



VOLUME 8

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Smelter Worker Gets \$1,000 Suggestion Award



Daddy Brings Home The Bacon

(STORY ON PAGE 6)



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HOW IS YOUR BRAIN-POWER?

The controversy still rages over Capstick's Conundrum, that train-teaser we published two months ago which left all our readers vainly knocking their noggins, cut off our mail like closing time at the pub, and put poor old Cap himself in the doghouse.

Bill Smithers, travelling representative of the Fisher Scientific Co., happened to pick up a copy of the last issue of the Triangle while visiting the Research Lab at the Cliff, and after reading Capstick's explanation he dashed back to his room at the Coulson to pen a bitter indictment of the whole business. He says if the businessman's office visits were in the ratio of 4 to 1, the uptown train must have passed 12 minutes later instead of just five.

This placed Capstick in a very bad light indeed, and we were somewhat relieved to have a note from him too, couched in humble, penitent phrases, pleading innocence on the grounds that the problem belonged to Archie Frame in the first place. We immediately called the Research Lab, only to be told that Archie had barricaded himself in the basement and refused to talk to anybody. And there the matter rests. We have a sneaking feeling we've been framed.

Last month's riddle about the ages of the bridge players succeeded in soothing the shattered nerves of our puzzle fans, and everybody now seems willing to regard the Capstick Affair as just a nasty old dream.

Ages of the five players were 23, 29, 35, 37, and 41. Among the customers who came right up with the correct answer were Doug Thom of Mechanical Engineering, Tom Dunn of the Copper Cliff Club, Phil Foster of Smelter Research, M. C. Coulter of Garson



BEAUTY, F:3.5 AT 1/40th

Dave Batty, of 1600 Level, Garson Mine, sent along this remarkably good study of his cat Beauty, taking her ease in the garden. He made the picture with his Univex Mercury camera on a dull day, f:3.5 at 1/40th. Dave says it's one of the best exposures he's had yet, and we agree that it's the cat's whiskers.

Another of Harry's Sharp Shots



Here's another delightful picture story from the camera of Harry Sharp, Levack's leading lensman. He snapped it during a visit to Timmins, and calls it "Junior Patrol."

Efficiency, Wib Job of the Control Lab, Ethel Walmsley of General Office, G. J. Thomson of Levack Engineering (who was a patient in Copper Cliff Hospital but is now back in circulation), Marion Hogg of Copper Cliff High School staff, Lionel Roy of Copper Refinery, J. D. Wolchuk of Metallurgical, Elmer Wahlgren, Sudbury; Denise McCullough, 11, that nice little red-headed figure skater; someone who signs himself V. S. Creighton; Jack Holby of the Time Office at the Cliff, Ken Robb of the Research Library, and E. H. Capstick of the Concentrator, now fully pardoned and reinstated after solemnly promising not to do it again.

This month's puzzle is something a little different, and we think everybody will get a kick out of the change of atmosphere from figures to letters. It was sent in by T. E. Dauchy of the New York Office, always a welcome guest to this column. Here's the verse:

A sat in his gray,
Watching the moonbeams' play
On a cask that in part shadow lay,
Thou the weak;
Thou the strong;
The trees with their take up
The song.
John Barleycorn, my king!
Now fill the six spaces with six different
words, all of which must be made up of
exactly the same letters.
We warn you, this is a toughie, so here's
a clue: They're six-letter words.

NO TIME FOR FOOLISHNESS

The young man wrapped his arms round the pretty girl.
"My darling," he breathed, "you're all the world to me. I don't know what I'd do without you. I love—"

At that moment the doorbell rang. The girl jumped up. "It's my fiancé," she gasped. "You must leave at once. Oh, hurry!"

The young man looked around nervously. "But how am I going to leave?" he asked anxiously. "I can't go out by the door. Your fiancé would see me."

The girl thought quickly.
"Jump out the window," she advised.
"But we're on the thirteenth floor!"
The girl stamped her foot. "So what?" she rasped. "This is no time for your silly superstitions!"

Ladies Have Long Service Records With the Company

The editor of "Pen and Inco," New York, struggled to extricate himself from a pretty bad fix by publishing the following in his October issue:

IS OUR FACE RED?

We stirred up a hornet's nest when we said in our August issue that Miss Anna Naylor of the Whitehead Philadelphia Office has the distinction of having more years of service than any lady now actively employed in the entire Inco family.

That distinction belongs to Mrs. Annie Macrone of the Wiggin Sheffield Office, England, who has had 42 years of continuous service. Miss Rosemary E. Owens of Copper Cliff comes second with 33 years and 2 months and Mrs. Edith Harris of the Wiggin Birmingham Office comes third with 31 years and 7 months.

Mrs. Margaretta D. Hansberry of the New York Office with 29 years and 5 months, Miss Anna Naylor of the Whitehead Philadelphia Office with 28 years and 9 months, Miss Edith Walker of the New York Office with 25 years and 10 months, and Miss Sarah K. Winberg of the Wiggin Zenith Office with 25 years and 9 months, come next in the list of those with unbroken service.

Mrs. Emma L. Stockford of the Birlec Birmingham Office commenced to work for the Company in July, 1917 but was out of service for 3 years and has now 28 years and 4 months of actual service. Miss Katherine Hernig of the Mend London Office joined the Company in February, 1916 but was out of the service for 5 1/2 years and has now 27 years of actual service.

SHOULD READ THE ADS

The scene was in the reading room of a large public library. A man was studying birth and death statistics. Suddenly he turned to the man on his right and said, "Do you know that every time I breathe a man dies?"

"Very interesting," replied the stranger. "Why don't you chew gum?"

INCO FAMILY ALBUM

All set to go calling again? (1) Our first stop is at 10 Market St., Copper Cliff, where we look in on Mr. and Mrs. Arnold Ross (Accounting) and their frisky young daughters Barbara, 4, and Elizabeth Ann, 6½. (2) Then we hop over to Creighton to see Mr. and Mrs. John McDonnell and their happy tribe: Mary Lyons, 5, Richard, 7, John, 15, and June, 14; another daughter, Margaret, 18, is in Toronto and another son, Joe, 22, is with the Princess Pats at Calgary. (3) Next we drop in at 394 Antwerp, Sudbury, to see Mr. and Mrs. Jack Deacon (Frood-Stobie Time Office) and their good-looking family: Bonnie, 19 mos., Catherine, 2½, Sally Ann, 5, and Danny, 7. (4) Then it's over to Coniston to visit Mr. and Mrs. Joe Bloemmen and daughters Nora, 11, and Patricia, 7. (5) At 1180 McFarlane Lake Rd., Lockerby, we say hello to Mr. and Mrs. H. Shebeski (Copper Cliff Smelter) and Leonard, 6, Audrey, 8. (6) Next we go to 68A Somerset St., Minnow Lake, to see Mr. and Mrs. Bill Campbell (Copper Refinery) and Marion, 8, Billie, 6, and Darlene, 12. (7) Our final call is at 491 Whittaker St., Sudbury, on Mr. and Mrs. Keith Harris (Garson Mine), and David, 5, Darlene, 3.



