

Annual Ice Contest Invites Your Guess on Lake Opening

The Haileyburian's annual guessing contest on the date of the ice leaving Lake Temiskaming is, again open to readers. The origin of this early feature of the paper has been lost in the mists of time and no one living in the community at the present time knows just when it started but the records of the past fifty-eight years are intact, with the earliest date given at 1893.

Rules governing the contest are simple. Just fill out the coupon provided below and mail it to The Haileyburian Office. The closing date was set when the ice went out on April 9th, 1945. Entries must reach the office or be post-marked not later than that date. The prize is a year's subscription to The Haileyburian.

A record of dates over the 58 years is given below as a guide to those entering the contest. It will be noted that the earliest date for the opening is April 9, 1945, and the latest May 22nd, 1926, so there is a wide choice. The freeze-up occurred on December 12th last year, which usually indicates an early opening. Your guess is as good as your neighbor's and little can be gained by waiting, so get your entry in now.

Following is the record:

RECORD

1893	May 15th
1894	April 25th
1895	May 5th
1896	April 30th
1897	May 8th
1898	April 27th
1899	May 5th
1900	May 7th
1901	May 2nd
1902	April 23rd
1903	April 27th
1904	May 7th
1905	April 29th
1906	May 7th
1907	May 16th
1908	May 15th
1909	May 17th
1910	April 12th
1911	May 8th
1912	May 5th
1913	April 27th
1914	May 14th
1915	April 28th
1916	May 2nd
1917	May 10th
1918	April 30th
1919	April 24th
1920	May 6th
1921	April 26th
1922	May 5th
1923	May 21st
1924	April 29th
1925	May 2nd
1926	May 22nd
1927	April 25th
1928	May 14th
1929	May 5th
1930	May 5th
1931	May 1st
1932	May 10th
1933	May 7th
1934	May 5th
1935	May 9th
1936	May 13th
1937	May 8th
1938	April 22nd
1939	May 10th
1940	May 7th
1941	April 29th
1942	April 28th
1943	May 7th
1944	May 6th
1945	April 9th
1946	April 20th
1947	May 18th
1948	April 30th
1949	April 29th
1950	May 14th
1951	April 29th

COUPON

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

on

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A. D. Hellens Reviews Cobalt Comeback at Mining Meeting

(Continued from Page 2)

area of 50 square miles, the geology is similar to the central part of the Cobalt camp—gently dipping cobalt sediments resting on Keewatin lavas and intruded by the Nipissing diabase sill. This sill is largely eroded, leaving the lower contact area exposed. Exploration has been hampered due to the fact that 80% of the favorable area is covered with overburden. One major mine, the Casey Cobalt, was discovered and worked, but the balance of the area can be classed as unexplored. Overburden has not stopped developers in other mining camps. This area should be re-examined in the light of present day exploration, knowledge and methods.

Bucke-Lorrain Valley

This valley extends from the 10th concession of Lorrain township north for over three miles through the village of North Cobalt and the town of Haileybury. It varies in width from one-quarter to one-half miles. Geological conditions for the deposition of silver and cobalt are good.

Exploration has been hampered by heavy overburden. However, a limited amount of drilling in the centre of the area discovered the Harrison-Hibbert Mine which is now in production. At least 75% of this valley remains to be explored.

Gowganda

The deposits in this section of the cobalt silver area occur mainly within the Nipissing diabase sill. Ore shoots are controlled by flat faulting. Detailed structural geology followed up by aggressive exploration programs, has located substantial silver deposits for Siscoe Metals and the adjoining Castle Trethewey property. New Morrison Mines, to the south is now under active development and a substantial amount of silver ore has already been outlined. A considerable part of the Gowganda camp has not received a similar type of organized, well financed, aggressive program of exploration and development. Much ground remains to be explored.

Peterson Lake Area

The favorable lower diabase contact zone embraces the area underlain by the Peterson and Cart Lakes, and including adjacent parts of the Nipissing, O'Brien, and Tri-Nova properties. A comparatively large, untested lower diabase-Keewatin and diabase-sedimentary rock contact zone, which is favorable to the occurrence of major silver-cobalt ore deposits remains to be explored, lying within the more centrally productive part of the Cobalt area. On surface, only the barren part of the sill, that is, the center of the sill, is exposed. This barren portion of the sill can

be considered as overburden covering the productive horizons.

In the southerly part of the Peterson Lake area, there occurs the Worth vein which was quite productive, but is largely untested on its strike, it would appear to line up with an exploratory diamond drill hole which intersected six inches of smaltite on the lower diabase zone of the Tri-Nova which adjoins immediately to the east of the Peterson Lake property. On the north-western part of Peterson group, adjoining the Nipissing and O'Brien, an area of Cobalt sediments occurs, underlying the diabase. It is almost entirely untested, yet the lower diabase sedimentary zone yielded nearly 90% of all the silver produced in the central part of the Cobalt camp. Major financing would be required to properly explore the more favorable area by underground development and by exploratory diamond drilling.

