often said that what they are

s in that upper larvev creeksgood time and waterwheel, ir . Andy Birrell

veek or two ago ict, bearing the of new picks may soon be to make a good

it present runlying visit, havortly bringing ore the winter's likely to locate ra little above

a new butcher all looking this

in furs in conrten and beaver plentiful now or many vears o been taken in nelle lake 150-Mile House

the extensive ng and Mining s general superesnelle river. his well-earned ain road and at here he is very

edical officer at ect of an in-Commissioner ecessity for librowing require-

the mails so far re great comil contract calle made to let us

DOMINION.

he body of an bushes near revealed that strangled or tario detective The Crown murder was has it that a position in the

. H. Livingston ttawa where he on government ving Red river lock at St. An am practically on. Minn., to ling greatly to he government work as a will give subivate company the enterprise organized from

The Press dinwas a splended nembers of the esided. Among Davidson and Mr. White made

elerv

nes vou have Paine's Celer ith many dis f medicines in se Paine's Cel-red a complete

nd is worth its eople; I would all weak and

aware of how little we really know and how much we have to learn. And when we analyse this trade in knowledge, in what does it consist? In the cultiva-Yes, but what is mind?

our former deductions were correct some | Cenozoic period. of our premises were wrong.

gradually being lifted up to a higher millions of years, but it affords a basis from this simple organism, and scient the present day. evel of reasoning power, and we are at to reason upon. ast permitted to grasp the wonderful hypothesis of evolution

describe it.

ethereal dusk and that they may have day. We also find that insects now apcome to us encased in meteorites. The pear upon land, mostly in the form of world of two million years ago.

We have heard that question answered to the effect—"What is mind no matter, what is matter never mind," but we will endeavor to refresh our memory on this occasion, and inasmuch as it is your principal duty to fashion immature minds into higher forms, it may be promised in the effect. What is mind no matter, what is matter never mind," but higher order; on the contrary, there appears to have been a radiation of evolutions of two of its forms the well known Nauthele higher order; on the contrary, there appears to have been a radiation of evolutions of two of its forms to thought the process is gone through over among us, such as the well known Nauthele higher order; on the contrary, there appears to have been a radiation of evolutions of two of its forms to thought the process is gone through over among us, such as the well known Nauthele higher order; on the contrary, there appears to have been a radiation of evolutions of two of its forms to the present age, which still possessed seventy millions of years ago.

Now there are one or two most interesting points in the horse's legs of the present age, which still show the remnants of two of its forms to the present age, which still show the remnants of two of its forms to the present age, which still show the remnants of two of its forms to the present age, which still show the remnants of two of its forms to the present age, which still show the remnants of two of its forms to the present age, which still show the remnants of two of its forms to the present age, which still again.

I know that there is a certain school of the order to the present age, which still show the remnants of two of its forms to the present age, which still again.

I know that the remains

to pause and to bow in reverence to the superior wisdom of the Allwise Creator. We have, however, learned this much by the way, namely, that the limitation of our reasoning power is being expanded upon a scientific formula, and that in periods of time the boundaries of our knowledge are being enlarged.

Briefly then we learn that the physical the effort to increase and multiply, and that the physical our purpose goes we may say that life development or pressure of invagination, and the opening of scale over an estimated period of apperiods of time the boundaries of our knowledge are being enlarged.

Both in the infinitely great and the infinitely great and the infinitesimally small we are now able to see partially where before we were seed and multiply, and the skin was thus brought into constant the saw that the physical the effort to increase and multiply, and that the physical at the effort to increase and multiply, and that the physical the effort to increase and multiply, and the skin was thus brought into consumer that the physical at the effort to increase and multiply, and the skin was thus brought the effort to increase and multiply, and the effort of defence and offence or war, and out of these three motives there was inaugurated the gurvial proximately one hundred millions of infinitesimally small we are now able to see partially where before we were blind. The microscope has enabled us to assert that there are living organisms to assert that there are living organisms of years ago to assert that there are living organisms to the two is the mesoblast. This point in this wonderful process, and that in psychical as in physical is that if we select any particular organism which came into being is that if we select any particular organism to the two is the mesoblast. This point in this wonderful process, and that in psychical as in physical is at any time during all these millions of years ago that there has been evoluted a human being possessing a creative power which is able to produce a moving thing of the evolution of that organism up to that there has been evoluted a human being possessing a creative power which is able to produce a moving thing of the evolution of the evolution

he boundary.

