

THE TORONTO WORLD

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DAVIDSON OFFICIAL REPORT FAVORABLE Government Geologist Made Significant Statement Re Property.

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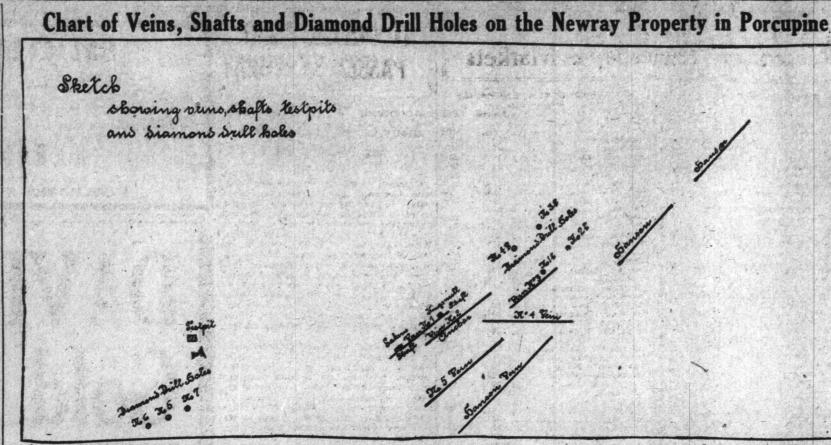
Development Proves Existence of Very Large Ore Bodies.

From The World Special Commis

South Porcupine, April 4 .- The of ficials of the Ontario Bureau of Mines are noted for their extreme conservatism. They never yield to even the mildest enthusiasm. They always adhere rigidly to cold neutrality. Even from their report on the Hollinger one could not possibly imagine that it was really an extraordinary mine. The reports, however, on this property and on the Dome are fuller than on most other properties, and from this circumstance alone the highly sophisticated reader might be able to infer that they are rather im-portant properties. We were there-fore very much surprised to find at page 53 of the last official report in dealing with the Davidson that "on the surface an ore shoot 50 feet in length with a value of \$15 per ton over a width of 12 feet was determined." This is certainly going strong for an official, and it speaks volumes for what was a mere prospect when ex-amined by Mr. Burrows, the author of the report, more than two years

Gold at Contact. The report adds that "the best values exist where inclusions of al-tered rock are found in the quartz, the gold usually occurring near the con-tacts of the two and associated with tacts of the two and associated with fron pyrites." And in reference to an ore shoot located on the 100-foot level which may be a continuation of that encountered on the surface, the re-port says that this shoot "was drifted on for 40 feet and over a width of five on for 40 feet and over a width of five feet six inches gave an assay value of \$21.60 per ton." That is indeed very favorable and very reliable testimony as to the great value of the Davidson, coming as it does from an entirely impartial source. In fact, from a man who is not only thoroly competent, but also unsympathetically scientific. We have carefully scanned the re-port es to all the other properties in

port as to all the other properties in Porcupine, but have not been able to find equal commendation in reference to any of them. And to get the real to any of them. And to get the real import of Mr. Burrows' words it must be remembered that very great and wory favorable changes have taken place in the Davidson since those re-marks were published. Development has been extended on the 100 and 200-feet levels and the ore shorts menfoot levels, and the ore shoots men-tioned in the report have been proved



The above sketch shows the position of veins, shafts, test pit and diamond drill holes on the property of the Newray mines in Porcupine. It will be noted that comparatively little of the Newray territory has as yet been prospected and that the great preponderance of the company's large

It will be hoted that comparatively little of the Newray territory has as yet been prospected and that the great prepondenance of the company of many of the estate of 321 acres remains unexplored, virgin ground. To the east of the main "Kingsmill" shaft some 3,500 feet of drilling b as been done in Nos. 1, 2, 3 and 4 diamond drill holes, and veins Nos. 2, 3, 4 5 and the Hanson lead have been indicated on the surface—all these on the eastern side of the properties. To the west around 2,000 feet of drilling has been done in drill holes Nos. 5, 6 and 7, and when No. 8 is started the management intends to put it down over 2,000 feet, having the accumulative data from the other drill holes to the west to ald it in its work. The cross cut is traveling in a southeast direction from the Kingsmill shaft and has reached a distance of about 350 feet, where the Anchor vein has here done in drill acress data done the indications that the value is much stranger then it appeared on the surface. The management now

been located and is now being drifted on, the indications being that the vein is much stronger than it appeared on the surface. The management now expects to drive the cross cut in vein matter almost continuously for the next 500 or 600 feet, and by drifting and stoping to line up a large tonnage of ore with which to feed the mill, which will go into commission around May 1st.