42 New Members for the Quarter Century Club



Port Colborne Now Has 86 On the Roll

In the most successful meeting it has held, Port Colborne's branch of the Inco Quarter Century Club welcomed 42 new members following a banquet at the Rathfon Inn the evening of October 14.

Quarter Century Club membership at Port Colborne now stands at 86, 5.6% of the total enrolment in the nickel refinery. The department with the biggest representation is Mechanical, which has 23 members on the Club roll. Pensioners are next with 14. From its inception to Sept. 30, 1948, there have been 94 Port Colborne members of whom eight are deceased, including four pensioners. Eight more employees will have completed 25 years' credited service before the end of this year.

Presentation of membership buttons to the new members was made by Vice-President R. L. Beattie who, in his remarks, referred to the way Inco has always built for the future, developing vigorous peace-time markets for its products through diligent research and establishing security for its employees through its Retirement System. He expressed the Company's appreciation of the loyal and faithful service given by the evening's guests of honor.

R. H. Waddington, general superintendent of refineries, and H. W. Walter, former superintendent of the Port Colborne plant, also spoke. W. J. Freeman, assistant superintendent, was chairman and "kept the ball rolling" with witty introductions of the new Club members.

A motion picture, "The Story of Nickel,"

and an excellent program by a group of Toronto artists, completed the program.

Pictured above are the new members of the Port Colborne branch. Thumbnail biographies of each follow:

FRONT ROW

1. A. Lewis: born in Canada Mar. 12, 1901. Married. Employed Nov. 8, 1919 as a sampler and is still on the same job. Eligible for membership May 13, 1946.

2. A. Emburg: born in Canada July 20, 1904. Married. Employed July 4, 1922 as a calciner furnaceman, is now a telpher-man in No. 3 bldg. Eligible for membership April 21, 1948.

3. V. A. Lynden: born in Canada July 29, 1897. Married. Employed June 23, 1922 and his entire connection with the Company has been in the stores department. Eligible for membership Sept. 25, 1947.

4. G. Worthington: born in England Sept. 2, 1894. Married. Employed Oct. 2, 1922 as a yard laborer, is now a boxman in electrolytic nickel dept. Eligible for membership Sept. 23, 1948.

5. J. Ewasnik: born in Roumania Apr. 1, 1894. Naturalized Canadian. Married. Employed Aug. 12, 1922 as a yard laborer, is now a unitman in electrolytic nickel dept. Eligible for membership Sept. 29, 1948.

6. H. P. Roe: born in U.S.A. Dec. 9, 1890. Married. Employed Aug. 14, 1923 as supt. of leaching and calcining dept. and is now supt. of anode dept. Eligible for membership Aug. 13, 1948.

7. I. Royal: born in Wales Feb. 18, 1899. Married. Employed June 21, 1922 as a machinist helper, is now foreman in machine shop. Eligible for membership Mar. 30, 1948.

8. J. Emburg: born in Canada Oct. 3, 1902. Married. Employed May 16, 1922 as a calciner furnaceman. Has been a sampler since April, 1923. Eligible for membership Mar. 11, 1948.

9. L. Pew: born in Canada Feb. 20, 1898. Married. Employed Oct. 6, 1919 as a cal-

ciner furnaceman and is now a pipefitter. Eligible for membership Dec. 1, 1946.

SECOND ROW

1. P. Davidson: born in Canada Dec. 17, 1900. Married. Employed Aug. 11, 1922 as a yard laborer, is now a foreman in anode dept. Eligible for membership May 9, 1948.

2. C. R. Howard: born in Canada Aug. 13, 1900. Married. Employed May 1, 1923 as a timekeeper and is now Works Auditor. Eligible for membership July 30, 1948.

3. J. Byng: born in England Feb. 4, 1891. Married. Employed June 19, 1922 as a process laborer, is now a bricklayer boss. Eligible for membership July 20, 1948.

4. P. Ruzicki: born in Poland Nov. 16, 1884. Naturalized Canadian. Widower. Employed Apr. 25, 1922 as a process laborer, is now a furnaceman in the anode dept. Eligible for membership Apr. 6, 1948.

5. T. Christie: born in Ireland May 13, 1899. Married. Employed July 5, 1922 as a process laborer, is now a foreman in electrolytic nickel dept. Eligible for membership July 25, 1948.

6. H. Beck: born in Canada Sept. 10, 1897. Married. Employed July 24, 1922 as a process laborer and is now a foreman in calcining dept. Eligible for membership June 13, 1948.

7. L. Rey: born in Scotland Sept. 16, 1897. Married. Employed Jan. 30, 1923 as a machinist helper, is now a welder. Eligible for membership Sept. 7, 1948.

8. W. Crabbe: born in Scotland Oct. 20, 1898. Married. Employed July 25, 1922 as an electrician helper, is now an electrician. Eligible for membership Mar. 25, 1948.

9. A. Concessi: born in Italy July 3, 1894. Naturalized Canadian. Married. Employed Aug. 3, 1921 as a process labourer, is now a furnaceman in the anode dept. Eligible for membership Dec. 7, 1947.

THIRD ROW

1. O. Sale: born in England May 2, 1898. Married. Employed July 5, 1922 as a cal-



Two of "Port's" New Members

Two of the new members of Inco's Quarter Century Club at Port Colborne receive their membership buttons from Vice-President R. L. Beattie. G. Saudrelli (top) and P. Ruzicki. A delicious chicken dinner preceded the meeting at the Rathson Inn. Others seen in the lower picture are: on the left of Mr. Beattie, R. H. Waddington and W. J. Freeman; on the right, C. R. Howard and James Walter.

ciner furnaceman, has since been a machinist and is now a plantfitter. Eligible for membership Feb. 27, 1948.

2. **A. Matthew:** born in England June 12, 1899. Married. Employed Apr. 25, 1922 as a painter, is now a chlorination man in electrolytic nickel dept. Eligible for membership May 6, 1948.

3. **J. Warren:** born in England Sept. 2, 1889. Married. Employed July 13, 1922 as a painter, is now a painter boss. Eligible for membership Feb. 27, 1948.

4. **T. Reid:** born in England Mar. 7, 1882. Widower. Employed Nov. 3, 1919 as a plant oiler and was a head stripper in No. 5 building when pensioned on Apr. 1, 1947. Eligible for membership June 12, 1946.

