



This fine totem pole, topped with a wolf's head, was presented recently to the 1st Cobalt Cub Pack. The head was donated by the department of Lands and Forests, and the mounting by Frank Todd of Toronto. Shown above are cubs Harry Koza and Allen McGugan, with H. Arnold Todd.

## Continued Progress at Agnico

Still in the throes of a stepped-up development and exploration program, initiated late last year, Agnico Mines is opening fine new ore at its Christopher silver property.

One of the main new ore finds occurs on the newly established 300-ft. level where exceptional widths, in places over 30 ft., have been encountered. The ore comprises a series of narrow veins, measuring from 1-1½ ins. Broken ore averages about 34 ozs. to the ton, or more than double the present milling grade of 13 ozs. per ton.

This new ore has been opened for a distance of about 100 ft. on strike and is open on one end to the southwest. Stopping operations have carried to about 40 ft. above the 300-ft. level.

Another new ore occurrence has been opened on the 300-ft. level south of the Christopher No. 2 shaft. This is thought to be the downward extension of the No. 17 vein worked extensively on the levels above. It has been drifted for a length of 60 ft. along the Columbus fault and averages about 16 ozs. across a drift width of five feet. It is still open on strike to the south.

The Columbus fault is the main structural feature at the Christopher and strikes across the approximate centre of the property in a northwest-southeasterly direction. Nearly all the ore found to date occurs to the south and southwest of this fault.

The accelerated exploration program, started late in 1960, is continuing unabated.

A drive on the 600-ft. level to investigate the Ibsen Pond area, south and west of the Christopher, is being resumed after a delay occasioned by hoisting difficulties. This drive has been advanced close to 600 ft. and has about 200 ft. to go to reach its objective.

The Ibsen Pond area is considered highly favorable for new ore possibilities owing to geology and structure, similar to that on the Christopher. Several holes put down from surface in prior years, and one drilled from the Christopher workings, disclosed some silver values of near ore grade tenor.

Work will also get under way shortly on the 740-ft. level where the main drift will be extended southeasterly to come under the main ore area lying in the southeast section of the property. This level is the deepest at the mine and lies entirely in diabase. It was on this level in the north section of the property that some spectacular high grade, assaying up to 4,000 ozs. per ton, and good milling grade ore, was discovered last year. The discovery was considered especially significant owing to the fact that it was some 225 ft. in the diabase below the overlying volcanics and sediments which up to that time had provided nearly all the ore at the Christopher.

On the 500-ft. level a crosscut off the main drift, has been driven

to the east about 100 ft. in an effort to cut the downward extensions of the No. 14, 15 and 16 veins. Two calcite veins, considered to be part of the No. 15 vein structure, have been encountered and a drive north on them is to be established. This occurrence is in the southeasterly portion of the property.

To the north end of the property also on the 500-ft. level, stoping has been started on a strong cobalt vein carrying medium grade silver values.

As part of the continuing exploration program, drilling is being carried out from the 400-ft. level to explore virgin ground in the northern portion of the property west of the Columbus fault. This program, recently started, has already met with some success, with several strong calcite veins carrying low silver values, being encountered.

The Christopher continues to supply the bulk of the mill supply or about 6,000 tons of the 9,000 tons milled monthly.

The remainder, or 3,000 tons, is supplied by the O'Brien property located just east of the town of Cobalt. The mill handles on an average about 300 tons daily with mill heads averaging about 13 ozs. to the ton. Silver output obtained from milling is sufficient to about pay off the cost of the entire operation, while the high grade, which is bagged and shipped separately, provides any profits.

The O'Brien property is looking quite promising, it is gathered from Mine Manager H. E. Cawley.

Excellent new ore has been developed at the north boundary of the O'Brien and extends into the Nipissing R.L. 402 claim which adjoins to the north. This new ore is at the 50-ft. horizon and has been drifted for a length of 90 ft. The vein itself measures about one inch in width and contains heavy plate silver assaying 6,000 ozs. to the ton. The vein is still open to the north.

The O'Brien No. 2 shaft, located in the northwestern section of the property, is to be unwatered to the 240-ft. horizon early this summer. The workings are free of water to the 100-ft. horizon where work has indicated several shoots of good grade ore.

In line with the company's stepped-up exploration program, work is to be started this year on the Violet property which adjoins east of the O'Brien. No work has been done on the property for many years and chances for finding new silver occurrences are considered favorable.

Some drilling has been carried out on the company's Nipissing property to the west of the O'Brien. Silver intersections were obtained but they could not be sufficiently correlated to establish mining. Surface geological work is to be undertaken this summer.

So far this year the company has been operating the mill at a rate of close to 9,000 tons monthly with the mill heads averaging be-

tween 12 and 14 ozs. per ton. Broken ore supply, including both the Christopher and O'Brien properties, comprise from 3-4 months' mill supply.

Owing to the shutdown of Deloro Smelting and Refining, Agnico now ships its high grade flotation concentrates to the American Smelting and Refining plant at Butte, Montana. Though shipping rates are higher to Butte, the company gets about the same smelter return, per ton of concentrate, as it did when shipping to Deloro.

## Scottish Mission Work Described by Speaker

In place of the regular meeting the Lorna Dabbs Mission Circle held a Thankoffering Meeting which was well attended by ladies from the Pentecostal Assembly and First Baptist Church, New Liskeard.

President Mrs. Cyrus Gagnon, assisted by Mrs. Gerry Kelly, conducted the opening devotions, which was followed by a season of prayer.

