serving the sumptuous turkey feast for which they have become justly famous.

58 More 25-Year Men Join Club from the Sudbury District

Presentation of lapel buttons to 58 new members by Vice-President R. L. Beattie was the highlight of the annual general meeting of Inco's Sudbury District Quarter Century Club on November 20.

Attendance of 600 was the largest in the event's history and the huge auditorium of the Inco Club was filled nearly to capacity when the big gathering of veteran employees and pensioners was seated at the attractively decorated banquet tables.

The task of serving a hot turkey dinner to so large a group was a formidable one but the Women's Auxiliary of St. Andrew's United Church did it with remarkable speed and efficiency, and every guest pronounced the food superb. A vote of thanks tendered them by Asst. Vice-President R. D. Parker was warmly applauded.

THE FRONT COVER

Vice-President R. L. Beattie presents a membership button to Charles Tuttle of Copper Cliff at the Quarter Century Club dinner.

During the dinner the Coniston Band, under Dan Totino, played a fine program. They looked very smart in their new uniforms.

Even more evident than at previous meetings was a spirit of fellowship and fraternity as the old-timers mingled with younger Incoites, greeted friends they hadn't seen since perhaps the year before, swapped yarns and reminiscences, and thoroughly enjoyed the big annual get-together.

A group of Toronto concert artists gave the evening's stage performance, and it was a sparkling one from start to finish. The visiting stars were the Keppo Family, balancing and acrobatic act; Libby Morris, comedienne; Seppo Leivo, juggler; Dorothy Merrill, accordionist and pianist; Clair Rouse, musical novelties; Cy Leonard, ventriloquist, master of ceremonies. A special attraction was the singing of Mrs. Bruno Taus of Copper Cliff and her father, 77-year-old Joseph Cassio, whose solos and duets were enthusiastically received.

In welcoming the gathering, J. R. Gordon, asst. vice-president and asst. general man-

ager, said he was especially pleased to see such a large representation of the pensioners who, having done their job with the Company, are now enjoying the reward of their efforts. It was sad to realize that some familiar faces had passed from the scene since the last meeting, and in this connection he mentioned particularly E. A. Collins, the first secretary of the Quarter Century Club, who died this year.

"Our Company has for many years been a leader in world mining," Mr. Gordon said, "through the plants and sales and research organizations it has built to produce a vital metal for the free world. We can be proud of its achievements, both in production and in the way it provides for its own people. But a company needs more than plants and organization. It must have at all job levels men of self-reliance, stability, co-operation, perseverance, and long experience. They form the core of an industry like ours. Men like these are found in the ranks of the Quarter Century Club; without them the outlook would be bleak indeed."

In his remarks before presenting buttons to the 58 new members, Vice-President R. L. Beattie, who recently moved his office to Toronto, said it was a new experience to come as an "out-of-town guest" to the meeting of the Quarter Century Club. Living

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WITH THE CAMERA AT QUARTER CENTURY CLUB DINNER

Fifty-five of the 58 new members enrolled November 20 in Inco's Quarter Century Club for Sudbury District are seen in the top photo of the accompanying layout. Names of those joining the distinguished company of Inco men with 25 or more years of service to their credit were:

Ceniston: E. Albert, B. Bachorski, W. F. Conlon, E. Johnson, A. Ladurante, N. Melnyk, W. J. McLaughlin, H. Stoker, P. Ungurian, W. Wasylenko, J. Werstiuk, W. Wroblewski.
Copper Cliff: P. Allesandro, L. Brooks, G. Cammellitti, R. A. Corless, F. Falcioni, S. Ilnicki, W. E. Lawson, N. F. Meaden, A. Mossey, W. E. O'Brien, A. M. Peura, W. L. Sleaver, H. Spalding, J. Tincombe, C. Tuttle, H. L. Vandyke, G. Visentin.

Creighton: W. H. Barnicott, P. Bernier, T. Carbone, E. Cretzman, E. E. Mumford, J. A. McDonnell, M. Pajuluoma, F. Pentney, N. Pezzetta, J. Scherbanuk, H. A. Simpson, A. Stone, L. Tomassini, A. Zacharovsky.