5. **W. Jarram:** born in England July 16, 1895. Married. Employed May 20, 1922 as a refinery laborer, is now foreman in electro-

lytic nickel dept. Eligible for membership Nov. 12, 1947.

6. **F. Boggio:** born in Italy Dec. 26, 1891. Naturalized Canadian. Married. Employed July 1, 1922 as a process laborer, is now a P.M. dust collector operator. Eligible for membership May 10, 1948.

7. **T. Lee:** born in England Apr. 26, 1892. Married. Employed Apr. 29, 1922 as a machinist helper, and has since been a pipe-fitter and leadburner, and is now a pipe-fitter boss. Eligible for membership Oct. 14, 1947.

8. **H. McDonald:** born in U.S.A. Mar. 25, 1897. Married. Employed Mar. 16, 1918 as an electrician and is now a substation operator boss. Eligible for membership Dec. 23, 1945.

9. **L. McGratten:** born in Canada July 12, 1896. Married. Employed Dec. 4, 1922 as a

yard laborer, transferred to power house Dec. 12, 1922, is now foreman in power house. Eligible for membership Feb. 4, 1948.

BACK ROW

1. **F. Godak:** born in Poland Jan. 1, 1897. Naturalized Canadian. Married. Employed June 21, 1921 as a blacksmith's helper, is now a blacksmith. Eligible for membership Dec. 25, 1947.

2. **W. McDonald:** born in Canada Nov. 8, 1902. Married. Employed May 8, 1922 as a stores laborer, worked in No. 1 building and cooper shop, returned to stores dept. Jan. 1, 1926. Was transferred to time office on Apr. 1, 1944 and is still working in that dept. Eligible for membership Aug. 23, 1947.

3. **A. Byng:** born in England Oct. 11, 1902. Married. Employed June 3, 1921 as a process laborer, is now a plantfitter. Eligible for membership Jan. 14, 1948.

4. **J. Norton:** born in Canada Feb. 19, 1907. Single. Employed June 26, 1922 as an electrician apprentice, is now an electrician. Eligible for membership June 16, 1948.

5. **C. Daubney:** born in Canada Dec. 28, 1898. Married. Employed Nov. 4, 1922 as a yard laborer and is now foreman in anode dept. Eligible for membership May 21, 1948.

6. **W. Mahagan:** born in Canada Nov. 20, 1894. Married. Employed May 12, 1920 as a crane man in No. 1 building and is now a subforeman in No. 5 building. Eligible for membership Nov. 22, 1946.

7. **W. Eden:** born in England Mar. 16, 1903. Married. Employed Nov. 21, 1922 as a calciner furnaceman, is now foreman in electrolytic nickel dept. Eligible for membership Sept. 10, 1948.

8. **G. Saudrelli:** born in Italy Sept. 30, 1884. Naturalized Canadian. Married. Employed Oct. 13, 1922 as a yard laborer, is now a head stripper in electrolytic nickel dept. Eligible for membership Aug. 19, 1948.

9. **G. Conessi:** born in Italy Mar. 19, 1884. Naturalized Canadian. Married. Employed May 17, 1922 as a process laborer, is now a furnaceman in the anode dept. Eligible for membership Jan. 2, 1948.

10. **M. Tupechka:** born in Roumania Nov. 8, 1882. Naturalized Canadian. Married. Employed Apr. 29, 1922 as a yard laborer, was yard labor boss at time of retirement on Dec. 1, 1947. Eligible for membership Aug. 28, 1947.

11. **F. Hammond:** born in Canada Oct. 14, 1890. Married. Employed Dec. 6, 1920 as a machinist. Promoted to foreman machine shop Dec. 20, 1922. He is now Asst. Master Mechanic having been promoted to that position on Oct. 1, 1937. Eligible for membership Feb. 5, 1946.

12. **G. Hall:** born in Canada Apr. 10, 1889. Married. Employed Nov. 22, 1922 as a yard laborer, is now a blacksmith. Eligible for membership July 27, 1948.

New members not appearing in the photograph are:

L. Crumb: born in Canada Jan. 21, 1896. Married. Employed Jan. 18, 1921 as a calciner furnaceman, transferred to police force May 23, 1940, and is still on the plant police force. Eligible for membership Apr. 22, 1946.

8. **Wakunick:** born in Poland Dec. 24, 1885. Naturalized Canadian. Married. Employed Apr. 25, 1921 as a bricklayer's helper. Has been a bricklayer since Mar., 1923. Eligible for membership Nov. 7, 1947.

J. A. McIntyre: born in U.S.A. Nov. 17, 1892. Married. Employed June 19, 1922 as a calciner furnaceman, is now a telphernan in No. 3 bldg. Eligible for membership Mar. 5, 1948.

SELF CONFIDENCE

A pious but irascible woman was quite put out because her neighbors hadn't invited her along on their Spring picnic. On the morning of the event they relented, however, and asked her to join them. "Humph!" she snapped. "It's too late. I've already prayed for rain."

VOID IF DETACHED FROM VOUCHER OR IF ANY ALTERATIONS ARE MADE TO VOUCHER

NO. 84010



COPPER CLIFF, ONTARIO Oct. 23, 1948

THE BANK OF TORONTO

PAY

IN CASH \$1000 and 00 cts

TO THE ORDER OF

THE INTERNATIONAL NICKEL COMPANY
OF CANADA, LIMITED
MINING AND SMELTING DIVISION

#1016 Charles Brown

E. J. Lambert
 (SIGNED)
H. J. MacIntyre

NEGOTIABLE WITHOUT CHARGE AT ANY BRANCH OF THE BANK OF TORONTO IN CANADA

Suggestion By Charlie Brown \$1,000 Winner

A tall, quiet-spoken, earnest young man with a friendly smile last month became the second Inco worker to receive a \$1,000 award under the Employees Suggestion Plan. Charlie Brown of Copper Cliff Smelter hit the jackpot with his idea for increasing efficiency and decreasing maintenance costs in the Cottrell Plant, where he works.

Pictured on the front page of this issue of the Triangle is the happy scene in the Brown home at 318 Wembley Drive, Sudbury, when father "brought home the bacon". Mrs. Brown, the former Beatrice Davison of Sudbury, isn't exactly frowning as she gazes upon that \$1,000 cheque, and both Douglas, 4, and Shirley, 15 months, regard the fruits of their dad's "brain-wave" with obvious relish.

Congratulated by Supt.

At the top of this page is a reproduction of the pay-off to Charlie Brown, and on the right he is seen receiving his cheque from Dunc Finlayson, general superintendent of smelters, who extended hearty congratulations on behalf of all the boys in the plant.