Rev. and Mrs. James Clark of First Baptist Church, Kirkland Lake, rendered a duet, "When In His Beauty My Lord I See".

Following a hymn Mrs. Clark, guest speaker, told of the Baptist Women's Missionary Work in Scotland, especially in Greenock where the Clark's spent six and a half years before coming to Kirkland Lake last year.

"Mission Circle Meetings are held weekly from October to April, with one extra work meeting a month, when the women make clothes for the missionaries or work on White Cross Hospital supplies. To conclude the meetings for the season, the ladies would go by bus for a day's outing down the coast of Scotland. During the latter part of the war the women organized to donate clothing, food and money which was sent to London to be distributed to refugees in Europe. The women also raised money for church renovations. One lady in particular raised \$300 in one year by holding an afternoon tea in her home every fortnight. For half a crown (35 cents) the ladies enjoyed tea and home baking."

Association meetings are held twice a year. On Women's Day in the Assembly about 2500 women gather to hear the guest speaker who is usually a Missionary. The President of the Women's Association for Scotland is elected and endeavours to visit every Baptist Church in Scotland during the year. To conclude her talk, Mrs. Clark paid tribute to the efforts of the women in maintaining the Baptist Churches, and expressed her appreciation for the invitation

# Langis Sinking to Reach Richer Ore

Langis Silver and Cobalt Mining Co. is just getting under way with a deepening program at its No. 3 shaft.

The shaft is to be advanced an additional 70 ft. below the present bottom at the 285-ft. horizon. This will provide one and possibly two more levels. Most of the initial lateral work will be concentrated at the 355-ft. horizon and, depending on results there, a level may be established at 320 ft.

The decision to deepen the workings stems from the encouraging results obtained in drilling below the 285-ft. horizon west and south of the No. 3 shaft.

In the No. 6 vein system three intersections were as follows: 373 ozs. across 11 ins.; 198 ozs. across 29 ins.; and 46 ozs. across 35 ins.

In the No. 26 vein system two intersections were obtained: 170 ozs. across 28 ins.; and 148 ozs. across 23 ins.

During the first quarter of the year the mill averaged about 80 tons daily with mill heads somewhat below the average of 48 ozs. for all of last year. It is now up to 90 tons, and mill heads are improving. When shaft deepening has been completed it is expected that milling rate can be increased to the capacity of 100 tons daily.

The 70 ft. of shaft sinking, plus the lateral work necessary to reach the ore indications, will likely take at least six weeks or more to complete, it is gathered from Mine Manager J. E. Jerome.

About 50 per cent of the mill feed is now coming from the No. 6 shaft area where new ore has been opened in an extension of the No. 40 vein on the bottom le-

vel at 370-ft. The vein has been drifted for a length of 100 ft. with the ore running 45 ozs. across five feet. The vein is still open to the north. A drill hole about 25 ft. ahead of the present face, in fact, obtained an intersection of 45 ozs. across a width of slightly less than 5 ft.

In addition to the drive on the No. 40 vein, stoping is being carried out on the No. 43 vein at the 370-ft. level and on the 42 vein on the 335-ft. level.

Development and exploration in the No. 3 shaft area is being continued while shaft sinking is under way. In the extreme northwest portion of the workings a drive is being pushed to the northeast on the projected extension of the No. 33 vein at the 215-ft. horizon. The No. 33 has been one of the most prolific at the mine and has produced about 500,000 ozs. to date.

To the southeast of the No. 33, another drive is being pushed on the 235-ft. level to the south into virgin ground. Drilling will be carried out from this drive as it advances.

### Ore in Volcanics

New ore has been discovered recently northeast of the No. 3 shaft. This development is considered especially significant, since the ore is in Keewatin volcanics. To date, all of the ore at the Langis has occurred in the conglomerates overlying the volcanics.

A drive on the 235-ft. level, approximately 1,000 ft. northeast of the No. 3 shaft, encountered a three-in. vein which gave assays up to 2,154 ozs. to the ton. Over a drift width of five ft., the average is 65 ozs. The vein has been opened for a length of 100 ft. and at that point is still present in the floor of the drift. Drilling is planned.

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### Sharing and Serving Theme of Rally

There is a Presbyterian Rally to be held in Haileybury United Church April 28, 29 and 30.

The theme is "Sharing and Serving". There are billets from as far north as Noranda. There will be games, handicrafts, discussion, sing-song and worship services.

The guest speakers are Miss Ines Watson of the Girls' Work Board, Toronto, and Miss Violet Hirsimaki, Provincial President of Sudbury.

An interesting and inspiring week-end is anticipated. Registrations will commence Friday evening at 7:30 p.m., April 28th, continuing through Saturday and ending after lunch Sunday.

to tell of the Baptist Women's work in Scotland.

## Rumor Denied By Tobacco Co.

Mr. D. J. Christenson of Timmins, who is connected with the MacDonald Tobacco Company was in town recently to squash a rumor that has been going around the town to the effect that the empty package of Export "A" cigarettes, if saved until 1,000 are accumulated, could be exchanged for a wheelchair for a crippled child.

This is absolutely untrue, as well as malicious and cruel, and is modelled on the same lines as the idea of saving the foil from cigarettes to be exchanged for a Seeing Eye Dog for blind persons.

The originator of a deliberate untruth of this sort must have a badly warped and twisted mind, to raise the hopes of people who perhaps have a crippled child and cannot afford to purchase an expensive wheelchair for them, only to find that the story was a figment of imagination.

### COUPON

My guess is that the ice will be out of Lake Temiskaming

on .....

Name .....

# BINGO

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