South Lorrain Area

The Frontier and Keeley mines were the well known producers of this area, with the former noted for its high grade cobalt, and the latter for the richness of its silver ore. The Frontier cobalt ore averaged 12% cobalt in comparison to about 9% in Coleman township. This area has a considerable number of known and assumed fault zones, largely untested, but regarded as favorable for the occurrence of cobalt and silver.

The New Lake Basin

Approximately 4 miles south-east of the town of Cobalt, a roughly elliptical shaped mass of Keewatin lavas and sediments 3 miles long and over a mile wide rests on the Nipissing diabase sill. The bed of New Lake is in the center of this mass, and from the results of diamond drilling on the Mayfair and Silver Lake properties, it has been indicated that the Keewatin is thicker towards the center of New Lake, giving the Keewatin a basin shape. The area has been named the New Lake Basin.

Four major producers have been found on the fringe of this area. The Temiskaming Mine and the Beaver Mine, which were located during the early days of mining, and more recently, the Silver Miller and the Cobalt Lode. Over 26 million ozs. of silver have already been mined from this area, yet none of the oreshoots outcropped on surface. The only indications were strong calcite veins containing smaltite. When it is considered that the Keewatin rocks reach a depth of over 750 feet in the centre of the mass and that silver oreshoots seldom reach a distance of more than 400 ft. above and below the contact of the diabase, the possibilities for exploration are apparent, but over 70% of the basin still remains to be tested. Consider for a moment what the situation would have been in the Cobalt area if no

erosion had taken place. All the known deposits would be buried beneath of thousand feet or more of Keewatin lavas and cobalt series sediments. With silver and cobalt ore shoots seldom reaching 400 feet above the diabase sill, the Cobalt camp would still be undiscovered and unexplored. What then are the possibilities in the areas where the Nipissing diabase lies well below the surface?

It is important to remember that the areas outlined for their exploration possibilities hold little promise for the faint-hearted or ill-financed. Only systematic exploration and development is likely to yield results. To reiterate, Cobalt is no longer a poor man's camp. With a production record of almost one-half billion ounces of silver and over one hundred million lbs. of cobalt, (most of the cobalt was wasted during the early production era), no further incentive to exploration should be necessary.

In conclusion, there is one salient fact which should give us an insight into what the future holds for mining. According to recent estimates, the world's population is growing at the rate of 75 thousand people per day—75 thousand additional people who will require their portion of the world's metals. It is the prospectors, developers, miners, geologists, engineers and metallurgists, backed by adequate finances, who must discover

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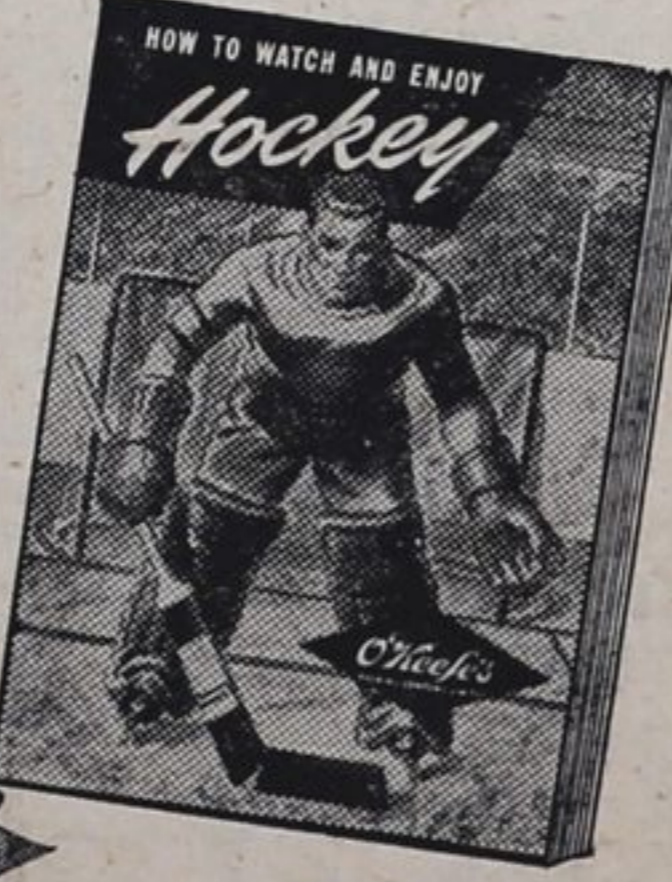



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