Dropping into the Smelter Efficiency Office to sign the receipt for his award, Charlie was shown the voluminous file of records kept on his suggestion while it was on trial, to determine what savings it would accomplish and thus what his prize would be. At the left is Al Eldridge, and in the centre is Alvin Nickle, Smelter efficiency engineers. Charlie told them he had thought he would receive a fairly substantial award, but he hadn't any idea it would hit the \$1,000 mark. "It was certainly worth waiting for," he said with a grin.

The Cottrell Plant is the place where flue gases from the roasters and converters receive an electric shock treatment to relieve them of the metal dust particles they are trying to carry off up the big stacks. Engaged in the periodic maintenance and repair work in the Cottrell Plant, Charlie Brown had noticed how seriously it was complicated by tightly packed accretions of flue dust. Finally he dropped into the Suggestion Box his idea for preventing the formation of these trouble-

(Continued on Page 7)



Charlie Brown \$1,000 Winner

(Continued from Page 6)

some deposits. Like most of the big Suggestion Plan winners it was a fairly simple idea, but for Charlie the beauty of it was that nobody had thought of it before. The Suggestion Plan Committee quickly ordered it put on trial, and although considerable time passed before the results could be accurately measured, the day of reckoning finally arrived and Charlie was "in".

The only other \$1,000 award under the Suggestion Plan to date was won by Pete Denniel at the Open Pit in December of 1944 for a plan to reinforce bulldozer rollers and thus prolong their life.

With Inco 11 Years

Born in London, England, Charlie Brown came to Canada in 1928 under a Church of England emigration scheme, and was first employed on farms in Southern Manitoba. Farming and church work occupied him for the next nine years. Then, in 1937, he came to Inco at Copper Cliff and went to work on the roasters. He transferred to the Cottrell Plant in December of 1939. He joined the RCAF in July of 1941 and served on the West Coast and in Alaska as an airframe mechanic, returning to the Company after his discharge in 1945. He was married in October of 1939, and owns his attractive home on Wembley Drive.

"Winning \$1,000 is quite a feeling," he says. "It can't happen again too soon."

A summary of Employees Suggestion awards since the inception of the Plan early in 1944 is given below:

Plant	Submitted		Accepted	Awards
	To Date	To Date		
Frood-Stobie	1,207	158		\$ 2,038
Open Pits	1,063	166		4,354
Creighton	1,196	153		1,380
Levack	226	40		321
Garson	633	99		1,114
Murray	168	29		193
Lawson Quarry	24	6		42
Concentrator	2,346	416		6,227
Smelter	1,963	357		8,135
Coniston	832	167		1,439
Cu Refinery	1,139	430		4,197
Port Colborne	764	139		4,418
Power Plants	69	31		155
Totals	11,630	2,191		\$34,022

THE WRECKERS

I watched them tearing a building down,
A gang of men in a busy town,
With a ho-heave-ho and a lusty yell,
They swing a beam and the side wall fell.
I asked the foreman: "Are these men skilled,
As the men you hire if you had to build?"
He gave me a laugh, and said: "No
indeed!
Just common labor is all I need.
I can easily wreck in a day or two
What builders have taken a year to do."
And I thought to myself as I went my
way,
"Which of these roles have I tried to
play?
Am I the builder who works with care,
Measuring life by the rule and square?
Am I shaping my deeds to a well known
plan,
Patiently doing the best I can?
Or am I a wrecker, who walks the town
Content with the labor of tearing down?"

NOT THAT CRAZY

Visitor (at asylum): "Do you have to keep the women inmates separated from the men?"
Attendant: "Sure. The people here ain't as crazy as you think."



Thanks, Fellows

Evan Jones, assistant master mechanic at Copper Cliff Concentrator, here speaks in appreciation of a presentation made to him by the Mechanical Dept. supervision on his retirement last month. On his left are Harold Bruce, George Black, and Wm. Beaver, and in the background at the piano is Bill McCartney, all of whom had a hand in the well-arranged party. A snappy floor show was part of the program. Mayor W. T. Waterbury testified to the guest of honor's good citizenship during his 18 years in Copper Cliff.

Say Farewell To Evan Jones

"My years with the Company have been happy ones due to the comradeship which pervades the entire organization. I had your help when I needed it through the years of my service, and appreciate your thoughtfulness and willingness. I am proud of having been one of you and have enjoyed working with you all."

Thus spoke Evan Jones to a large gathering of Mechanical Dept. supervision at a farewell banquet they gave him in the Italian Hall, Copper Cliff. Presentation of a mantel radio was made to him by W. J. Ripley, master mechanic of smelters, who voiced the general regret at his retirement.

Mr. and Mrs. Jones have left for Vancouver, where they will make their home.

Had Broad Experience

Born in Llanbedrog, North Wales, in 1885, the son of a quarry supervisor, Evan Jones left school at the age of 13 to become a machinist apprentice, and in the next seven years obtained a broad mechanical training. At 20 he came to Canada, going straight to Vancouver where he was soon engaged in the work for which he was trained. He was master mechanic on the construction of 11 miles of tunnel for the fast-growing young city's sewage system. Joining the firm of Northern, Stewart, and Welch, he was master mechanic during the First Great War at a "war baby" shipyard building cargo ships, and after the war started construction of the Ballantyne Pier in Vancouver. Then he was sent to Newfoundland to handle the mechanical details of nine miles of canal construction and the building

of a power plant at Cornerbrook for the big pulp and paper project there. His next assignment was on the Welland Canal, where he spent nine years as master mechanic on Section Eight from Port Colborne toward Welland, and it was there he made his first contact with Inco. In September of 1930 he came to Copper Cliff as assistant master mechanic, with the concentrator as his domain, and there he continued until his retirement.

He was married at Vancouver in 1912 to Miss Eliza Douglas-Wilcox, an English governess who had kept him waiting three years before she finally gave him the magic word. They have two children: Evan, who is located in Montreal with the Dominion Rubber Co., is married, and has one child; Mary, who is Mrs. George Reid, wife of a former Copper Cliff hockey star vastly popular with the fans as "Bubbles," who is now in Milwaukee with Bucyrus-Erie and has three sons.

Although he retires on disability pension, Evan looks forward to many years of active life as long as he heeds the doctor's orders. That he will do so, and that he and Mrs. Jones will be very happy in their new home, is the sincere wish of their wide circle of friends.

THE SENSITIVE TYPE

A man hurried excitedly from the rear railway car into the one ahead. "Has anyone got any whisky?" he shrilly inquired. "A lady back there has fainted."

Two or three flasks were offered instantly. Seizing the largest, he looked at it critically, uncorked it, put it to his lips, and took a long, lingering pull.

"Ah!" he exclaimed, with gusto. "I feel better now. Seeing a woman faint always did upset me."