Hardly a decade passes without some which has been divided into seventy- blast, while in the interior of the sack, new revelation from science founded two millions of years for the Palæozoic, which tells us that although many of zoic, and six millions of years for the stomach and organs of sustenance—in

For example, the atomic theory of computed by measuring the thickness of Democritus has after a lapse of two thousthe different strata and then calculating which came into being about seventy back and back until it touches the genefluenced by environment, and I particuand years been corrected, and I might the length of time necessary for their almost say perfected, by Clerk Maxwell deposition. Of course the computation and we can therefore boast of a very we can graduate the scale of psychical on this important point, because it is and others. In point of fact we are can only be approximate even to some long pedigree. All animals have sprung

As we ascend into the formation above | wonderful process.

this occasion, as in duty bound, in my capacity of Minister of Education.

these again were followed by mollusks capacity of Minister of Education.

these again were followed by mollusks which were the progenitors of our capacity of Minister of Education.

The means wen, but no is easily times to elongate and the other toos to grub has a real good time. It first devours the contents of the egg, which lasts vironment is stronger than his extrawhich analogous to that of a farmer who is about to cultivate a well prepared field, which from its fertility and adaptability will respond—I hope kindly—to any labor which may be bestowed upon it. I feel that I am addressing those who trade in knowledge, and we therefore all of us sufficiently are therefore all of us sufficiently are therefore all of us sufficiently and at a sufficient and a su beetled on and issues of evolution, the changes from a lower to a higher order of being disappearing upon the advent of higher orders on the contrary there are lower to a higher order on the contrary there are lower to a higher order on the contrary there are lower to a higher order on the contrary there are lower to a higher order on the contrary there are lower to a higher order on the contrary there are lower to a higher order on the contrary there are lower to a higher order on the contrary there are lower to a higher order on the contrary there are lower to a higher order on the contrary there are lower to a higher order on the contrary there are lower to a higher order on the contrary there are lower to a higher order on the contrary there are lower to a higher order on the contrary there are lower to a higher order on the contrary there are lower to a higher order of being did not occur in a regular sequence by the lower disappearing upon the advent of the middle Pliocene we find the Pliohigher order of being did not occur in a regular sequence by the lower disappearing upon the advent of the middle Pliocene we find the Pliohigher or which the two side toes its beetledom, and if it is a female beetle, it returns either to the same tunnel or some other tunnel of the anthophora bees, lays its eggs there, and the whole process is gone through over

that is inside the body, similar protofact every part of the body is made up

tists can distinctly trace many stages of the Upper Silurian, namely, the De-dreat strides have been made in our the Upper Silurian, namely, the De-dreat strides have been made in our knowledge of evolution during the last thesis, what a marvellous revelation is great abundance of fishes—it was alto- fifty years in consequence of extended laid out before us! We are first confronted with the advent of life upon this these fishes assumed a higher order of parts of the world, which have brought suggested by the distinguished scientist a dogfish to become aware of how large the Cenozoic and other periods. By Helmholtz, and it may interest you if I a field there is for the development of comparative anatomy scientists are enescribe it.

It is known that through the azure upon the land at this period, except animals from a lower to a higher order teresting illustration of the powers of

worlds roaming through space in this as our alligators have to do in the present by the hands of man in order that they

us a child is born—"We have seen His you will remember has lasted for seventy- the world, especially in Colorado and ship Him."

Be that as it may, we are able to fix the commencement of life upon earth in the early geological period to which the atmosphere was far warmer than it is at present and more highly charged with carbonic acid gas—indeed, at this period the temperature at the poles was inhabiting the land in period the temperature at the poles was inhabiting the land in land so the Mesozoic period, which has been divided into the Triassic, the Juras-to the endivided into the Triassic, the Juras-to the endivided into the Triassic, the Juras-to the evolution of our common friend the horse, and all the stages of development are so clear and so remarkable the truth of the evolution of our common friend the horse, and all the stages of development are so clear and so remarkable the male and so remarkable the truth of the evolution of our common friend the horse, and all the stages of development are so clear and so remarkable the male and so remarkable the truth of the evolution of our common friend the horse, and all the stages of development are so clear and so remarkable the truth of the evolution of our common friend the horse, and all the stages of development are so clear and so remarkable the returned to the evolution of our common friend the horse, and all the stages of development are so clear and so remarkable the returned to the evolution of the evolution of the evolution of the evolution of the tunnel her curiosity was still further excited, so she went inside the truth of the evolution of the tunnel her curiosity was still further excited, so she went inside the truth of the evolution of the tunnel her curiosity was still further excited, so she went inside the truth of the evolution of the truth of the evolution o

is the peculiar attribute of man, and some other world. that animals are only guided by instinct, upon the experience of the past, and eighteen millions of years for the Mezo- plasmic cells have been building up the but when we attempt to define the tion and deduction from objects and cir-It is a long, long time, and it has been of groups of protoplasmic cells. So then guishable, and if we try to fix the zero that all organisms have been, are, and

wonderful process.

Great strides have been made in our knowledge of evolution during the last forming a home as a refuge for rest and In the earliest stages of evolution, I the made in our them a creative power for the purpose of the young.