Frood-Stobie: E. Halden, D. Henry, E. Moore, E. Mousseau, D. Olink (pensioner), J. H. Randall, L. Relf, J. Suoranta (pensioner), J. Zoporynuik.

Garson: T. C. Joyce, N. Jusila.
Levack: A. G. Armstrong, Y. Leino, J. Smith.

Crean Hill: W. Vaananen.
 In the panel on the right R. L. Beattie is seen presenting membership buttons to Edward Cretzman, Harry Vandyke, and Tony Carbone.



Brownies and Guides Are Active at Levack



Levack's Brownies pose for the camera: seated, left to right, Caroline Brzinski, Carol Duquay, Cheryl Romain, Ann Bragg, Elaine Mohr, Linda Miller, Judy Bushnell, Sandra Snider, Claudette Richer, Julia Jemola, Margaret Von Klein, Gladys Didur, Patsy Brazeau, Fernande Brazeau, Beverley Schneider, Irene LaFleur, Marie MacDonald, Marian Brzinski, Carol Lloyd, Pauline Leroux, Anne MacDonald, Lorraine Ethier, Barbara Schneider, Leslie Lawton; standing, Lynne Wrixon, Dale Puro, Eleanor Yuill, Erna Taylor, Mona Pretty, Linda Koski, Betty Bushnell, Sandra Lowry, Joan McAteer, Maureen Dixon, Dorothy Sweezy, Dorothy Ross, Maureen Callaghan, Bonny Bragg, Gail Picard, Claudia Gallant, Doreen Picard, Sylvia Shank, Carol Ann Mason, Mary Swiddle, Shirley Klitsgaard, Marlene LeFebvre, Marjorie Hayes, Elaine Fraser.

58 More 25-Year Men Join Club from the Sudbury District

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away from Copper Cliff, he found, had increased his appreciation of the job being done in the Company's divisions in the Sudbury District.

He voiced the general regret of the meeting at the absence of Dr. Paul D. Merica, president of the Company, and read the following telegram from him:

"Will you please extend my congratulations and best wishes to the incoming members of the Quarter Century Club. I greatly regret that I am unavoidably prevented from attending their induction ceremony tonight as I had planned meeting them personally. Quarter Century Club members now number about 1,800 from Inco plants and offices in Canada, the United States, and the United Kingdom. I am proud, as I am sure all members are, of belonging to this growing group who have co-operated so loyally and so long in the many and diverse phases of the important job of producing Sudbury nickel and distributing it to all corners of the free world. My best wishes to all Quarter Century Club members and pensioners attending your gathering tonight. Paul D. Merica."

Mr. Beattie spoke earnestly of the constant need of improvement in a company's operations. "These wonderful times we have all been enjoying so long can't keep up forever," he stressed. "An industry can stay strong and vigorous only by improvements. Our Company is very anxious to have the benefit of good ideas for better plant methods from both Quarter Century Club members and pensioners. One can't buy the experience you men have had — I hope you all fully appreciate that. If you have ideas, don't hesitate to talk about them. If they're incomplete the Company will be glad to help develop them."

Referring to the meeting of the Port Col-

borne Quarter Century Club on November 13, Mr. Beattie conveyed greetings from that branch. "We had a lovely evening together," he said.

All but three of the 58 new members were present to receive their buttons from Mr. Beattie, who was assisted in the presentations by J. R. Gordon and I. J. Simcox, general asst. to the vice-president and chairman of the meeting.

Proposing a toast to the pensioners, W. T. Waterbury, asst. to the vice-president, remarked that it wouldn't be long until he joined those ranks himself. Inco's pension plan, he said, was conceived and put into operation long before the social security schemes of today. Its funds were made possible through the long and loyal service of the men who are now receiving the money. "Your pension is fully earned and it is yours by right," he said. "The longer you live to receive and enjoy it the better pleased the Company will be."