Legion Project Again Rings Bell



THE PICTURES

Arn Boyd, assistant sports director (left) and Specs Telford Sr., sports director of Copper Cliff Branch of the Canadian Legion (right) appear in the first picture above with captains of the teams playing in the Legion-sponsored minor baseball league last summer. The team captains: standing, Bob Runciman, Copper Cliff Flyers (junior); Walter Podedworny, Copper Cliff Flyers (senior); Barry Williams, Copper Cliff Gunners (junior); John Sleaver, Copper Cliff Gunners (senior); Giles Rivel, Creighton (senior); Wayne Wilson, Gatchell (senior); kneeling, Ken Signoretti, Copper Cliff Bombers (junior); Dennis Sanichioni, Copper Cliff Spitfires (junior); Jackie Porter, Sudbury Sea Cadets (senior). In the second photo Legion President Dunc Finlayson presents his trophy to John Sleaver of the Gunners, the championship team, at the banquet winding up the season.



Joe McDonald, inveterate minor sports booster, and Specs Telford, the Legion's sports director, also spoke, stressing the principles of good sportsmanship and good citizenship.

Legion President Dunc Finlayson presented his trophy to John Sleaver, captain of the league champs, the Copper Cliff Gunners. The Demarco trophy and medal for the senior batting championship went to Walter Podedworny, captain of the Flyers, who had an average of .467. Bernie Bucholtz of the Sudbury Sea Cadets received the Mrs. George Barnett trophy for his team's best batting average, .444, the presentation being made by George "Barney" Barnett, president of the Nickel Belt Baseball Association, who also presented on behalf of Mrs. Norman Porter three special prizes to Specs Telford, Arn Boyd, and Weir Stringer for their splendid work in operating the league.

The Most Valuable Player award was won by Lawrence Kavanaugh of the Copper Cliff Flyers, who received the trophy from Specs Telford. A special feature was the presentation by Vic Hillen, better known along the Converter Able and in Christie St. Hospital, Toronto, as the irrepressible "Red," of wallops hand-made by himself to the most valuable players of all the senior teams: Lawrence Kavanaugh, Darwin Howard, Bill Mulligan, Cummings Burton, and Teddy Toppazzini.

A display of magic by Denis Thyne provided the finishing touch to the evening's

entertainment, and 134 young fellows finally headed for home, tired but mighty happy.

Old Headache Of The Angler Cured By Monel Tackle

A new type of fishing tackle that won't kink or rust is proving to be an antidote to anglers' headaches. It is made of Monel to the familiar Bead Chain design so frequently used for electric light pull chains and many other purposes around the home.

Items now being produced consist of swivels, leaders, eelskin jigs, casting and trolling leads and trolling spoons.

The outstanding feature of all the products is that each bead in the chain is a perfect swivel. It is impossible to kink or untwist a line when Bead Chain tackle is used since the free swiveling of the beads will take up any movement of a lure or bait. A new type of end ring, which will not cut lines, was specially designed for these products. And no longer will it be necessary for fishermen to carefully dry out leaders to prevent them from kinking. Bead Chain leaders can be put away in the tackle box immediately after use without fear of kinking, rusting or rotting.

Use of Monel not only provides complete freedom from rust in salt and fresh water, but also adds exceptional strength. The new line of tackle supplements the application of Monel and other high nickel alloys for many angling purposes, including lines, reels, tackle boxes, and "Z" Nickel fishhooks. The latter alloy likewise is rustproof and is heat treated to furnish unusually high strength.

The tackle includes 25, 50 and 75-pound test swivels, consisting of four beads, either with end rings alone or with one or two snaps. For "big game" fishing there are four and eight-bead heavy duty swivels, of 200-pound test chain. Leaders of 25 and 50-pound test chain are available in six, twelve, twenty-four and thirty-six-inch lengths. Streamlined casting and trolling leads are made in varying weights from 1/4 to two ounces. Eelskin jigs of 75-pound test and a variety of trolling spoons complete the line.



HERE'S SUSAN DIANNE

Blonde-haired, blue-eyed Susan Dianne Boudreau, who rules the roost with a firm hand at 637 Lorne St., Sudbury, is one year old. Her dad, Phil Boudreau of Copper Cliff Shops, has been with Inco for six years, and her mother, the former Shirley Fleming, was in the Accounting Dept. for almost five years. They think Susan is a pretty nice number.

Banquet Ends Great Season

If the racket they can kick up and the grub they can consume are any criterion of their baseball ability, the kids in Copper Cliff Legion's minor league will be ready for the jump to the majors about the day after tomorrow.

At the second annual banquet which the Legion staged at the Italian Society Hall Oct. 7 to wind up its minor league season, 134 vigorous young voices were raised in such a joyous bedlam that the applause meter went home with a headache, and 134 man-sized appetites mowed down heaping platters of chicken and spaghetti, topped off with apple pie. Only one of all the boys in the loop was unable to get to the party, and he had everybody's sympathy because it was a great do.

"To develop good sportsmen, good players, and good Canadians," were the reasons the Legion operated the league. In the opinion of Inco's Vice-President R. L. Beattie, who in a brief address warmly congratulated all concerned on the outstanding success of the project.

20-Ton Underground Leviathan For Murray



One of the new 20-ton trolley locomotives which will go into service underground at Murray Mine is pictured above. Dwarfing present haulage motors, largest of which is 8 tons, the new type will also go into action at other Inco mines where heavy duty haulage equipment is required. Bert Beach, electrical foreman at Murray, is seen at the control of the underground leviathan, which has two 120-h.p. motors, is 20 feet long. It will haul Granby-type ore cars with a capacity of 188 cu. ft. each, compared with the 52-cu.-ft. cars now in use, and rotary tipple cars of 260-cu.-ft. capacity compared with the 100-cu.-ft. ones in use at present.

Mr. and Mrs. Maurice Johnson



Says That Life Begins At 65

If you take Maurice Johnson's word for it, life really begins at about 65. As full of pep as a young colt of 30, he spent the first evening of his retirement wishing he and his wife could step out to a good old-time square dance somewhere in the district.

After 30 years with Inco at Creighton Mine, Maurice retired last month on pension. He and his family will eventually make their home in Sudbury.

The son of a general contractor, Maurice was born at Halmstad, Sweden, on October 7, 1883. He emigrated to the United States in 1903, and seven years later came to Canada to settle at Sault Ste. Marie. He arrived

at Creighton in 1916 as a steelworker with Dominion Bridge Co., and had a hand in the construction of No. 3 Shaft rockhouse. On April 2, 1918, he enrolled with Inco in the Mines Mechanical Dept., where his ingenuity and dependability were soon recognized, and worked his way up to the post of rigger foreman. Five years ago he transferred to the plate shop and there served out his time.

