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CONDITIONS.

1. Essays to be handed in before May 20, unless the time is extended by our announcement.

2. Each essay accompanied with a statement of full Name, Age and address of pupil. The name of his or her teacher and an affirmation that the work was done by pupil alone.

3. Each essay to be accompanied by one new subscription to the Dispatch.

The essay that wins the first prize will be printed in "The Dispatch."

THE DISPATCH.

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The Solar System.

The Moon

The moon is too far off for us to see the actual detail on her surface without artificial aid. When viewed with the naked eye she merely displays a patchy appearance and the imaginary forms which her darker markings suggest to the fancy are the "Man in the Moon" of popular expression.

One looking at the moon through a telescope or even an ordinary opera glass sees in place of any features of a map, a silvery globe marked, here and there with extensive dark areas and pitted all over with crater like formations.

The dark areas were at one time supposed to be seas but improved telescopes have shown that the supposed seas are areas of darker material. There is no water on the moon.

The crater-like formations spoken of are the lunar mountains that form rings some of which are more than a hundred miles across with a central plain or floor on the inside. There are also mountain ranges similar to those of the earth as the Lunar Alps and Lunar Apennines. The mountains of the moon are very high in proportion to the height of terrestrial mountains which is principally owing to the difference in gravity which is only one sixth that of the earth.

(To be continued).

Volcanoes

GRANDALL VOLCANO.—This name is given to a dissected ancient volcano in the Yellowstone National Park, which once, it is estimated, reared its head, thousands of feet above the surrounding country and greatly exceeded in bulk either Mount Shasta or Mount Etna. Not a line of the original mountain remains; all has been swept away by erosion except some four thousand feet

of the base of the pile. This basal wreck now appears as a rugged region about thirty miles in diameter, trench ed by deep valleys and cut into sharp peaks and precipitous ridges. In the centre of the area is found the nucleus—a mass of coarsely crystalline rock that congealed deep in the old volcanic pipe. From it there radiate in all directions like the spokes of a wheel, long dikes whose rock grows rapidly finer of grain as it leaves the vicinity of the once heated core. The remainder of the base of the ancient mountain is made of rudely bedded tuffs with occasional flows of lava, some of the fragments measuring as much as twenty feet in diameter. At different levels in the midst of these beds of tuff and lava are many old forest grounds. The stumps and trunks of the trees, now turned to stone, still, in many cases stand upright where once they grew on the slopes of the mountain as it was building. The great size and age of some of these trees indicate the lapse of time between the eruption whose lavas or tuffs weathered to the soil on which they grew and the subsequent eruption which buried them beneath showers of stone and ashes.

Near the edge of the area lies Death Gulch, in which carbon dioxide is given off in such quantities that in quiet weather it accumulates in a heavy layer along the ground and suffocates the animals which may enter it.

The Minerals of New Brunswick

Copper

Copper is found in widely separated districts of the province. Native copper has been found in small quantities on the Island of Grand Manan but the most frequent form met is the sulphide of copper that belongs chiefly to the rocks of the Huronian costal group along the shore of the Bay of Fundy.

Copper Pyrites has been found on the eastern side of Le Tete inlet near St. George, an unsuccessful attempt was made at mining in that region; likewise the efforts in St. John and Albert counties have met failure owing to the difficult location, the veins of ore being in the abrupt cliffs facing the bay. The same class of Pyrites is found at Bulls Creek, three miles from Woodstock.

The ore is found imbedded in coarse syenite. This is the location of the famous Cobbler-Sexton mine and many are interested in future development here. Also copper mining on a small scale is carried on near Dorchester.

Large deposits of copper are found at the Falls of Tete a Gauche near Bathurst. Considerable mining was done there fifty years ago, the ore was shipped to England. Successful mining of all these separate deposits seems improbable but the time may come, and before so very long when some large company can take over all the separate industries and make a refining process pay. There is a bright future for the mining industry of New Brunswick, with the prospect of shipbuilding at our seaports it would seem, that at no distant date, a demand will be made for the metals that now lie a latent asset in the bosom of mother earth.

FOR SALE

FOR SALE.—6 octave piano case organ, suitable for house or church
Apply to
Miss E. Henderson
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A cable received from London announces that Lieut. G. Alvah Good, son of Major F. A. Good, Fredericton has been gazetted flying officer, Lieut. Good went over to England with the 4th Battalion.

Important Announcement

\$10. VALUE FOR \$1.00

We have set apart this page of OUR PAPER for a SCHOOL and FARM Section. It will contain SPECIAL INFORMATION along the line of work prescribed for the public school as well as the general principles of agriculture as outlined by the specialists at work on its different branches.

A column will be devoted to questions and answers on points that may arise in school work.

CONTESTS in ordinary school work with SPECIAL PRIZES will be arranged for later. We will make a SPECIAL OFFER to any school applying with a club order of six pupils or upwards.

Here is an OPPORTUNITY to secure the ADVANTAGE of a local paper, and a store of useful information beside.

NEW SUBSCRIBERS and ALL making inquiries respecting this section.

ADDRESS— THE DISPATCH

Box 296

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Mar. 21—4i

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Notice to Delinquents

Feb. 16th 1917

All persons who are in arrears for Taxes, Water and Sewer rates in the Parish of Woodstock are requested to make payment within ten days from above date and avoid executions being issued.

H. D. STEVENS
Town Treasurer

House For Sale

Large House 16 rooms with woodshed and barn situated on Broadway near Valley Railway Station. Land freehold, one and one half extra lots adjacent suitable for gardening.

ROBERT L. SIMMS
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For application forms apply to the Deputy Minister of Finance, Ottawa.

DEPARTMENT OF FINANCE, OTTAWA.

OCTOBER 7th, 1916.

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