

THE DISPATCH.

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To The Teachers An Scholars,

Our articles on Volcanoes and The Minerals of New Brunswick will be continued next week. We would call your attention to the first of a series on School Psychology contributed by one of our University graduates who has taken special work in this subject. Also we are pleased to announce that next week's issue will contain a list of prizes and conditions for an essay written on "The Winter Birds of New Brunswick."

School Psychology GENERAL SURVEY

In the few short articles that will appear under the heading SCHOOL PSYCHOLOGY, no attempt will be made at a scholarly presentation of the theoretical phase of the subject. On its purely formal and theoretical side the study of psychology is very deep-since the growth and workings of the human mind are very complex; and as very doubtful results are gained by the ordinary person from a close study of our mental processes, we may safely leave such discussions for learned and interested college professors.

Yet perhaps all of us very imperfectly grasp the truth expressed by the great Wesley, when he said, "The mind's the measure of the man." Of all the many types of animals on the earth today, man alone is capable of progress; man alone is capable of looking on himself as a part of society, of looking beyond his everyday needs, and, in short, of realizing the truth of his existence. Since this progress, which is typical of civilized races, is due to the fact that man alone of all animals is capable of connected thought, it is hoped that some few articles on the various mental states will not be unwelcome. From such a standpoint, however, only such subjects will be treated as apply particularly to the public schools, such as habit, instinct, attention, and the transfer of training.

Man is a thinking being, and as such possesses a highly developed consciousness. It is just here that we find the superiority of the human over the brute but when we attempt to explain what consciousness really is we find ourselves at a standstill. We say we are conscious, yet we have no direct control over our conscious processes. In the physical world of matter all events may be explained by causes, nothing whatever happens which does not have some efficient material cause. But in the world of consciousness the exact opposite is true. Here no happening can be explained by causes; and if we seek for an explanation of the appearance of the various mental states, we must discover the aim or purpose toward which those processes of the mind are moving.

It must not be supposed from the above, however, that the writer means to imply that no brutes possess a consciousness on the contrary the higher forms—the dog in particular—probably have quite highly developed minds. But the brute lives in a very narrow world; he thinks (if at all) only of to-day; his consciousness is concerned merely with the satisfying of immediate needs.

With man the case is very different. He is conscious of his mastery over other animal forms, and is proud of that mastery. Owing to his more highly developed organism his needs are greater thus requiring more mental effort in the struggle for life. Moreover, he is influenced by imitation, ambition, competition, factors which enter into the life of lower animal forms to but a very slight extent. But there is one characteristic that is entirely peculiar to man, viz. his curiosity. Curiosity has led human beings to experiment and investigate; it keeps the human family ever

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in search of the new, and thus always on the road to progress. -CONTRIBUTED.

The Solar System.

JUPITER

We noticed that the planets of the solar system have been divided into two classes inferior and superior. There is also another classification whereby those nearest the earth in size are called the terrestrial planets, and the larger members the major planets.

Jupiter is next to Mars in the order of the superior planets but the intervening space between their orbits is much greater in proportion than between any other two planets. In this space the Asteroids are found which will be more fully explained later.

It is the largest of the major planets having a diameter of eighty seven thousand three hundred miles and moves at a mean distance of four hundred eighty-three thousand three hundred miles from the sun.

This planet is comparatively light in structure having a density about one and one half times that of water, but on account of its great bulk the gravity at the surface is more than twice that of the earth.

It is thought that the interior of Jupiter is intensely hot and since the spectroscope reveals a dense atmosphere it is also believed that we do not see the surface of the planet but what we call the surface is a voluminous mass of clouds

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and vapors driven outward from the heated interior. If such be true no life exists on the planet.

It takes Jupiter eleven years three hundred and thirteen days to complete the journey around the sun. And it has been shown that it revolves about its axis in less than ten hours.

Eight satellites attend Jupiter the last of these was discovered less than a score of years ago. Four of them were known to Galileo and are referred to as Galileo's moons. None of the satellites have the proportion of size as our moon to the earth. The diameter of Europa and Io are about the same as our moon, while Callisto and Ganymede are more than half as large again. The other four satellites are insignificant in size. The satellites revolve about the planet during different periods. The four largest ones in two, three and one half, seven, sixteen and a half days respectively.

When a satellite comes directly between its planet and the earth we have an eclipse of a planet by its satellite which shows as a dark spot upon the planet's surface. Of course this phenomenon is not visible to the naked eye, for the moons themselves can't be seen only by telescope. And when we consider the size of the body of the planet and the distance from the sun the eight satellites for Jupiter do not relatively yield as much light as one moon gives the earth.

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.

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Guess at The Kaiser's Terms

London, Jan. 27.—"Wayfarer" (the pen name used by W. S. Massingham) writing in the Nation, says: "Is Germany prepared to negotiate on the basis of restitution and reparation? Rumor has it she will and that the President has a sketch of her terms in his pocket. I give this sketch for what it is worth. The informal German offer is said to include: 1. Offer of Metz and part of Lo raine to France, coupled with evacuation,

- but no indemnity. 2. Evacuation and indemnity for Belgium. 3. An independent Poland. 4. Surrender of the bulk of the colonies in exchange for a deal in Central Africa. 5. Restitution of Serbia, with retention of a line of passage for the railway. 6. Neutralization of the Straits (Dar danelles.) 7. Trentino for Italy, with Trieste as a free port.

Necessarily the governing coalition would be an economic as well as territorial peace and the abandonment of the boycott.

London, Jan. 27. A private telegram from Cologne, quoted by the Rotterdam correspondent of the Daily News, reports that since yesterday morning navigation on the Rhine has had to be stopped on account of ice. The stoppage throughout Western Germany is the most intense known in several years. At some points the thermometer fell from 12 to 18 below zero.

Correspondents in the French press in France say the weather is the most biting since the war began. The use of automobiles is rendered almost impossible, owing to the freezing of roads and carburizers. Many are stranded and are going lonely to the front, especially those who are on the sentry posts, and all are severely, but the general health of the army is amazingly good.

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Notice is hereby given that all persons owing Water Rates to settle the same on or before the 18th day of November next the Water will be turned off. Per Order Chairman Water Committee W. Bourne, A. G. Fields, Collector. Supt. Woodstock, N. B., Oct. 28, 1916.

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DEPARTMENT OF FINANCE, OTTAWA, OCTOBER 7th, 1916.