Married In 1911

In June of 1911, at the little log church at Kipling, near Warren, Maurice was married to Hilda Mary Ackland. One of their sons, Elmer, is employed with Inco at Creighton; the other, Edsel, is in the heating and plumbing trade at Hamilton. Their daughter Mildred (Mrs. S. Dobson), of Creighton, has a son Stanley, aged 8.

In retirement Maurice expects to find time for the hunting and fishing he's been neg-

lecting, and will also miss no chances to brush up on his Scandinavian dancing, at which they tell us he's without a peer. His host of friends at the mine extend to him and his wife best wishes for continued good health and happiness.

SOMETHING IN THAT, TOO

A clergyman at a dinner had listened to a talkative young man who had much to say on Darwin and his "Origin of Species."

"I can't see," he argued, "what difference it would make to me if my grandfather was an ape."

"No," commented the clergyman, "I can't see that it would. But it must have made a great difference to your grandmother."

More Indians live in B.C. than in any other province. There are 25,515, one-fifth of the national total.



MONKEYSHINES AT MIDLAND

Sally and Norma Crawford, Garson, are seen cavorting on the beach at Little Lake Park, Midland, during last summer's vacation. Their mother says it's a lovely beach, especially for small children, and there are plenty of big shady trees, as the snap shows. Their dad, Robert Crawford, has been on the Inco police force for 12 years, during the first nine of which he was stationed at Coniston.

Family Argument a la Currie



When Esther and Jimmie Currie of Creighton want to settle an argument, they hustle over to the bowling alleys at the Employees Club and do their "striking" there. "Doesn't mark us up like the old-fashioned family slugfests," they say.

"Take that, you wretch!" says Esther, pitching a strike.

"Okay, my proud beauty, how do you like this?" counters Jimmie, coming right back with a double.

It doesn't say here who wins most of these bowling bouts, but Esther would have been hard-pressed to get the decision over Jimmie the evening of Oct. 26. In a regular league match he clipped the maples for the highest single game score of the Creighton season to date, 428. He rolled 10 straight strikes before the gremlins got to him and spoiled what looked like a perfect game.



275 Bowlers At Creighton

Thirty seven teams, split into four leagues, are again keeping the alleys hot at Creighton Employees Club as the bowling season hits full stride, and Steward George Rymer reckons as how it looks like a big winter.

In addition to the 200 bowlers in the adult section, the Creighton Club has a thriving teen-age division of 75 boys and girls who literally "take the place over" on Saturday nights.

Personnel of the teams in the adult section:

MEN'S A LEAGUE

H. Narashek (Capt.), A. Carbonne, W. Zyma, D. Cox, T. Maki, C. Cretzman, M. Bruce (Capt.), N. Silverson, W. Mitchell, J. Krystia, P. Donnelly, T. Behenna, J. Woznow (Capt.), A. Blackwell, W. McGlashen, M. Truskoski, J. Behenna, A. Brownlee, J. Mitroff (Capt.), R. Truskoski, E. Hreljac, E. Mayer, P. Gallagher, J. Glibe, G. Luck (Capt.), J. Conners, L. Sanchetti, E. Johnson, A. DeFillippo, T. Wallace, G. Curry (Capt.), J. Currie, B. Cayen, A. Caselli, T. Murphy, S. Dobson, M. Hreljac (Capt.), N. Reid, J. Szendry, T. Mulligan, G. Briggs, D. Mynerich, W. Chornenky (Capt.), H. Farrel, A. Wagnin, W. Blackwell, G. Sutton, J. Truskoski,

MEN'S B LEAGUE

H. Bihun (Capt.), E. Cretzman, R. Alemany, B. Slaughter, L. Adair, L. Brownlee, B. Elemond (Capt.), P. Girard, W. Osika, G. McLaughlin, H. Winkler, T. Mulligan, B. Kosher (Capt.), L. Nardic, R. Serpell, A. Zacharosky, T. Blais, V. Lucas, B. Alemany (Capt.), G. Cassellman, C. Wigneault, G. Harley, P. Bazzell, S. Wright, P. Sanchuk, G. Wallace, E. Cappelletti, P. Murphy, H. Vardy, J. Carroll, C. Walford (Capt.), J. Douglas, C. Stult, J. Rheume, T. Shannon, J. Tullis, R. McCormick (Capt.), F. Gotro, D. Vancleuf, G. Minard, E. Willgos, P. Petryshan, H. Lauzon (Capt.), N. Trefiak, M. Wandziak, D. Mercer, P. Phillips, M. Fortier, S. Sherbanuk (Capt.), C. Petryshan, W. Bigwood, J. Hreljac, R. Rempel, L. Chapman,

W. Vettors (Capt.), W. Petryshan, B. McCormick, S. Anderson, D. McMillan, P. Chedskow,

G. Gonnella (Capt.), D. Lamarche, M. Osika, S. Smith, R. Brousseau, J. Wallace,

LADIES' LEAGUE

F. McMahon (Capt.), B. Brown, C. Cole, M. Kroll, H. Michell, M. Behena (Capt.), C. Brooks, S. Sherbanuk, P. Morbin, A. Willgos,

P. Cushnir (Capt.), M. Ostached, L. Lauzon, R. Burnside, L. Seguin, J. Conners (Capt.), S. Cretzman, M. Campbell, E. Vancleuf, J. Gotro, H. Mynerich (Capt.), O. Cayen, C. Truskoski, N. Anderson, H. Samchuk, H. Cassell (Capt.), T. Farrel, M. Paquette, B. Gorman, O. Smith,

MIXED LEAGUE

A. Cassel (Capt.), Mrs. Cassel, D. Vancleuf, Mrs. Vancleuf, W. Pilon, Mr. Pilon, J. Conners (Capt.), Mrs. Conners, R. McLeod, Mrs. McLeod, B. McCormick, Mrs. McCormick,

R. Lalonde (Capt.), Mrs. Seawright, F. Truskoski, Mrs. Davies, B. Kocher, Mrs. Briggs,

P. Donnelly (Capt.), Mrs. Donnelly, W. McKee, Mrs. McKee, J. Krystia, D. Pinylo, D. Cox (Capt.), S. Curry, G. Minard, Mrs. Minard, V. Tremblay, Mrs. Tremblay,

E. MacNaughton (Capt.), D. MacDonald, B. Cayen, Mrs. Cayen, F. Gotro, Mrs. Gotro, N. Reid (Capt.), Mrs. K. Davey, J. Behenna, M. Behenna, L. Smith, Mrs. Smith,

B. McCormick (Capt.), M. Grotoli, B. Elemond, Mrs. McMahon, L. Brownlee, Mrs. Brownlee,

H. Lauzon (Capt.), Mrs. Lauzon, W. Mitchell, Mrs. Mitchell, E. Carroll, Miss B. Dolson,

J. Craigen (Capt.), Mrs. Craigen, E. Chenier, Mrs. Chenier, W. McGlashen, Mrs. McGlashen,

E. Hreljac (Capt.), A. Flora, C. Girard, Mrs. Girard, B. Behenna, Mrs. Behenna,

J. Szendry (Capt.), E. Currie, W. Blackwell, Mrs. Blackwell, L. Goard, Miss Novasad,

T. Behenna (Capt.), V. Hamill, A. Michel, Mrs. Michel, P. Besner, Mrs. Seguin.

NOBODY WAS CHASING HIM

"I had an odd dream last night, my dear," Mr. Harris remarked at the breakfast table. "I thought I saw another man running off with you."

