

## MATACHEWAN'S SCHIST EXTREMELY PROMISING

Formation Encountered on Otisse of More Satisfactory Character Than That on Davidson Which Adjoins—Encouraging Outlook for Other Properties in Vicinity

The Mining Corporation of Canada have finished sampling the Davidson claims in the Matatchewan gold area, but the result is not yet known. The option price of the property is, however, very high and the prospecting is onerous, and in view of these facts it is doubtful whether the deal will go through. The Davidson is a schist, and the ore bodies cannot be distinctly identified and the visible gold occurs in many places, but does not necessarily mean an ore body that can be worked at a profit. On the Otisse schist, on the other hand, the ore bodies are different and the outlook at present is very promising. It is understood that the diamond drill is indicating satisfactory values over a wide area, and recent developments point to the extension of this auriferous belt in a northeasterly direction as far as the Montreal River.

Jack Hollinger, whose property touches the Otisse on the east, has just proved the occurrence of the same belt on his holdings. F. C. Sutherland & Co. have also obtained payable values in a schist identical with that on the Otisse, and E. Jordan has also struck it rich in the same zone. The width of the favorable formation has, however, not yet been proved. In fact there is as yet scarcely time to obtain results from outlying claims, but the assessment work now under way will, in a few months, greatly extend our knowledge of the camp as a whole. Mining men as a rule are greatly interested in this area. It is considered likely to give us some very big results of a type quite different from either Hollinger, McIntyre or Dome.

Mineralized schist will, in our view, be the principal host of the gold. It is largely secondary, having replaced some previously existing igneous rock. The pyrite therein is unusually fine and very well distributed thru the mass, and we would expect values to be more consistent than in a wholly siliceous gangue. And then there is likely to be quantity, one of the main considerations of the practical mining man. There is no plan there cannot be any profit or even the return of more working costs. Prospects, however, are favorable than in the visible gold. At all events their attention is not centred on tonnage, but big tonnage of payable ore make the big gold mines of the world.

Burrows' Report. In bulletin No. 24 of the Ontario Bureau of Mines, A. G. Burrows deals very fully with the porphyry which is so prominent in the Davidson claims. He shows that the quantity of iron pyrites carried by this rock varies greatly in different portions of the property, and no doubt this is so, for in no place which came under the observation of the writer could it be said that the oxidation of sulphides was a leading factor in the disintegration of the rock. Mr. Burrows, however, shows that in one place there is over six feet of loose oxidized material. He therefore suggests that a proper examination of the deposit it would be necessary to prospect below this shallow, rusty surface by means of open cuts thru the weathered rock by drilling or by shafts. The great difficulty in reference to the Davidson appears to be the irregularity in the distribution of the precious metal and the want of any well-defined zones, where it can be certainly said that gold has accumulated in economic quantities in several places.

The shearing on the property has been tremendous at all events on the lower ground on the east side of the lake and systematic exploration will no doubt bring to light some very large ore bodies. They are, however, much more likely to be in the schist than in the porphyry. The former seems to have been derived from the schist, and one statement in Mr. Burrows' monograph supports this view. He says that ankerite forms a part of the schist. It seems to be an original constituent on the Otisse. These sulphides, entirely unweathered, can be seen in the schist along with the brown rust from ankerite. We have noticed similar conditions in several places in the Porcupine camp.

The porphyry at Matatchewan owes its gold to the secondary quartz which is found in veins here and there thru the mass. These are not sufficiently numerous or regular in distribution to be of much importance as the source of gold. At Kirkland Lake, a strong fissure cuts thru the porphyry for several miles, and in this the most of the precious metal is found. But at Kirkland Lake does not at present promise any very large production. The time to date is under \$100,000. The ore shows as a rule are short and there are no large tonnages anywhere blocked out. There is no plan to increase in size with greater depth. At Matatchewan, however, there is no plan for the concentration of the scattered gold in the porphyry into one workable mass. Hence the schist seems to afford the best opportunity for successful exploitation. The promise of the schist is exceedingly good.

S. R. Clarke.

Strength of Stock on Buying From North Daily Market Feature.

Davidson Gold Mines stock has been one of the strong trading features of the Standard Stock Exchange during the past few days, advancing from 30 to 24 1/2 on solid buying.