surface and assays as high as \$60 per ton have been obtained. It shows much visible gold and from a test pit 20 feet deep muck samples ran \$27 HARGRAVES REACHES PORCUPINE GOLD BELT MOST 20 feet deep muck samples ran \$27 per ton. The schistose walls of this great i vein are very well mineralized with fine sulphides of iron and carry \$3.50 or better per ton in gold. There are several features in connection with the Helena vein which lead to the conclusion that it will yet rival or even exceed the Hanson. It is now fairly certain that the Newray and Plenaurum will soon provide sensa-tions in this section of Porcupine. S. R. Clarke. **PRODUCTIVE AREA IN WORLD**

High-Grade Ore Now Being Shear Zone Runs From Hollinger to Newray and Con-Bagged at Mine Ready tains Multiplicity of Ore Bodies. for Shipment.

From World Special Commissioner. permanence of Porcupine that the Schumacher, April 4 .- When we find 1000-foot level will soon be supple-As a result of the high price of sil-ver metal, which has held above 70 a small section of Porcupine with an mented by another great artery communication 2000 feet below

As a result of the high price of sil-ver metal, which has held above 70 cents an ounce for the year to date, as compared with an average of 57 cents for the first three months of 1916 and 49 1-2 cents for the corres-ponding period two years ago, the maintain their out-producing mines of Cobalt are spar-ing no effort to maintain their out-put at the maximum. Another sign of the times is the fact that several companies, which last year were not in the producing list, are now showing substantial earnings. The Hargraves is perhaps the most notable instance of this latter de-velopment, as even six months ago there was no hint that the property would join the active list again. In work has been resumed, and at the preducting an aggressive underground campaign, is aggressive and the company, under new management, which is conducting an aggressive underground campaign, is aggressive and the many wing aggressive and the module aggressive and the company, under new management, which is conducting an aggressive and the many wing aggressive and the many wing aggressive and the second aggressive and the second aggressive and the many wing aggressive and the second aggressive aggressive aggressive and the second aggressive aggresside ag **IRREGULARITY IN** Some Weakness Developed in

The approach of the holiday appears to be already affecting business Boston Creek (gold) in the mines, which yesterday fell off



When one has accumulated \$1000, one has laid the foundation of a fortune! This is the testimony of such men as Mr. Carnegie and Mr. Rockefeller. Mr. Schwab, who was Mr. Carnegie's aptest pupil, has always said that the rich self-made man of the day began as a small investor.

The potentialities of \$1000 are great.

With \$1000, one cannot start a great many things and complete them, but one can at least start to do things which in the future will make a big return.

\$1000 is the nest-egg of fortune. It is the acorn from which the oak is developed. It is the tiny stream which begins its journey away up in the hills and in its descent through the valleys and meadows finally widens out into the broad river which bears commerce upon its bosom.

The person who has \$1000 available for outlay should begin to sit up and take notice, for he holds that which, rightly used, will bring him back that competence in after-life without which, the philosophers tell us, there can be no happiness.

The man or woman with \$1000 to invest has a chance to make money-to multiply dollars. Such a person should not be content to take his or her talent and wrap it up in a napkin and hide it away. It should be put to work in the most fruitful field to begin its work of creating a progeny of dollars.

I would not advise any able-bodied, sound-minded man to take his available \$1000 and deposit it in a bank-there to draw the small . nominal rate of interest which that institution pays.

To deposit money in a bank which is free for use in making more money is to take an inactive and ineffective position-is to refuse to embrace the opportunity which comes to one.

I would advise a person with \$1000 (and this applies as well to the one with a few hundreds or a hundred dollars) to invest this money in mining of the right kind. In mining of "the right kind" \$1000 has been known to grow into a large fortune. Anyone who wishes detailed information upon this statement can write to me personally and be accommodated.

Mining is a basic industry along with farming-a producing and productive industry—an industry with prospects and possibilities far beyond the ordinary.

With \$1000 one can buy (subject to the market) the following shares:

Boston & Montana (copper) Butte-Detroit (zinc and copper) Hargraves (silver) Newray (gold)

Shares Wednesday's close, 65 cents. . 100 Wednesday's close, 75 cents. . 100 Wednesday's close 181/4 cents 500 Wednesday's close, \$1.37 ... 400 Wednesday's close, \$1.08 ... 200

e very m than they were when it was written. On the 100-foot level the ore body is feet wide, running from \$5 to \$6 100 per ton, and one section of this, five feet wide, gives \$300 per ton. In fact, it is questionable whether there are in Porcupine any ore bodies greater in size than those now in sight on the Davidson.

