TO Their COST GRACIOUS DAJESTIES.

TREKING AND QUEEN.

MAY IT PLEASE YOUR MAJESTIES.

and Societies of the Online Church of the Edited Church of Church of Church in Isosian, Wassachusells, A Silin four Wassachusells, A Silin four Wassachusells, Dominion of Amada unite in offering to four Wassachusells abundle and heartfell addounce on the accasion of four Wassachusells, First died to the

(Cle rejoice had this (1) giesly under God's quidance orcubles the position of Sovereign of his Dominion and

that 'our CD alcohes are so cornectly continuing that inspiring example of self-sacrifice, wishem and naccasing solicitude for the religious, social and political pelfure of bur CO agesties subjects, which was continuously self by Exis CO greaty's ilustrious father, the late 15 ing

Ot rejoice . loo, find Lier Openty . the Queen with such

Your (1) aicely in the many and braing burdens implied in an Emperial Shrone.

Cinher Vour (O nicely's gracious soncreionly una subjects

civice in the sure and certain hope had the mighty force of the

degree a living and irresistable bower in the lives of

cath and all within and without he Brilish Commonweally

(Or bren fiel under the quidance of Dutine Line Vour

O acolies may be sustained and helbed, and that the ever

presence of God may bless and guide \"on CO sicolies :

and hose near and dear to \our OD presies to be are so

(1) and this term areal occasion of Vour (Operators Ars)

ment to this Dominion bring in Vant OD acrices much jour

and encouragement, and many memories of the love and

affection of your logal subjects and their depotion is the

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worthing playing their bart in the service of humandly.

Dominium of Clanada

George V of hessed memory:

of Dallons

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Bralorne

Coniagas

Coniaurum

Falconbridge

Gillies Lake

Hollinger

Hudson Bay

Kerr Addison

Lake Shore

Naybon

Nipissing

Teck Hughes

Waite Amulte

Joins Ontario Department

Toronto, May 18 .- A young geologist

of outstanding academic achievement

and wide experience in the field has

been appointed to the geological staff

Announcement of Dr. Satterly's ap-

On graduation from the University

awarded the Coleman gold medal in

geology. Two years after the same

university acknowledged his scholastic

attainment with the 1851 Overseas Ex-

His field experience has been broad

O'Brien

Kirkland Lake

Little Long Lac

McLeod Cockshutt

McKenzie Red Lake

Mining Corporation

Howey

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Position of Poland Explained in **Detail by Experts**

Itself from War.

By J. V. McAREE

pared than of wars in which only one Spain. was ready. For instance, in 1914 all the combatants were set to go, even if it was only two or three years later that the allied powers achieved their maximum strength. But in the case of Poland it does appear that the readmess of that nation to defend itself and its ability to do so may be her salvation. At any rate, she will not be In that case Germany knew that the friends of the little country were divided in opinion and distrustful of each other. Today Poland has powerful friends pledged to come to her aid when she calls. Poland has a populaarmy on a peacetime footing of 266,_ 000. It is by no means mechanized to the extent of the German army, but it has been trained to meet a sudden assault, and each year 300,000 recruits pass through a period of drilling by the professionals. In a crisis Poland could put in the field the sixth strongest army in Europe, its personnel rating it even more highly.

One Pistol Confiscated

strength. It is true that she has not a great air force in the matter of size, though her flying men are famous, nor 100 miles from Berlin. Germany maintained that Czecho-Slovakia, whose frontiers were equally close, was really a pistol pointed at her. So she not only took the pistol, but killed the na_ tion that was holding it. Now Germany sees that another pistol is pointed at her from the east. It is held in stronger hands and it will not be surrendered. One can imagine the situation if the British and French air forces, to say nothing of the Russian, could find in Poland the jumping off place for their operations against Germany. One can imagine the feelings in Berlin, just half an hour's flight away by a bomber. If the Polish army was not pushed back from the frontier, Berlin might be laid in ashes in the first fortnight of a war.

Great Aeroplane Base

Before the Polish pact the aerial advantages have been all with Germany also a Polish censorship in accord with graduate. as compared with Great Britain and France. It is true, of course, that it is practically the same distance from Standing alone, Poland could be crush-London to Berlin as it is from Berlin to London. But aeroplanes do not ne_ cessarily set off from one capital to another. The point of vital importance has been that, while Berlin is more than 500 miles from the English coast. London is only 350 miles from Try The Advance Want Advertisements

the German coast and Berlin is the same distance away from the French frontier, every mile being over German territory. The disadvantages of the democratic powers need not be laboured. Now the pact with Poland provides them, in the event of war, Readiness of Nation to De- with a flying field only half an hour's fend Itself Likely to Save join the democratic powers and pledge herself to defend Poland there would be available the output of her seventy aircraft factories, which is ten times While it seems to be principle upon as many as Germany acquired with which the democratic nations are Czecho-Slovakia. The quality of the working that preparedness for war is Russian machines is said to be good, the best insurance against it, it is easier for many of them are being manufacto think of past wars that have been tured under American licenses. Rusfought with all the combantant pre_ sian fliers distinguished themselves in