"On behalf of the pensioners I wish to express appreciation for all the benefits we derive from the International Nickel Co.," said Dr. H. W. Feldmans in replying to the toast. He mentioned the security and comfort of the regular monthly pension cheque, the insurance provided by the company, and the hospital and medical services available to the pensioners as well as to active employees. "We get the best that's going, and we have a lot to be thankful for," he concluded.

A "Moment of Remembrance" for members of the club who had passed to their final reward was observed while the lights of the auditorium were dimmed.

Prejudices are rarely overcome by argument; not being founded in reason they cannot be destroyed by logic.

—Tryon Edwards



NEW GUIDE ENROLLED

Stella Wawryzyn is enrolled in the Levack Girl Guide Company by the Area Commissioner, Mrs. D. Forster. To her left stands her patrol leader, Cecile Jemola. The ceremony took place during a recent joint meeting of Levack Guides and Brownies at which a First Class badge was also presented to Joanne Hutchinson.

REALLY DRY

One hot day last August, the elderly couple, vacationing up north, received a letter from the daughter. Examining the letter, before opening it, the mother remarked: "It's awfully dry down at the farm, Pa."

"How do you know," her husband asked, "you haven't even opened the letter."

"No," answered his wife, "but I see the stamp is fastened on with a pin."



O Dry Those Tears!—Wolves Aren't So Bad

There's a lamentable tendency at large of late to cry in the soup about the showing of the Sudbury Wolves in the NOHA hockey scramble. This tendency springs from the fact that the Wolves are losing considerably more games than they are winning.

What should be done by one and all is dry those tears, put on a brave smile, and wait for the turn of the tide, because the Wolves by all sensible figuring should be hotter than a Kresge pistol when the season really gets rolling.

First, let's look at pictures of some of the boys (and who can deny that they photograph well):

1. The Home-Brew line of Tatter McClellan, Yacker (he has a real name and it's John) Flynn, and Mauno Kauppi.

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Dedication of New Memorial Was Impressive

A handsome cenotaph, set in a boulevard in the fast-growing little town's business section, was unveiled in Remembrance Day ceremonies at Levack in honor of the dead of two world wars.

Names of the six Levack men on its honor roll who lost their lives in the Second World War are L. Bolton, S. N. Endleman, R. Greentree, E. Neumann, B. Piakoski, and G. Tilt.

The cenotaph was unveiled by a Levack Silver Cross Mother, Mrs. Stanley Veino, assisted by Leo Troy of North Bay, district commander of the Canadian Legion.

Pictures taken during the impressive service appear in the accompanying layout:

1. The color party which led a parade from the public school to the cenotaph, preceded by the smart pipe band from Sudbury's 200 Air Cadet Squadron. Some 250 Legionnaires, Air Cadets, and reserve soldiers from the Royal Canadian Electrical and Mechanical Engineers of Sudbury took part in the parade, which was in charge of Squadron Leader Eric Mulligan, commanding officer of the Sudbury Air Cadets.

2. Assisted by Legionaire Leo Troy, Mrs. Elizabeth Bolton places the first wreath on the cenotaph. A Levack Silver Cross Mother, Mrs. Bolton now resides in Queensville, Ont.



3. Mrs. W. Lockhart, attended by Legionnaire Al Lowry, brings forward another wreath.

4. A total of 30 wreaths were placed on the cenotaph, seen here at the conclusion of the services, by Legionnaires, merchants, and representatives of various organizations, including the town council.

5. Rev. Stanley Parkhouse of Levack United Church is seen at the microphone during the memorial service, in which he was assisted by Rev. Dr. H. R. Swanton of the Glad Tidings Tabernacle, Sudbury. Dedication of the cenotaph was conducted by Rev.