World Progress.

Besides, since the report was issued the workings have been continued to a depth of 300 feet. Here what appears to be an entirely different, ore body has been located, averaging \$14 per ton over a width of 20 feet, and values up to \$50 continue for a width **GOOD PROGRESS** of five feet. The ore is heavily min-eralized , with fine sulphides of iron, and shows the inclusions of schist of which Mr Burrows speaks as pre-

vailing on the upper levels. According to Soret's principle gold

in solution will precipitate most readi-ly where first cooled, and therefore the chief function of the country rock when thus intermined with the to precipitate the metal quartz is to precipitate the me from the ascending hot solutions.

met in the crosscut, but on Tuesday a real good looking vein was cut at Active mining has been resumed on the Davidson within the past year, about 210 feet from the shaft. The vein is composed of calcite with showthe results so far could not be ings of ruby silver. It is about 12 more encouraging. The management inches wide, and the walls are well now feel fully justified in greatly ex-tending their operations with a view defined and runs north and south. This vein will be drifted on and good making the property a big producer results are anticipated. at an early date. As an auxiliary to

the ordinary development work it is now proposed to employ a diamond STILL ANOTHER drill and thus more speedily deter-mine the full dimensions and ramifications of the various ore bodies. They are no doubt much larger than

the present workings indicate S. R. Clarke.

ANCHOR VEIN CUT AT FOURTH LEVEL

Crosscut on Newray Encountered don, Montreal, New York, Ottawa and Toronto. Vein-Drifting Started.

Word was received from South Porcupine last night that the No. 2, or Anchor vein, had been picked up the cross-cut on the 400-foot level of the Newray at a distance of about \$40 feet in from the shaft.

Drifting was immediately started on the vein, and in the first round ive feet of cre was exposed. Assay returns have not been received up to the present time, but judging by the debts except current accounts. appearance of the ore, the values will be fully in keeping with those obtained during the diamond drill cam-paign last fall, when the Anchor lead

was located on this level.

It was stated that the appearance the ore body in the crosscut was highly favorable, and the mine management was confident that specta cular results would be realized as work continued.

DOME PRODUCTION.

The production of Dome Mines for the month of March will show a falling off, compared with the previous month, according to F. C. Sutherland's market letter this week. The produc-tion for March will be about 36,000

tons for a \$1-day month, compared with \$6,270 tons in February, which was a 28-day month. The grade of the ore treated will be about the same but costs will run close to three dol-lars per ton. This is due to reduced production, caused largely by ineffi-ciency of labor. Mr. C. D. Kalding, manager, has just returned to the camp and, it is reported, will spend months there in an effort to speed up operations.

aggressive underground campaign, is age has been explored. maintaining a considerable produc- A year ago there was no work pro-

tion of high-grade silver ore. ton of high-grade silver ore. ceeding on the Newray, and as yet There are now accumulated at the there is no mining on the Plenaurum. Hargraves property nearly 125 bags These properties are at the northeast of high-grade ore ready for shipment, end of the belt and not so convenient and as the number is being increased to the daily it is probable that a valuable mines. to the railway system as the older

PRODUCING STAGE

consignment will be sent out by the District Spread. ompany in the comparatively near Mining in a new and wooded region future. The production for March such as Porcupine was a few years was sufficient to pay all operating ago generally proceeds gradually outcosts and leave a surplus of over ward from a recognized centre, much \$5000 in the same way as settlement would

Silver Encountered.

MCKINLEY STATEMENT.

advance under similar conditions. The Newray and Plenaurum, however, have now been fairly introduced to MADE AT ADANAC

the mining domain. They are less than two miles from the railway sta-Twelve-Inch Vein Showing Ruby tion at Schumacher, and they have all other facilities for economical and

fficient development. The Porcupine Crown is at the Special to The Toronto World, Cobalt, April 4.—Work is progress-ing more than satisfactorily at the Adanac. Several stringers have been outhwestern end of this great shear one. The it owns forty acres, about ne-half is covered with sand, and to all appearance is not in the favored formation. The same remark may be applied to forty acres belonging to the Hollinger Cons. and lying between the Porcupine Crown on the east and the Moneta on the west. In fact, the Hol-

linger people do not as yet place any value on this part of their 440 acres. The McIntyre Cons. has altogether 465 acres, if we include the Plenaurum, but a considerable portion of this area is under the waters of Gillies' and Pearl Lakes. This company has also BRANCH ESTABLISHED a wide area of quartz-porphyry, most-ly, however, under Pearl Lake.

