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Fredericton, N.B.—Nearly one thousand students wrote at the annual departmental examinations at fifteen different stations throughout the province. They are taking normal school entrance, university matriculation, high school leaving, and superior teaching license.

Canada's Mining Industry**Mining Progressing Well**

Increased activity in the Elk Lake district — Radium discoveries made — The Nipissing is a heavy shipper

FROM OUR TORONTO CORRESPONDENT.

Another shipment of ore from the Castle property of the Tretheway-Cobalt Company is being assembled at Gowganda. It is stated that about six tons of high grade ore have been bagged and that arrangements have been made to resume work on the Silver Bullion property at Lerpy Lake. This property includes the old Dodds group of claims on which some rich ore is showing at surface.

Numbered among the properties again starting work in the Elk Lake mining division are the Silver Triangle Mines in Auld Township, the Cane Triangle, which was formerly the Kenaback Conglomerate-Hitchcock property near Wabun Station. These operations indicate a general increase in mining activity in the Elk Lake district. The Triangle, which was formerly the Kenaback Consolidated, has succeeded in having 400,000 shares of treasury stock underwritten and plans for considerable additional work are under consideration. On the Cane Silver Mines work was started early this month. It is stated that the original owners at Elk Lake, have sold their interests outright, and that part of the plan of operation of the present owners is to enlist the financial assistance of one of the Cobalt companies. In this connection it is stated that La Rose Consolidated has been approached.

The Mining Corporation of Canada was committed for trial this week at Cobalt police court on two charges laid against it in connection with the blasting work on the Buffalo open cut, although it was argued that the operations were necessary and inevitable in a mining camp. The Crown Attorney, however, urged that life must be protected and there was danger at the present time through the falling of rock from the work. An application for a non-suit was refused.

Interest in the discovery of radium was given a further impetus this week by the announcement that additional rich assays had been obtained from properties in Butt township. Recent development work on claims owned by Messrs. Young, Fisher and McQuire, adjoining the Elliot property, are said to have yielded very encouraging results. Several strong dyes have been stripped and these have been found to be wide and of the pegmatite variety, with feldspar the predominating mineral. Pitchblende is found in these, feldspar leads, which largely make up the dykes. The feldspar also carries uranium oxide, independent of the pitchblende, an analysis of which gave the radium content of 111.19 milligrams per ton. According to the owners, one dyke on the northern claim, appears to be the same as the one which has shown such rich values on the Elliot property, although more stripping will be necessary to prove this.

During the week ended August 6th three Cobalt companies shipped an aggregate of six cars containing approximately 514,123 pounds of ore. The Nipissing, with four cars, was the heaviest shipper.

A substantial silver find has been made on the claims of William Garvey near Smoothwater in the township of Donovan, according to a report from Elk Lake. The property was staked years ago and was formerly reported as belonging to

Mrs. Flower, of Gowganda. Garvey re-staked it after it was abandoned by the former owner, who had two different parties do assessment work on it, and both declared that it was valueless. Most of the ground in the vicinity of the find is held, having been staked some years ago and working permits refused on account of there being pine timber in the vicinity, so the claims are still in good standing.

The Keeley mine is now installing the old Tretheway mill which they purchased and the indications are that when it is running a good profit will be secured from the milling of low-grade ore. It is intended to handle eighty tons daily and while the mill is being erected excellent progress is being made underground. There are three good properties in South Lorrain which have from time to time produced the Keeley, Pittsburg-Lorrain and the Wettlaufer. These latter two mines have developed the possibilities of the area from good milling rock. The Wettlaufer paid \$637,435 in dividends.

There are also reports that some good finds have been made in the newly opened up Gillies Limit, and in the meantime the older part of the district is said to be going ahead fast. The Penley-Cobalt Exploration will develop several claims in the limit.

Officials' advices from the Rominco Mines Co. Inc., of Rochester, N.Y., regarding the Big Four Mines of Gowganda indicate that the company intends to go ahead and install modern equipment. Last spring the company launched a scheme to develop their 155 acres of mining lands in the Gowganda field. More than one year's supply of wood having been cut, the company commenced the installation of a steam-driven mining plant which was subsequently destroyed by fire. The fire appears to have made the property safe from the recurrence of such a contingency and this has led the company to decide to install more modern equipment. This will include an oil-driven mining plant which is to be purchased at once. The directors who recently visited the property express themselves pleased with the outlook. The main vein is estimated to contain a large amount of cobalt, this running as high as about twenty per cent.

The Kerr Lake production for June was just one half of the output of a year ago, and one quarter of the output for June 1918. The report shows 52,831 ounces, which is some six thousand better than the May report. The Dominion reduction mill is soon to start treating a large tonnage of low-grade ore for the Kerr Lake.

The Cravath Gold Mines is well satisfied with the assay of the core of the first diamond drill hole which shows encouraging values at depth, although the surface values are low. A second hole is already being drilled and it will tap another vein. The mine is located in Thomas township about six miles from the other mines of the camp.

That a fine body of ore has been recently discovered on the 400-foot level was an announcement made by President Frank L. Culver, at the annual meeting of the Kirkland Lake Gold Mining Company, Limited, held in Toronto on Tuesday.

Continued on page 17.