Fr. Wells of Levack. Guard of honor at the cenotaph was composed of Sgt. Mike Sloan, Sgt. Don Bush, Sgt. Roger Joly, Sgt. Camille Bourcier, and WO1 Harry Dimes of Sudbury's 33 Tech Squadron, RCME. To the right are some of the Legionnaires from Levack, Copper Cliff and Sudbury and members of the Levack Legion Ladies' Auxiliary who took part in the parade. In the centre background are J. R. Gordon and I. J. Simcox, who represented Inco at the ceremony.

Some Tips On Using Fog Nozzles



Despite the reluctance of some electrical experts to believe it, fog nozzles using water may be used quite safely in fighting fire in live electrical equipment within certain distance limits. This statement is on the authority of the National Fire Protection Association of Boston, the recognized authority on fire subjects, and Inco Fire Inspector Bill Humphries would like all concerned to know what they say.

Pictured above is an Inco fire-fighter using an FAO-100 fog nozzle with water to control an imaginary fire at No. 2 Substation at the Copper Cliff plant. Demonstrations under the same circumstances were made with three other fog nozzles, the Spraco 1½-in., the Spraco No. 668-1 in., and the marine type 3A fog nozzle having removable fog tip. All these fog nozzles are of the fixed type which produces fog only. Other combination fog nozzles which produce fog in one position and a straight stream of water in another position are not suitable for use around live electrical apparatus, Fire Inspector Bill says. The same objection applies to those fog nozzles which are placed at the end of a long pipe or applicator, because of the danger that the pipe itself may contact the live equipment.

Modern fog nozzles, Inspector Humphries says, will drive water fog from 20 to 40 feet and hence are a useful tool in fires involving equipment carrying high voltages if the current cannot be turned off quickly and the

fire is causing damage. The reluctance of some to accept this fact, he continues, has resulted in electrical equipment being burned. One case in point involved an oil-filled breaker which exploded, sending flaming oil to the wooden roof. High tension bars near the roof prevented use of straight streams of water, and fog equipment was not available. The roof was destroyed and the station put out business.

In recommending that fog nozzles using water be used to fight fire, the National Fire Protection Association suggests that they be not used closer to live electrical equipment than as follows:

Voltage up to 7,500, 6 in.;	voltage 7,500-15,000, 12 in.;	15,000-25,000, 17 in.;	25,000-37,000, 24 in.;	37,000-50,000, 32 in.;	50,000-73,000, 44 in.;	73,000-88,000, 52 in.;	88,000-110,000, 64 in.;	110,000-132,000, 77 in.;	132,000-154,000, 89 in.;	154,000-187,000, 106 in.;	187,000-220,000, 124 in., or a little over 10 ft.
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THE POOR THING

At the trial of a woman accused of murdering her husband, the jury were out for a very long time. The verdict, when they returned to the jury box, was for acquittal, largely because of the efforts of one little old lady on the jury.

After the trial the latter explained her attitude: "I suppose I just felt sorry for her. After all, she was a widow."

Making Every Pound of Nickel Do Its Utmost

Inco's efforts, in these days of heavy demand, to make nickel available to industry on as broad a basis as possible, were discussed by Dr. John P. Thompson, chairman of the board, in a letter to the shareholders of the Company on November 13:

"Since the formation of the Company we have felt it both an obligation and an opportunity to expand constantly our knowledge of the properties of nickel, copper, the platinum metals, and their alloys and compounds, and to make this information broadly available to industry.

"What we started then has grown and developed as nickel has been increasingly used in what are now countless applications. But always we have adhered to the principle that research is effectual only if the results are converted into practical applications. Consequently, we have simultaneously stressed two elements: **Research**, which constantly adds to our knowledge, and **Development**, which continually puts this knowledge into useful practice.

"Out of Inco's laboratories in Canada, the United States and the United Kingdom have come new alloys and new information on old alloys. This has been part of the many researches on nickel and its alloys in which industry throughout the world has continually been engaged. Valuable corrosion data have been obtained from studies at our research laboratories and corrosion testing stations. The combined results of research by Inco and others are reflected in the increase in the free world's consumption of nickel in the past quarter century. Paralleling this increased demand, your Company's output of nickel during this period has risen from about 65,000,000 to approximately 250,000,000 pounds annually.