Rock Formation. Mark Harris and Company, the well known mining brokers, with head of-fice in this city, announce the open-

The porphyry is an acid intrusive generally of a light grey color. It is typical of the great ore zone, where it occurs in considerable volume. On ing of a branch in Ottawa at No. 47 Central Chambers, Elgin street, under he Plenaurum and Newray, however, the management of Mr. H. A. Plant The list of offices of the firm now in-cludes Boston, Buffalo, Detroit, Lonit has not been exposed by erosion, and few or no outcrops can be seen The last report of Ontario Bureau of Mines declares that important gold deposits have been found near the contacts of the porphyry and other rocks. The porphyry is considered to

have in some way influenced the de-position or location of the gold, but The financial statement sent out the McKinley-Darragh Company it is not likely that it has been the with the dividend cheques on April source of the gold-bearing solutions. shows that the company is in a sound position. Cash in the bank is given R. J. Ennis, manager of the McInat \$160,072, ore in transit and at smelter \$121,200, and ore at the mine transit and at tyre Cons., says that the principal ore bodies developed in the Porcupine disready for shipment \$84,456, making a total of \$865,728. There were no trict have been found in the periphery of the quartz-porphyry and in the adjacent rocks. The presence of portherefore, means the presence phyry,

The president of the McIntyre Cons Ninety Interned Steamers addressing the shareholders at the last

annual meeting, stated that "should Washington, April 4 -- Plans have the developments on the 1000-foot level been completed by the government to in American ports immediately a there that will handle 1000 tons a day, and to adequately increase the milling | 890 feet the cores brought up by the

from the little Weigand of 499 tons overlooked nor forgotten. They mean at Cebp to the great Vaterland of much to the great ore zone, for such overlooked nor forgotten. They mean a scheme of intensive development will establish its value and to a large

The remarkable success of the Mo Intyre at the 1000-foot level is well

nown, and a shaft is now going down to the same depth on the McIntyre-Jupiter. Furthermore, the intention is to tap the rich ore bodies on the Plenaurum at the same depth. A drift will start from the bottom of the Jupiter shaft and will be driven northeasterly to and across the Plenaurum

that the McIntyre owns and controls 5,500 feet of such contacts apart from the Plenaurum and he goes on to de-clare that the contacts under Pearl Lake will be reached from the Jupi-ter shaft

trading occurred in the Porcupine side of the board, and these issues seemed to absorb most of the attention of shows a touch of genius for great credit must accrue to Mr. En- traders.

MINING MARKET

Har-

McKinley

TO INCITE NEGROES.

Birmingham. Ala., April 4.--Re-

orts that German agents are work-

ng in southern states, particularly in

the tobacco and cotton belt, to incite

negroes against the United States

lovernment were confirmed here to-

officials announced that steps already

have been taken in this district to

GOOD READING FOR GERMANS.

DON THE LEVELLB

London, April 4 .- President Wilson's

MINING

WEEKLY

by local federal agents. These

Quiet Trading-A Few

Firm Spots.

great credit must accrue to Mr. En-nis and the late Col. Hay. This property has been proved valuable by recent work on both sides of it. Since the very favorable develop ments on the Newray several mining companies have sought to secure the Plenaurum. The McIntyre, however, could afford to out-bid all rivals for the property can be most effectively and cheaply opened up from the deep shaft on the Jupiter and manifestly it would algo be to the advantage of the Newray to obtain the use of the drifts already mentioned on both the

the Newray to obtain the use of the drifts already mentioned on both the 1,000 and 2,000 foot levels. At great depths in this camp mining becomes more certain and profitable and when the Newray gets down to 1,000 or 2,000 feet the openings on the Plen-aurum will be invaluable for auxiliary vertified on a wall as other murroses previous day, sold off a point, but recovered the loss and closed at 136 ventilation as well as other purposes. Two Contacts,

Jay

Two Contacts. The Plenaurum and the Newray ting of the Anchor vein at the 400foot level of this property. The dishave two contacts with porphyry. On the south side of Pearl Lake, the Schumacher holds 2,640 feet of these covery is regarded in certain quarters as of great importance. contact zones and therefore takes that much from the McIntyre, but in its northeastward swing the intrusive cuts fairly across the centre of the opening at 186 and selling up to 187. The close, however, was easier, with 185 bid for the stock. Plenaurum and Newray and thus gives to these properties lines of con-tact on both sides of the porphyry. It is now plain that the McIntyre has "arrived." It has excellent man-Other gold stocks which were practically unchanged were West Dome at 734. Schumacher at 59, and Porcupine

crown at 64. agement and some of the largest and richest ore shoots in the camp. Fur-There was little worthy of note in the silver stocks, a generally softer thermore it is steadily pursuing an aggressive policy. Its operations on the shear zone will therefore be tone being in evidence, with Adanac particularly prominent in this respect, making a new low in some time at 17, watched with great interest. The later comers, the Plenaurum and Newwith 10 the best bid at the close, seaver changed hands at 401/2, ray, were not so accessible or well known as the properties on the imwell Timiskaming was firm at 52. graves weakehed' to 18 on fairly acmediate lines of travel, therefore their tive trading, while Great Northern development has been slower, but the was down lower at 13. Plenaurum may be fairly judged by eemed in fair demand at 50. the success of its nearest neighbors