Three German Aims To push back the Polish frontier is probably the chief strategic ground for the German demands on her neighbour. This is one of three reasons with which Hitler is expected to seek to justify himself with the German peo_ ple, should his aggrandizement lead to war. The other reasons are to wipe approached as was Czecho-Slovakia. out the supposed reproach of the Polish Corridor and to liberate the German minority in Poland. As regards the Germans in Poland, they number about a million and are scattered all over the country. W. J. Rose, also in the Spectator, says that most of these Germans tion of some 25,000,000 and an actual have no real grievance, for they have been assimilated. But they are being made over again into Germans. "Unheard-of men and women who have played only a passive part in life," he writes, "are now promised a chance to achieve a career and to shine in leadership. Their native ego is flattered and they can easily become agents of unrest; like the minute germs of yeast in a mass of dough, they may hope to bring the whole into fer-In the opinion of J. M. Spaight, who ment." But these Germans can be writes in the Spectator, what Germany | counted upon play the same role as the fears most from Poland is her air Sudetans, if the Poles will permit them, but with the important difference that they are scattered throughout Poland and not concentrated in frontier areas. a large productive capacity. The vital Their pitiful wails are expected to point is that the Polish frontier is only wring the hearts of the Germans in the Reich.

Poland Flatly Refuses.

The poles finds the German demands wholly unacceptable. To con sent to the alleged liberation of the German minority, whch is about 3 per cent of the total population and a smaller percentage than in Canada would involve the subjugation of twenty Poles for every German set free. To grant the Corridor demands would mean the severing of Poland's "jugular vein" while to consent to the pushing back of the frontier in order to make Berlin safer would mean to surrender the "cradle of the race" and almost certainly the major part of her Czechs, the Poles are a homogeneous their dictatorship, and they have their great antional traditions and heroes. ed by Germany, but apart from removing the danger to Berlin it is doubtful if the cost would be worth the

DRESSED



Monrovia, Ind .- A very strange "con- | Base Metals traption" on the banks of Sycamore Beattle Creek in Morgan county, Ind., may pay! out the jack pot to a group of Indian-

It is a newly developed sluice that engineers say will profitably wash gold from the glacial subsoil. The Morgan county subsoil is known to contain gold in small quantities, and the engineers believe that their machine will wash

The sluice was developed by King C.

They have experimented for nore than a year in the Morgan county hills, and believe that every 3,000 pounds f subsoil contains about 40 cents in gold. Capacity Great

International Nickel Their concern has leased approximately 3,000 acres in the country and intend to exploit the subsoil. They refuse to sell stock in the project, and Bard says that if additional money is needed, the men who provided the experimental capital will provide the bal-

McIntyre Their experiments show that the sluice will easily wash 1,500 yards, or McWatters 4.500,000 pounds of subsoil daily. They calculate that the gold retrieved would be worth \$600. They believe that the sluice can be speeded up to handle 3,000 yards daily and thus increase the

Bard's and Learning's calculations do not include the possibility of finding Pickle Crow nuggets or diamonds, also known to be in the glacial subsoil.

Premier In operation of the sluice the top soil is removed and the subsoil carried to Sherritt Gordon the sluice in trucks. It is moved to the Sullivan Consolidated top of a tower by a continuous belt Sudbury Bashi and washed through screen by water Sylvanite piped from the rock bed of Sycamore

Travels Fast

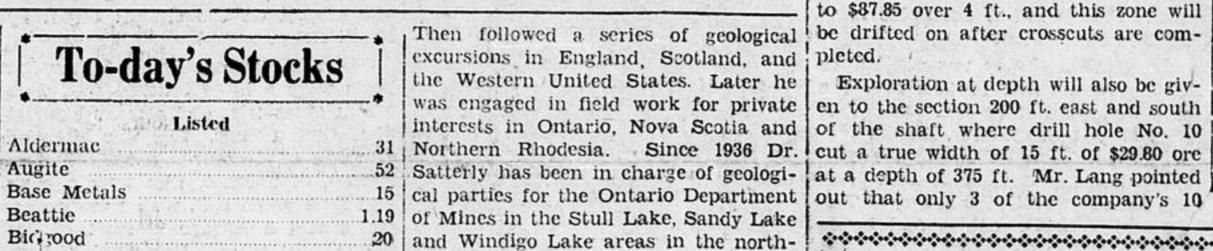
Rocks are thrown to one side and Wright Hargreaves black sand, gold, mud and quicksand washed over a 100-foot specially design-**Outstanding Geologist** ed sluice. The water carries the mud at a 25-nile-an-hour speed.