"In the present emergency, when the free world has need for every pound of its various metals, the Company's resources in research and technical knowledge have been equally valuable in promoting the most efficient use of every pound of its production and when technically possible, the use of alloys of lower nickel content and even materials containing no nickel.

"While this conservation activity seemingly departs from the Company's traditional practice, it is in fact only continuing our established policy of making nickel available to industry on as broad a basis as possible. It is in keeping with our primary aim that nickel should be used only in those places where it renders a service that justifies the cost. Because of this sound foundation, many high-nickel alloys for which substitutes have been temporarily adopted will return to their normal uses after today's emergency.

"The transition of the world to a peacetime footing will enable us to take up again our fundamental task of searching for and discovering those places where nickel should be used for sound reasons and doing our best to see that it is used there."

APPOINTMENTS ANNOUNCED

R. L. Beattie, vice-president and general manager, has announced the appointment of R. H. Waddington as assistant to the vice-president.

R. D. Parker, asst. vice-president and general superintendent of the Mining and Smelting Divisions, has announced the appointment of F. J. Morrow as superintendent of smelters and L. N. Pearce as assistant superintendent of smelters.

The appointments were effective November 21.



19 Welcomed to Membership at Port Colborne

With 132 of its 152 members on deck, Port Colborne branch of the Inco Quarter Century Club had a very successful annual meeting on November 13. Membership buttons were presented to 19 recently qualified men by Vice-President R. L. Beattie.

For the first time the meeting was held in the Inco Recreation Club, and with the Rathfon Inn catering in its own inimitable style, arrangements were everything that could be desired. Secretary Roy Howard acknowledged many compliments on the enjoyment of the evening.

The 1804 members of Inco's Quarter Century Club, in Canada, the United States, and the United Kingdom, represent a total service to the Company of more than 50,000 years. Mr. Beattie told the gathering. He spoke of the importance of such a large group of experienced employees and the wonderful influence they could wield in developing ideas for the betterment of plant operations. "I wouldn't want a better group of men around me for ideas than you," he said, stressing the Company's eagerness to have the benefit of its employees' thoughts.



and suggestions. Quarter Century Club members have a real stake in the Company, he reminded them, and its progress and stability are of personal concern to them.

Mr. Beattie spoke in tribute to the late George Craig, who would have been first on the club's list in point of service had death not removed him during the past year.

James H. Walter presided at the dinner and also called on Asst. Vice-President J. R. Gordon of Copper Cliff, R. C. McQuire, nickel refinery superintendent, and H. W. Walter, former superintendent, whose remarks were made on behalf of the pensioners.

The process of extracting nickel from ore is different from that for any other metal. Mr. Gordon said, and for that reason the Company is more dependent on the experience of its veteran employees than producers of any other metal.

R. C. McQuire, who has only two more years to go before he qualifies for Quarter Century Club membership, thanked the men for "the good work you are doing".

Special entertainment imported from Buffalo for the evening included Jerry Lebell, emcee and comedian; Clinton Berry, tenor; Roberta Miller, acrobatic dancer and baton twirler; Lou Rich, juggler.

In the accompanying photographs are seen:

(1) A general view of the banquet tables set in the auditorium of the Recreation Club;

(2) One of the new members, O. Szep, changehouse attendant who in his 23 years of safety-conscious service has never seen the inside of the First Aid Room, receives his button from Mr. Beattie;

(3) Seated at the head table were, left to right, W. J. Cook, R. C. McQuire, J. R. Gordon, James H. Walter, R. L. Beattie, C. R. Howard, and W. J. Freeman.

(4) All but one of the "Class of '52" were on hand for the presentation of Quarter Century Club memberships: back row, Lloyd Houser, J. Morvan, George Robb, Sam Dorigo, A. L. Melick, G. R. Cowper, Louis Nagy, J. Kosztyo, and Fred Sager; front row, William Ross, M. Kosturik, E. Kacur, T. Charchyna, G. Szep, F. Defazio, A. McIntyre, A. Eged, and A. Budgen. Unable to attend was Robert Craig.

