

## Rotarians Hear of Development Farther North

Mining Engineer of Railway Gives Illustrated Talk to Service Club

Members of the Haileybury Rotary Club were treated to a very interesting talk at their regular luncheon on Monday, when Mr. A. A. Cole, mining engineer of the T.&N.O. Railway, gave a minute description of the works going on to the north of the town of Cochrane. In connection with his address, Mr. Cole showed a collection of lantern slides, made from pictures taken on a recent trip he made over the extension of the railway which included the great bridge across the Moose River.

In his talk Mr. Cole dwelt on three parts of the operations, two of which are active and the third preparatory. The first two were the bridge over the Moose and the development of the lignite deposits along the Onakawana River, the third being the power development at the Abitibi Canyon.

In the country through which the railway extension runs, Mr. Cole said, the streams run in a more or less northerly direction. Three rivers, the Missanabie, Mattagami and Abitibi, all flow into the Moose, which finds its outlet in James Bay. The railway crosses the Moose at a point 142 miles north of Cochrane, where the big bridge has been completed. The placing of the steel on this structure and the cement piers on which it is carried formed the first part of the views shown and the speaker described the location in an interesting way. The bridge crosses an island in the river, and one section of the stream has been completely dammed by a fill of gravel and sand, while the bridge spans the other section, into which has been turned the whole flow of the river. The steel is carried on 17 piers, Mr. Cole said, the length of each span being 103 feet. Each of the beams weigh 103,000 pounds and they were made in Hamilton Ont., and shipped on three flat cars to the site. Pictures showing the progress of the work gave a very clear conception of the magnitude of the undertaking. The laying of the steel was completed on June 1st, more than two weeks in advance of the time set, Mr. Cole said.

The speaker passed from the bridge to the coal development, showing pictures of this feature of the northern work and explaining how Dr. Dyer, the geologist in charge, has worked out a system for ascertaining the extent of the deposits. He also showed some samples of the lignite product. Mr. Cole stated that at one point where the development is being carried on two seams of coal, each about 30 feet in thickness and with about 10 feet of clay between, have been opened up under an overburden of 100 feet. The coal can be taken out in large pieces, he said, and he stated a sufficient quantity was being mined to make a thorough test of its qualities.

Mr. Cole's description and pictures of the Abitibi Canyon were particularly interesting. He explained the system whereby the river was being diverted through two great tunnels through the solid rock, in order that the main dam might be built, showed pictures of these and the temporary steel bridge that has been thrown across the canyon, at a cost of nearly half a million dollars, and which will be scrapped when the work is done. Other views showed the entrances and exits of the two tunnels, with the water flowing through, the concrete abutments for the main dam and other phases of the big job which is being carried on there. Mr. Cole gave some interesting figures in connection with the power development, telling the meeting that when the work on the main dam started 100 cars of material would be used every 24 hours. There would be a fall of 237 feet and 275,000 horsepower would be developed, 100,000 of which had already been contracted for by the Hydro-Electric Commission for delivery to the Sudbury area. The speaker said that of the two tunnels driven to carry the water around the site of the dam, one had been lined with concrete and the other left in the rough. In spite of the fact that the diameter of the lined one had been reduced by a foot, it would carry 20 per cent more water than the other, owing to the smooth surface. There is also being constructed a channel about a quarter mile long, around the site to carry off the surplus water during flood time. In the construction of the tunnels work had been carried on at both outlets and inlets and a shaft had been sunk in the centre, thus providing eight faces in which the tunnelling was done. The whole project would cost around 23 millions of dollars, and there was about one and a half million dollars worth of equipment in use.

In opening his address, Mr. Cole told the Rotarians that the new Freeman, Pyrite Burner, which he described to the club on a previous occasion, had been responsible for the opening of a new plant at the Aldermac mine for the production of sulphuric and sulphurous acids, with a capacity of 500 tons daily. This plant would be ready to produce one half of this amount daily by the end of September and full capacity at the end of the year. He said it was a great pleasure to return from a visit south, where things were very depressing, to the North Country and find things in active operation.

A hearty vote of thanks was tendered to Mr. Cole at the close of his talk, and Mr. H. G. Pickard presiding at the meeting, spoke of the great pleasure it had been for all the members. During the business session of the Rotary Club, Mayor Hamilton outlined the proposals to be placed before the road conference at North Bay as expressing this section's stand on the Trans-Canada highway route.

Apparently free from all official restraint, Queen Wilhelmina of Holland, with Princess Juliana, heir to the throne, are shown happy and absorbed in a visit to the French Colonial Exposition at Paris. The Dutch monarch showed keen interest in the exhibits and the wholehearted pleasure of her sight-seeing tour is plainly written in her face.

### ROYALTY ENJOYS ITSELF



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### IN THE SURROGATE COURT OF THE DISTRICT OF TEMISKAMING

IN THE MATTER OF the estate of Hedley Seymour Hennessy, late of the town of Haileybury, in the district of Temiskaming, Lumberman, deceased.

AND IN THE MATTER OF the guardianship of Hedley Herman Moore of the town of Timmins in the district of Cochrane, an infant under the age of twenty-one years.

NOTICE IS HEREBY GIVEN that after twenty days from the date hereof, Alice Hennessy of the town of Haileybury in the District of Temiskaming, will make application to the Surrogate Court of the district of Temiskaming to be appointed guardian of Hedley Herman Moore of the town of Timmins in the District of Cochrane, son of Doctor Herman H. Moore and Lillian K. Moore of the same place, the said Alice Hennessy being the aunt of the said Lillian K. Moore.

ALICE HENNESSY,  
By her Solicitor,  
F. L. Smiley, K.C.  
Haileybury, Ont.

DATED AT HAILEYBURY, the 26th day of June, A.D., 1931.