The gold particles, black sand containing gold ore, precious stones and small pebbles drop to a grid and are forced into traps at one side of the sluice. The trap contents are then placed in a barrel containing mercury. of the Ontario Department of Mines in Gold is absorbed by the mercury, and the person of Dr. Jack Satterly.

the amalgam taken to an Indianapolis refinery. There the mercury is evap- pointment was made to-day at the Parorated and the go'd remains. The mer- | liament Buildings by Hon Paul Leduc, cury is taken back to the sluice to be Minister of Mines used again.

Bard says that operations, if they of Toronto in 1927 Dr. Satterly was prove successful, will be continued in Morgan county for five or six years and then the sluice will be moved to other glacial deposits.

hibition Scholarship which entitled him Startford Beacon-Herald: Italy, ac- to special training at the University of cording to Mussolini, is going ahead with its plans for a world's fair in 1942. quirements for his doctorate in 1931. There may be plenty of modern ruins to exhibit along with the ancient kind, and varied. Beginning in 1926, he servunless the Fascist leader sidetracks war ed for several field seasons as assistant in the meantime.



1.37

40.50

2.75

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4.90 54.00

1.24

2.30

3.20

42B

4.85

2.45

1.93

3.25

western part of the province. For several years prior to joining the 351/2 staff of the Department of Mines Dr. 12.50 | Satterly served as lecturer in the Department of Geology at the University 2.34 of Toronto, and as assistant director of the Royal Ontario Museum of

> Prints of Local Photos appearing in The Porcupine Advance are available at small cost.

Progress of Work at Broulan Mine Reviewed

President Outlines Pro gramme Being Carried Through.

Broulan Porcupine Mines, Ltd., will have completed crosscutting to the ore zone on the first three levels within two weeks, and will then commence drifting east and west along the zone as the initial step in a programme designed to fully outline the orebody to a depth of 523 ft., Bert W. Lang, president, toit shareholders at the company's annual meeting this week. After expending \$62,953 in the first four months of 1939 the company at April 30, 1939, had current assets totalling \$125,559, the major part of which will be available for development expense, Mr. Lang stated. Approximately \$52,000 of the 1939 expenditures were spent on mining, the remainder going towards capital expense, but no further large capital expenditures need to be made this year. Twenty-three diamond drill holes put down in the Broulan ore zone south of

the Pamour boundary outlined a body estimated to contain about 600,000 tons of ore to a depth of 450 ft. averaging \$8.25 a ton uncut value, and \$7 a ton after visible gold had been taken out. Crosscutting to date on the three upper levels has shown conditions that compared favourably with surface results, I might be done later. tions appear similar to those found in proxy. the contact zone on the Pamour and Hallnor properties, and ore is very much like that of the Hallnor southeast orebody. Visible gold is frequent and chip and car sampling have given somewhat differing results, for that reason. On the 2nd level north crosscut, 24 ft. of ore ran \$7.86 in car sampling and \$5.10 in chip sampling, while in the 1st level north crosscut, a total of 76.8 ft. ran \$3.58 in car sampling and \$4.69 in chip sampling. Crosscutting to the north on the 3rd level has not yet reached the ore zone but has exposed quartz stringers in the last round and is very close to the indicated extension of the zone.

To the south of the shaft a crosscut in the 1st level interseceted a parallel ore zone, which gave car samples of \$1.92 a ton over 4 ft. while channel samples on the east and west walls of the crosscut gave values of \$7.35 over 3.4 ft. and \$7.79 over 4 ft. respectively. Chip samples on the west wall here gave much higher values, running up to \$87.85 over 4 ft., and this zone will be drifted on after crosscuts are completed.

Exploration at depth will also be given to the section 200 ft. east and south out that only 3 of the company's 10

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claims have received any attention as yet and surface work on these others

Mr. Lang stated, but thorough sampl- | Directors were re-elected and reports ing will be required to determine the approved by the meeting at which grade of the ore. Geology and condi- 1,120,577 shares were represented by



Ardena Cleansing Cream - light. soothing; \$1.10 to \$6 . Fluffy Cleans. ing Cream-like whipped cream; \$1.10 to \$6 . Ardena Skin Tonic cool, stimulating; \$1.10 to \$15 . Ardena Velva Cream-for average skins; \$1.10 to \$6 . Orange Skin Cream-for dry or wrinkled skins; \$1.10 to \$8.

J. Bert Sutherland

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*********************** THE VISIT OF THEIR MAJESTIES THE KING AND QUEEN

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Cambridge where he completed the rewith the Geological Survey of Canada.