Enquiries for this stock have been coming in from Northern Ontario, indicating that those in close touch with developments in the gold area regard the Davidson as a coming big producer, and consider this an opportune time to buy in at low prices. No doubt the fact that the sinking of the shaft to a depth of 700 feet, where especially rich gold deposits are known to exist, is a most important factor in the Davidson's demand for the shares. Another favorable factor is the fact that the company anticipates making when the electric power line from South Porcupine is installed, supplanting the power now being delivered from the fuel. New drilling equipment is also being added to increase the blocking out of ore.

The Canadian Mining Journal says: "The Davidson is a country of great natural resources, but it is well to remember that these resources become valuable only when utilized. Every day that gold lies in the ground the country is losing money. It may be true that the mine-owners might profit as much or even more by delay in development until after the war, when supplies and labor may be cheaper, but that is not the case. The workman gets less for his labor and the manufacturer gets less for his goods. The country is not in the best interests of the country to get our gold into circulation as soon as possible."

ROCKWOOD OIL YIELD FOR SIX DAYS IN JUNE

Production of oil is well maintained at the field of the Rockwood Oil and Gas Company near Glencoe, Ont., as the following figures show: Barrels.

June 12 ..... 194 26-35  
June 13 ..... 194 26-35  
June 14 ..... 194 26-35  
June 15 ..... 194 26-35  
June 16 ..... 194 26-35  
June 17 ..... 194 26-35  
June 18 ..... 194 26-35  
June 19 ..... 194 26-35  
June 20 ..... 194 26-35  
June 21 ..... 194 26-35  
Total ..... 1191 6-35

NEW YORK CURB. Hamilton B. Wills received the following wire at the close of the New York Curb market yesterday: The general market was strong and active today. ASX advanced fractionally from yesterday's closing prices. United Motors was active and strong. Curtiss was firm, but quiet. Pierce Oil continued active and made a new high for the year. It was announced publicly that Frederick Lewis had become a director of the Pierce Oil Corporation.

JAPAN'S GOLD SPECIE. New York, June 26.—Consul-General George H. Seidmore, at Yokohama, reports: "The steady increase in Japan's gold specie continues. The latest returns issued by the finance department, according to Eastern Commerce for May, show that the gold held by the government had increased to 1,076,000,000 yen, of which 457,000,000 yen was held at home and 619,000,000 yen abroad. These figures compare with those for March 15, show an increase of 1,000,000 yen in the portion held at home and 11,000,000 yen in that held abroad." (The normal exchange value of the yen is \$4.98.)

OPPOSE SUSPENSION OF CLAIM-STAKING Measure Advocated by Many Leading Miners Viewed With Hostility. PROSPECTORS NEEDED

Future of Mining Industry Threatened, is the Assertion Made.

In some quarters, says The Mining Review, the suspension of further staking of mining claims is being advocated. The advocates of this drastic measure comprise not a few of the leading miners in the profession. Others of equal sincerity are strongly opposed to such a measure. The argument on both sides is voluminous and in each case the reasons brought out are not to be cast aside carelessly. The suspension of further staking, of course, would stop the desirability of further expansion of mining fields for the duration of the war. It would mean that assessment work would also cease.

The Mining Review has weighed the opinion of a number of the leading miners, as well as discussed the situation with a number of mine operators. In the light of information thus gathered the following constitutes an impartial interpretation of current thought in this district:

Prospectors, like all other Canadian citizens, are not shirking their duty to the country. No other profession has responded more nobly to the call to arms. Many of the men who blazed trails to the precious metal fields of this country at least, one to their final rest in defense of their homeland. Those who still remain on the trail, like the manhood of every other walk of life in this country, are doing their duty. The call for each class is made. As a result the army and navy are full of men who are physically fit for military service. Yet those remaining few compose a nucleus. To order no further staking at this time would be to deliberately pull the very root of the mining industry. Such is not the purpose of the government. It is to utterly disrupt any branch of industry that might be a source of weakness to the country. In the natural course of the application of the Military Service Act, the link and file of the nation will gradually be absorbed in the army. No matter how long the war should last, the army would always remain a nucleus. To order no further staking at this time would be to deliberately pull the very root of the mining industry. Such is not the purpose of the government. It is to utterly disrupt any branch of industry that might be a source of weakness to the country. In the natural course of the application of the Military Service Act, the link and file of the nation will gradually be absorbed in the army. No matter how long the war should last, the army would always remain a nucleus.