D. Finlayson

(Continued from Page 5)

war broke out he was upstairs again as a feeder.

Enlisting in Sudbury in the machine gun corps, he went overseas in 1915 after training at Hamilton and Camp Borden. Another Copper Cliff man, Bill Henderson, now general manager of Cochrane-Dunlop Hardware with headquarters in Toronto, enlisted at the same time as Dunc. They went through training together, went overseas together, were attached to the same unit. One day during the heat of the battle at Chiereze, Dunc glanced across to the next shell hole, saw his pal Bill fall before an enemy machine gun burst as he scrambled out of the shell hole to the attack.

At the first lull in the fighting Dunc raced to Bill's side and made his friend as comfortable as possible, then went on with his outfit. When he returned to the shell hole that night he was relieved to learn that the stretcher bearers had found Bill and had taken him to safety. Later Bill rejoined the unit and he and Dunc fought side by side, got into scrapes together, were discharged at the same time in 1919, and landed back in Sudbury on the same train.

Dunc found his old job waiting for him at the plant, and was soon back to work as feeder on the blast furnaces. Eventually he became a spare shift boss, then a steady shifter. In 1927 he was sent to Port Colborne as superintendent of the Orford Process department at the Company's nickel refinery, and when the Orford plant was

The 300 tons of steel for the headframe of Frood-Stobie's new No. 8 Shaft has been erected, as this picture shows, and is now being sheeted in with corrugated asbestos. The headframe is 120 ft. high to the centre line of the sheaves.

Frood-Stobie No. 8 Shaft has been concreted to 1850 ft. and an ore pocket is now being built. The shaft, which will be in operation next year, is in close proximity to No. 7 Shaft and will be inter-connected with

it above the ore-loading points by means of conveyor belts. This additional hoisting capacity is an important consideration in Inco's conversion to all-underground mining.

No. 8 Shaft has two skip compartments and a manway-and-pipe compartment, and will be used for ore hoisting only. It will be equipped with bottom-dump skips, the first time that this type of skip has been installed at Inco. The new hoist for the shaft has been assembled and turned over.

moved to the Cliff in 1931 he returned in charge of it. In 1936 he received another promotion, becoming asst. superintendent of smelters, and when Supt. P. F. McDonald retired on pension in 1941 Dunc took the step up the ladder to the key position he held until his retirement.

Happily married in 1912 to Miss Jean McMurdie of Ayrshire, Scotland, whom he met at Guelph, Dunc is the proud father of three sons, Malcolm of Copper Cliff Electrical Dept., Tom of the Aluminum Company of Canada at Montreal, and Alastair of the Mechanical Engineering Dept. at Copper Cliff.

Ever since Copper Cliff Branch of the Canadian Legion was organized in 1931 Dunc has been very active in the interests of the war veteran. He took great satisfaction from the manner in which Inco helped rehabilitate its employees after both world wars. He was vice-president of his Legion branch from its inception to 1944, when he commenced a three-year term as president. In 1950-51 he was zone commander. He is still a member of the branch executive.

His ancestry has manifested itself strongly in his canny curling game, at which he always favors being sure of one point rather than gambling for two. At golf, also, he is a true Scot, adhering stoutly to the old St. Andrew's rule that no ball is lost until it

stops rolling. He shoots consistently in the low 90's.

Dunc is building a fine new home on Lake Ramsay in Sudbury, and there he and Mrs. Finlayson hope to greet their wide circle of friends and keep in close touch with the community of which they have been such valuable and popular members. That they will both live long to enjoy their retirement is the sincere wish of all who know them.

JUST A BEGINNER

A quack was selling a tonic which he declared would make men live to a great age. "Look at me," he said, " hale and hearty, and I'm over 300 years old." "Is he really that old?" asked a listener of the quack's youthful assistant. "I can't say," was the reply. "I've only worked for him 150 years!"