"Really?" rejoined Mrs. H. "And what did you say to him?"

Mr. H. set down his coffee cup, pushed back his chair, and with a wary eye measured the distance to the back door.

"I asked him what he was running for," replied Mr. H.

In a year Canada makes more newsprint than the total made in the next five leading producer countries combined.



IN THE BIRDHOUSE

When he grows up he may now and then find himself in the doghouse, but for the present the birdhouse is good enough for Mickey Macko, 6-mos.-old son of Mr. and Mrs. Andy Macko of Creighton Mine. The cute snap was taken in September at Simon Lake Park, and the little house is actually the enclosure for the park guest-book.



Marksman Hold Season's Finale

Members of Copper Cliff Rod and Gun Club, which has 345 members, held their final shoot of the season Oct. 24 at their stamping grounds on the Soo Highway. Third such event this year, it drew a good turnout of marksmen and saw keen competition in every class.

In the first of the accompanying pictures is a group of skeet-shooters: John Avery is about to go into action, and watching him are Charlie Michener, Bill Dixon of Sudbury, Don Ferguson, and Harold McMaster of Sudbury.

In the second picture Kel Sproule tries to get chummy with the target wolf whose carcass he has punctured countless times with expert shots. The wolf looks a little suspicious of this sudden good-neighbor policy.

Has Article Published

In the third snap Clarence Buck, secretary of the Rod and Gun Club, stands with Bill Humphries beneath the running deer targets. Bill designed this novel feature, and last month he brought continent-wide publicity to the Club when the American Rifleman, official journal of the National Rifle Association of America, published in Washington, carried an article he wrote on the subject. Travelling on wire suspended between two trees, with gravity as the moving force, the plywood figure of the deer mounted on wheels covers 34 yards in clear view in eight seconds, providing an excellent test of marksmanship. Two deer are used to speed up the competitions.

Copper Cliff and Sudbury crackshots made an impressive showing in the second annual Northern Ontario skeet championships held at Timmins on Labor Day. The meet will be held in Sudbury next year.

The five-man Sudbury lineup of Harold McMaster, Bill Dixon, Doug Thompson, Jack Allen, and Don Ferguson placed second in the team event, and every man came home with at least three or four individual prizes. Don Ferguson and Jack Allen also came second in the 2-man shoot, besides figuring in several single events, and each picked off a total of seven trophies. Ferguson's loot was typical of the generous array of booty the Timmins enthusiasts provided: he won a 14-lb. ham, a hunting knife, a Kenwood blanket, a car spotlight, an electric cup, and two Coleman portable gas stoves.

More than 90% of all petroleum produced in Canada comes from Alberta.





Four Pairs Of Brothers Get Buttons

Colborne when four pairs of brothers received membership buttons in Inco's Quarter Century Club at the same meeting. The presentations were made by R. L. Beattie (right) vice-president and general manager of the Company. Seen with him are the four pairs of brothers, whose combined service totals 207 years: back row, Art and Joe Byng; front, Bill and Hugh McDonald, Giuseppe and Antoni Concessi, Jim and Angus Emburg.

A unique distinction in Canadian industry was won last month by the Nickel Refinery at Port



Make Presentation to Bill Dixon On His Retirement at Garson Mine

In Supt. Foster Todd's office at Garson a group representing all the men in the mine assembled at the presentation of a well-filled wallet to J. W. Dixon on his retirement last month.

In the course of 25 years of service at Garson Bill Dixon had his share of joy and of trouble, taking each as it came with a quiet philosophy and never failing to do his job conscientiously and well. The handsome gift he received from his fellow-workers was evidence of the respect and esteem in which he is held.

Bill's birthplace, on Sept. 9, 1883, was Sunderland, England. He served four years at Malta in the First World War. In 1923

he came to Canada to join his brother-in-law, Jack Bell, at Garson. He and Gordon Bell, Jack's brother, now master mechanic at Falconbridge, built homes on the Sked Road to start a little colony of ex-Sunderland people which at one time boasted 25 people.

Married in Sunderland in 1915 to Sarah Rutter, Bill is the father of a family of five: John, of the Open Pit, with Inco 24 years; Ernie, of Frood, with the Company 19 years; Sarah (Mrs. S. Reid), whose husband is employed at Falconbridge; Lily (Mrs. Albert Lee), whose husband works at Garson; Mary, a member of the postoffice staff at Falconbridge.

Bill worked underground under the late Alex Pollock when he started at Garson, but after three months he was transferred to the steel shop. During the past five years he has been stationed in the storehouse, and was unto the man who tried to obtain material there without a proper order.

Clyde Dunsmore, Garson Mine storekeeper, is seen wishing Bill "all the best" in the above photograph, and grouped in the background are Supt. Todd, Sid Gemmell, George Secker, George Sullivan, Ed. Daley, Keith Harris, Al Donough, Jock McIver, Ray Beach, George Quilty, Ed. Mills, and Archie Massey.

NO ARGUMENT THERE

"Wonder which is more satisfied — a man with a million dollars or a man with six kids?"

"A man with six kids."

"Can you prove it?"

"Well, a man with a million dollars always wants more."

HE'S POOR COMPANY

An elderly man became worried about himself and went to see a doctor. The doctor listened to his account of his trouble and replied:

"My dear sir," he said, "this little habit of talking to yourself is nothing to worry about."

"Isn't it!" said the patient indignantly. "You don't know what a darned bore I am."

LET'S BE SENSIBLE, JOHN

A revival meeting was in progress and one of the partners in a coal concern had joined the church. He tried to get his partner to do likewise. "I just can't do it, John," whispered the partner when the insistence became irksome. "If I join who'll do the weighing?"



Your Lead, Partner

now that Fall activities are underway. More than 20 tables were in play the evening these pictures were taken. In the top group Mr. and Mrs. Charles Dorian are pitted against Mrs. W. Wilson and Mrs. George Gilbeau; in the other quartet Miss Grace Elliott and Charlie Price are drawn against Mrs. E. Boyer and Mrs. C. Potvin. Master of ceremonies in the card room is Jack Deacon.