The Jupiter on the west is now prov ing a very valuable property. Its former managers do not appear to have mastered the science of ore de posits and consequently their efforts were not very successful. Such also was the early fate of the Newray. But a great change has taken place mining methods thruout th whole camp and particularly at the Newray, and its success is a fairly re-liable index as to the value of the

prevent effective results for arising Plenaurum adjoining it on the west. Some Good Veinsout of the activities. The Newray has in a comparatively short time uncovered several excep warrant, it is contemplated to sink tionally rich veins. The great Han take ove rapproximately ninety of the main working shaft to two thou-the German merchant ships interned sand feet, to install a hoisting plant the camp. It has also an average address to congress translated into German, is being distributed liberally width of 12 feet and at a depth over the German lines by British avia-

ors. It is understood the same th diamond drill gave \$23.29 in gold. Then their are five other important is being done by French aviators. veins in the same series, to say nothing of the less known western half of the property where the dia-. The Hortbern Miner. NORTHERN mond drill is now increasing footage at a rapid rate.

The cross-cut, beginning at the 400-foot level of the Kingsmill shaft, has now attained a length of 400 feet. At 320 feet, the Anchor or No. 2 vein came in. It follows a porphyry con-tact but the ore shoot has a pitch to the northeast and until there is a hundred feet or more of drifting thereon its value cannot be satisfactorily determined. Meantime the ern Miner, Cobalt, Ont. cross-cut is being rapidly carried towards veins No. 3 and 4, both of in a line with the great ore zone and which are unusually large and well the many vein-systems therein. And it is now as certain as the richness and 3 vein is fifteen feet wide on the

wn as No. year. Sample on request.

Here are five of the most active stocks on Toronto and

New York mining share markets. They represent the precious and the commercial metals. They represent a spread of interests reaching . from Porcupine to Montana. Every one of these companies is in an advanced and active state of development. Every one is well managed. Every one has a big future straight ahead of it. Every one is assured by every sign of which I can conceive of developing earning power and sharing large profits with stockholders. Each and every one of these issues occupies now a psychological position which makes mining shares most attractive for public absorption. This psychological stage is the one of development-when developments are lining up values-when the future property values are undiscounted. There is no spot in the entire market map where money can be made so rapidly as in buying stocks at undiscounted maximum value prices. This is like buying chickens in good sound eggs at egg prices and waiting for the chickens to hatch. Any sensible person will take the chance of a sound egg under proper handling breaking its shell and hatching out a chicken.

My house sticks to the policy that good mining shares are the best investment—as they are the best speculation—in the market world. Recognizing the RISK that always goes with REWARD, I Irregularity was shown in the world. Recognizing the RISK that always goes with REWARD, I course pursued by McIntyre, the stock advocate for safety's sake a distribution of commitments among mining shares. While I believe that Newray is a good purchase, that Boston Creek is a good purchase, that Hargraves is a good purchase, that Butte-Detroit is a good purchase, that Boston & Montana is a good purchase, I believe that the law of averages is such that an investment in each and all of these junior issues is preferable to an investment in one of them. I believe that all of them will continue to make good, but I believe that if only one of them makes good after the fashion of successful mining, its prosperity will be so great as to afford the holder such a market and income return that he could afford to write off all the rest to profit and loss.

> Good mining shares are the salt of the earth. They are the bone and sinew of our body of civilization. Their intrinsic values are beyond the ordinary chances of inflation and shrinkage which attack manufacturing and transportation securities—securities which do not rest upon the solid rock foundation of mining-of production. And when you take a broad selection of gold, silver, copper and zinc issues -gold with its unchanging value-copper and zinc with their highest permanent range of prices in history-silver with its high war levels and its still higher prospects of peace levels-you have an average, not an assay-a spread, not a single chance-a combination of fortune which, in my opinion, is unbeatable.

Mark Maries

Standard Bank Building, Toronto. NOTE-An article on mines and mining by Mr. Harris will appear every