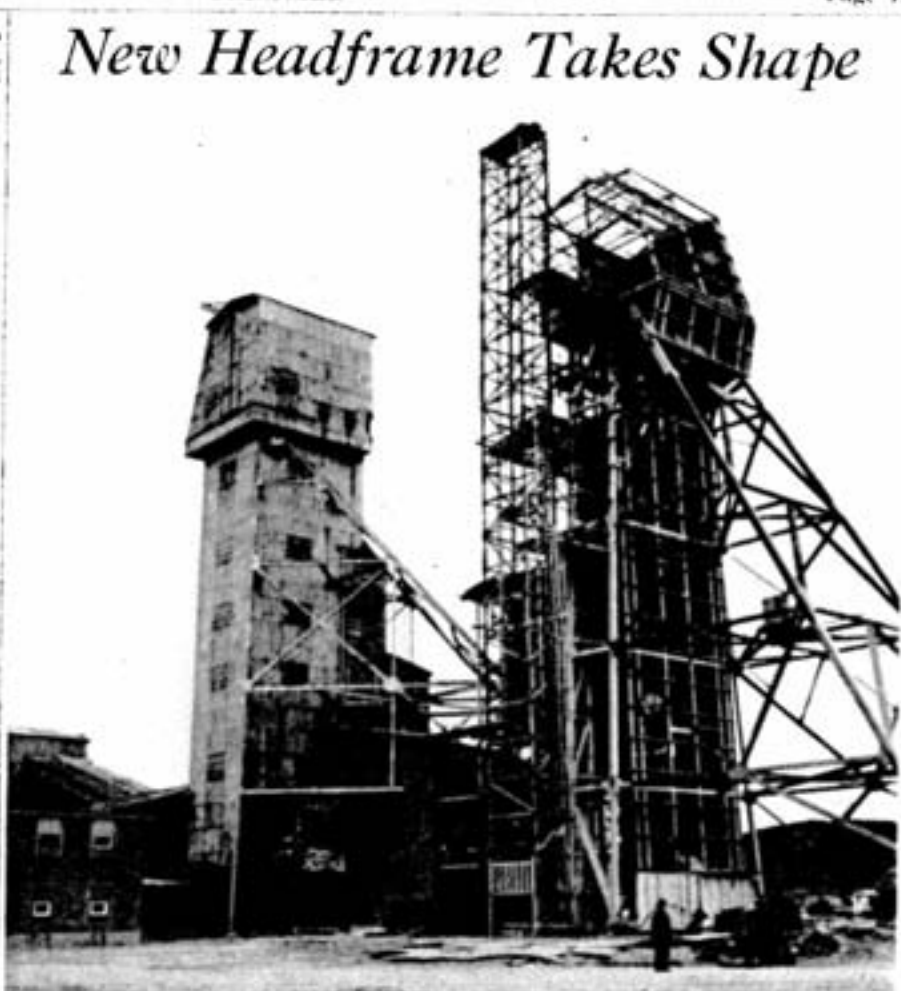
LESSER OF TWO EVILS

There was an earthquake in a South American town which badly scared the inhabitants.

A family who lived there sent their little son to stay with an uncle in another district for safety's sake.

Two days later the parents received the following telegram:

"Am returning your boy. Send the earthquake!"



Roof Bolting Used in Shaft Station



Roof bolting, an experiment in shaft station construction as far as Inco mines are concerned, has been used on one of the levels at Creighton. The above picture shows the advantage of the new method over timbering in leaving the station area clear of obstructions. In a certain type of ground the rods which are wedged and bolted in 6-ft. holes drilled in the roof of the station give ideal support.

High Marks in Rescue Course

All 34 Inco supervisors who took the course were successful in their final examinations in Advanced Mine Rescue Training. Safety Superintendent A. E. O'Brien has been advised by Inspector Don Cooper of the Ontario Department of Mines.

The examinations were written in October after a series of special lectures. Gold supervisory seals have been forwarded to each of the successful candidates to be attached to their basic certificates.