Thompson-Krist dominated the market as on the two preceding days, about 35,000 shares being taken up yesterday. The stock, which closed on Tuesday at 14 1/2, had a strong opening at 15 1/2, and moved up rapidly to 17 1/2, reacting to 16 1/2 at the close. The buying was again stated to come largely from the north, and the latest advices indicate that a promising ore body has been definitely located beyond the Vipond boundary line. An earlier report gave the impression that the vein swung back into Vipond territory at the boundary, but this statement is now said to have been misleading.

Davidson again showed the effect of strong buying support, advancing another point to 34 1/2 on purchases yesterday afternoon. The management of the Davidson state that the work of sinking the shaft to the 700-foot level to open up known ore bodies should be completed within three months. The mill is treating daily 40 tons of ore, and millhands are up to expectations. Dome was in demand at \$6.90, the highest level since last week's dip to \$6. Vipond was 1 1/2 higher at 14 1/2, reflecting confidence that the discovery reported on the adjoining property was improved. The Vipond's own outlook. Newray firmed up 1/2 to 20 1/2, and West Dome was strong at the close at 7 1/2 bid.

Timiskaming Strong. Timiskaming was the leading issue among the Cobalts, moving up 1/2 to 30 1/2, the highest figure in months on heavy dealings. The street believes there have been discoveries made at depth in the Timiskaming recently, and the official confirmation. It is estimated that the company's known assets, including ore reserves after allowing for cost of treatment, amount to about \$600,000, which would give an intrinsic value to the shares of about 25c. Beaver was strong at 28 1/2, but it is contended that the present level is much below what it should be in view of the expectation that the company's Kirkland Lake property will enter the producing ranks in November and that Beaver has lately run into some excellent ore.

Chambers-Ferland was firm at 12 1/2 bid. The outstanding stock of this company is very small, and it is predicted that within a short time an effort will be made by certain interests to get control so as to turn it in to the Aladdin-Cobalt. An active market in Aladdin-Cobalt is expected in the coming fall.

Vacuum Gas was up 1 1/2 to 10 1/2, some buying orders coming from New York. Financial arrangements are being made for the sinking of a shaft in the Trenton formation, which promises well.

STANDARD STOCK EXCHANGE.

Gold—

Davidson—

Dome Extension—

Dome Mines—

Elliott—

Hollinger Con.—

Inspiration—

Keeper—

Kirkland Lake—

Lake Shore—

McIntyre—

Moneta—

Newray Mines—

Peterborough—

Porcupine Crown—

Porcupine Imperial—

Porcupine Treadwell—

Prentiss—

Schumacher Gold M.—

Teck—

Thompson—

West Dome Con.—

Wasspika—

Adanac—

Beaver—

Buffalo—

Chambers—

Crown Reserve—

Foster—

Gould Con.—

Great Northern—

Hudson Bay—

Kerr Lake—

LaRoe—

McKinley—

Mining Corp.—

Nipissing—

Ophir—

Peterborough—

Porcupine—

Right-of-Way—

Shamrock—

Silver Leaf—

Timiskaming—

Treadwell—

Wasspika—

York, Ont.—

Yukon—

Gold—

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McIntyre—

Newray M.—

P. Vipond—

Teck—

T. Krist—

Wasspika—

Silver—

Cham. Per.—

Coniagas—

Hargreaves—

Mining Corp.—

Nipissing—

Provincial—

Timiskaming—

Treadwell—

Vacuum Gas—

Silver, 99 1/2.

Sales, 99 1/2.

ACTIVITY IN DISTRICT OF LIGHTNING RIVER

Gold Discovery Reported Made on Quebec Side of Border.

Cobalt, June 26.—Reports from the north point toward considerable activity in the district in the vicinity of Lightning River, and from there on to the Province of Quebec. It is reported that another discovery of gold has been made, this time in the Province of Quebec, just a little way east from the Ontario-Quebec boundary.

The strikes of the formations in the Lightning River and the Lightning River are, as generally, east-northeast and it is this fact which is attracting prospectors eastward into Quebec.

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## NORTH DAVIDSON IS IN GOOD PROSPECT CLASS

Adequate Exploration and Development Likely to Put in Sight Large Tonnage of Payable Ore—Extravagant Claims Have Drawn Criticism.

The North Davidson is one of those properties which are likely to enhance the reputation of Porcupine, providing it is properly managed. Lately the methods of the present management have come in for a great deal of criticism from certain sections of the press. Claimants have been extravagant and the little experience of the business in