High-grade watch movements are being rhodium plated to withstand the effect of moisture condensation due to changes in humidity.

Ornamental silverware, such as trophies, desk accessories, tea service sets, trays, and silver-decorated glassware are being rhodium plated, often over a thin nickel flash. The production of silver-decorated glassware has been revived with the advent of rhodium finishing, which overcomes the tendency of silver to discolor rapidly in the shops and at home.

Has High Reflectivity

Front surface mirrors used in a variety of optical instruments are rhodium finished by electroplating, or, in the case of non-conductors, by high vacuum evaporation, with the reflecting surface in front of the glass . . . thus eliminating the double image formed in conventional mirrors in which the reflecting surface is in the rear of the mirror back of the glass.

Rhodium is even whiter than platinum and palladium in color, and has a considerably higher reflectivity.

The melting point of rhodium is 1966°C. (3570 F.). It resists most common acids and other corrosive chemicals, including aqua regia, which will dissolve both gold and platinum.

Silver is the only metal which can be electrodeposited with a greater degree of reflectivity than rhodium. Since silver tarnishes on atmospheric exposure, its reflectivity drops to values below that shown in the curve. Silver and gold show a lower reflectivity than rhodium in the near ultraviolet. Rhodium finishing was widely used during the war for anti-aircraft searchlight reflectors, military range-finding instruments, aviation reconnaissance cameras, and communications instruments, radar tuning devices and other applications where its ability to withstand a wide range of atmospheric conditions were invaluable.



BOB DUNCAN, CHAMP

Bob Duncan of the Warehouse at Copper Cliff Smelter won the golf championship of Inco plants in the Sudbury District, defeating Jim Dewey of the Mines Dept. in the final match. He was also a finalist for the Idylwyde championship, which was won for the second year in succession by Ron Silver, Mines Dept. The veteran Scottish player, a reformed pro, is seen above about to make one of those short chip shots at which his accuracy is deadly. The Inco handicap championship was won by Herb Olschansky of the Geological Dept., who met Jack Lilley of the Smelter in the final round.

Use Rhodium In Many Ways

Rhodium is one of the six precious metals classified by metallurgists as the platinum group—platinum, palladium, rhodium, ruthenium, iridium and osmium, all of which are produced from Inco ores. Where brilliant whiteness, high reflectivity, resistance to heat, tarnish resistance, hardness to withstand wear, or combinations of these properties are desired, rhodium finishing has proved to be an effective and often a highly economical means of obtaining required qualities in a variety of products in jewelry, other decorative items, as well as in industrial applications.

While one of the most useful as well as one of the rarest of the group, rhodium is never used in its pure metallic state except as an electrodeposited coating on other metals. In this respect, it is much like chromium and for the same reason—hardness and brittleness. It is also used to some extent as an alloying element with platinum,

largely because of its hardening qualities.

The merits of rhodium in metal finishing are being recognized by such current applications as jewelry, plating of optical frames, production of projection machine and instrument reflectors, plating of watch movements, safety razors, cigarette lighters, silver-decorated glassware, ornamental sterling silverware, and sliding electrical contacts, particularly in radar tuning devices.

Rhodium plating is utilized extensively by jewelry manufacturers. Popular-priced costume jewelry, mass produced, is finished in rhodium electrodeposits and the metal is used as the reflecting surface beneath rhinestones and other artificial stones.

Resists Wear and Corrosion

Manufacturers of optical frames, metal wrist watch straps, safety razors, and cigarette lighters now use rhodium electrodeposited finishes, not only because of its appearance but also because of rhodium's corrosion and wear resistance. The hardness of rhodium electrodeposited from a sulphate bath has been reported by the National Physical Laboratories as 549-641 Vickers (515-602 Brinell) . . . higher than any of the other precious metals that can be electrodeposited.



Try Slusher For Mucking On Shaft Job

Looking for a way to overcome by mechanical means the hard work involved in mucking for shaft-sinking, Inco's Mines Dept. is watching with keen interest the experimental use of slushers in deepening the Murray Mine shaft.

A 15-h.p. double-drum slusher hoist is located on a set of timber near the bottom of the shaft, and by an arrangement of cables running through pulleys anchored to the shaft walls, the hoist operates a scraper which is drawn back and forth across the shaft bottom. The scraper pulls the muck up an apron where it dumps into the sinking skip.

While the skip is being hoisted and dumped the scraper is reversed to muck out the area where the skip rests on the shaft bottom while it is being loaded.

Shaftmen Work Around It

The first of the accompanying pictures shows the scraper being pulled up the apron leading into the skip. In the second picture the regular crew of shaftmen carry on with normal mucking procedure, working around the area in which the scraper is operating.

As far as is known here, this is the first





Shaftmen In Their Lair

The shaft at Murray Mine, originally sunk to a depth of 1,960 feet, is being deepened to 3,500 feet. The crew of shaftmen on duty the day the Triangle went down to have a look at the slusher experiment reported on the opposite page is photographed here along with some of the mine supervision. Standing on the apron at the back are E. McNulty, K. Ettala, and F. Wlens, and in front of them are D. McDonald and M. Anteminchuk. Seated on the apron are V. Ollikainen, W. Stephenson, and R. Burford, mine engineer. Standing at the left of the apron are E. Conroy, senior foreman, J. Hautamaki, A. Arkand, and J. Ruble, while on the right are J. Morrison, A. Olive, senior foreman, and N. Creet, safety engineer.

experiment with a slusher for mucking in a vertical shaft. Mining men from Montana and Australia who recently visited Inco's operations asked to be kept posted on the results of the trial.

Advantages of shaft-sinking with a slusher are obvious, but it remains to be seen whether or not they will outweigh such disadvantages as the difficult job of relocating the hoist regularly as the shaft deepens.

NATURE STUDY

Teacher: "Today's lesson teaches us that certain senses of animals are more highly developed than man's. Jerry, can you name a creature that sees better than man?"

"Yessum," replied Jerry, "the eagle."

"Joan," continued the teacher, "will you tell us of an animal that can hear better than man?"

"A dog, teacher," answered Joan.

"Quite right," approved the teacher. "Now, Jasper, do you know of anything that smells better than man?"

"A rose".



Neat New Homes

The fruits of co-operation between Inco's Agricultural Department and occupants of the new homes constructed in Copper Cliff last winter are shown in the fine lawns and gardens already surrounding the dwellings. This scene, looking down Nickel St. from the Copper Cliff road, shows some of the neat new properties which, with the addition of trees and shrubs next year, will help to deepen the furrows in the brow of the judge in Inco's annual garden competitions.



**Trimming Fuse
Prior to Blasting, Garson**