The Department of Mines has requested that congratulations be extended to the men with the hope that they will continue to maintain their interest and high proficiency in rescue work.

Special commendation was expressed for Norman Creet of Murray Mine, who ranked at the top of the class with an average of 98%. Robert Lockhart of Garson Mine with 96% and Arnold Bennett of Creighton Mine with 95% also came in for particular mention. As a whole the class did extremely well in the tests, no man obtaining less than 75%. An average of 79% was required to pass.

Members of the class were as follows:
Murray Mine: N. Creet, C. Clubbe, L. Michel.

Garson Mine: R. Lockhart, A. McRae, J.

Ferguson, H. King, L. Pletzer, G. Quilty, W. Bell.

Creighton Mine: A. Bennett, R. Serpell, L. MacDonald, N. Reid, H. Narasnek, J. Douglas, A. Marson, T. Kierans, K. Henderson.

Frood-Stobie Mine: A. Sirrka, M. Hall, W. Gaylor, C. McAfee, J. Vettorel, J. Sunquist, A. Milner, S. Kutchaw, P. Dixon.

Levack Mine: E. McIvor, G. French, S. Snider, F. Swiddle, W. Bragg, A. Dider.

Dry Those Tears

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2. "Andy" Anderson, as spine-tingling a big-time goalie prospect as ever donned the pads.

3. The high-scoring line of Andy Milne, Gordie Heale, and Nick Tomluk.

4. Ripping right into it are Marty Burton, Johnny Mestan, and "Red" McCarthy, a potent goal-bound combination.

5. Defence stalwarts are seen here: Len Speck, Joe McIntosh, George DeFelice, and Tug Parri.

Reassured? Good!
Now don't forget that the Wolves have recently acquired burly Rolly McLenahan, a heady defenceman with a long backlog of experience, a bruising body check, and a sharp eye for a scoring opening. And don't overlook "Red" Barrett, the two-way operator who was on the injured list when these pictures were taken.

It's a good team, and it's a well-balanced

team. True, it has appeared weak defensively at times because it is loose on clearing the puck out of the danger zone, but intensive coaching will bring an improvement there as it will in the effectiveness of the team's power play.

The boys have been out-shooting their opposition. Heale and Milne are leading the early-season NOHA scoring race, and Tomluk, McClellan and Kauppi are not far off the pace. As a matter of fact, of the ten top scorers in the league to date, five are Wolves, three are Soo Greyhounds, and two are Soo Mich. Indians. There isn't a North Bay Trapper in sight. The Wolves have shown that they can score—in a big way. They're liable to break out anytime, and when they do, it says here, they'll be everything a championship-hungry Sudbury District wants them to be.

So Flynn has been laid up. So Barrett has been laid up. So things haven't been going so good. There'll come a day.

Last month a Triangle headline said, "Wolves Look Like a Million." A cynical old hockey addict snorted, "A Million What?" For his benefit and for anybody else whose faith is wavering, the Triangle's answer is still in dollars.

Meal Service For Hospitals



The food service unit is placed on a Stainless Steel wagon, ready to be taken to the patient.

(From Inco Magazine)

One of Canada's smart new hospitals—Port Colborne, Ont., General Hospital—is offering additional testimony to the value of the packaged hot meal system, developed in the past few years for combining flexibility in serving with "kitchen freshness."

Developed by Mealpack Corporation, the basic element of the system is a container, made of 18 percent chromium—8 percent nickel Stainless Steel, which also doubles as a serving dish that can be lap-held or served at the table or on a tray. Sealed against heat loss for a period of two or three hours after packing, this container holds not only a piping hot menu of meat, gravy and vegetables, it also holds cutlery, napkins, bread and dessert as well. It permits delivery from a central kitchen to serving points where and when wanted. Chilled menus for hot weather can be served with equal facility.

Patients' meals are prepared and packed in the main kitchen where the Mealpack system is used. There are three basic units in this system for serving food: a container, an infra-red dish heater, and a special tray cart. The insulated, Stainless Steel container holds a removable Pyrex dish.