In the earliest stages of evolution, I the stage of the young. required a considerable amount of in the life of insects we have a most in-

that there are germs of life, from other come up to the surface to breathe, just the storm, to be afterwards resurrected to come into full activity the following solve all the forces acting upon any orspring. Now, once upon a time there ganism into two, namely, the esoteris was a lady sytaris beetle of a domestic extramissive force of the organism itspring. Now, once upon a time there ganism into two, namely, the esoteris was a lady sytaris beetle of a domestic turn of mind, who was roaming about self and the exoteric intromittent force mail in a sealed letter, particulars of a idea certainly harmonises with the beautiful legend that when a star falls unto

This closesthe Paleozoic period, which

It is by means of such discoveries, not only at Pikermi but in other parts of her future family, when she happened these two forces represents the measure the country in search of a nice home for her future family, when she happened upon one of these tunnels of the Anthoapon one of these tunnels of the Antho- of the power possessed by the organism star in the East and have come to worship Him."

two millions of years. We now enter the South of France, that we have been phora bees, and being of the feminine for ascension or for descension in the enabled to trace the interesting history gender she was naturally of an inquisi-scale of evolution.

Teachers' Association at their recent meeting in Vancouver:

Colonel Baker spoke as follows: It is now two years since I had the pleasure of attending the annual meeting of Mainland Teachers' Institute, and I can assure you that I feel much gratified at finding myself again addressing you on this occasion, as in duty bound, in my the present day—so that you see we are gradually getting up in the scale of life. This closes the Mesozoic period, which you will remember took eighteen down into the well and then climbed on the top of the egg floating on the honey. This is which after great periods of time are and Quarternary formations. This is the age of mammals, large and small, these again were followed by mollusks are left of the middle toe is still elongating and the other toes are shrinking, thus show grub crawled along the tunnel, looked of the other toes are shrinking, thus show grub can and the trensition stage is in propogation of organisms may become initiate the other toes are shrinking, thus show grub crawled along the tunnel, looked of the other toes are shrinking, thus show agertore divided into the well and then climbed on the top of the egg floating on the honey. Back comes the mamma bee, and she is so much occupied with the age of mammals, large and small, the Anchithrerium in Europe. The size is increasing and the middle toe is still elongating and the other toes are shrinking, thus show agertore divided into the merce in the Palæozoic period, which the other toes are shrinking, thus show ing that the transition stage is in propagation of organisms may become the top of the egg floating on the honey. Back comes the mamma bee, and she is so much occupied with the other toes are shrinking, thus show ing that the transition stage is in propagation of organisms in the other toes are shrinking, thus show the other toes are shrinking, thus show in the tunnel, looked the other toes are shrinking that the transition stage is in propagation of organisms in the other toes are shrinking that the transition s yours the contents of the egg, which lasts vironment is stronger than his extra-

minds into higher forms, it may be profitable to dwell for a time upon what the human imagination conceives the mind to be, and in order to do this in an intelligent manner it will be necessary in the numerous proto
Is a satter considerable development and and did out, some remain stationary, which I should specially like to call day. So you observe that the horse's forefoot, from the knee downwards, was while others are developed into higher and higher orders of being. This may possibly the accounted for by the change which has taken place in the atmosphere and the profit of the Metazoic, there arose a most important to which I should specially like to call day. So you observe that the horse's forefoot, from the knee downwards, was originally the middle toe of which the instructive lesson, and higher orders of being. This may possibly be accounted for by the change which has taken place in the atmosphere and higher orders of being. This may possibly be accounted for by the change which has taken place in the atmosphere and the profit of the first cause in their exceedingly the middle toe of which the horse's forefoot, from the knee downwards, was originally the middle toe of which the horse's forefoot, from the knee downwards, was originally the middle toe of which that just and higher orders of being. This may possibly be accounted for by the change of the profit of the first cause in the profit of the profi

We are permitted to reason by inducboundary between reason and instinct it cumstances which surround us, and by becomes so blurred as to be indistin- that process we are enabled to assert fluenced by environment, and I particuevolution up to the highest intellect of one which can be clearly proved through seem a blasphemy upon nature to sugthe present day.

all the stages of psychical evolution, and gest that man is the only creator?

In the earliest stages of evolution, the it is one which has a peculiar bearing I have thought proper to address

security. Even the earliest mollusks built their shells. Insects and birds built their nests, and it is difficult to water—by which they were surrounded, earnestly urge upon you to receive it as How it came we are not as yet being by some of them becoming ganoid to light many missing links, and have say which is the most wonderful, a bees' they were dependent upon their envir- a permitted to know, but a most ingenious and fascinating hypothesis has been we have only to place a salmon alongside ous animals which were living during case the building operations must have thought and organization of labor. But in the life of insects we have a most ining medium, and there was gradually the noble work of moulding the immabuilt up either a sympathy or an antiand clear sky-which the people of Van- perhaps a few mosses and here and there of being, and also to group them into observation and the adaptation of habit pathy between the medium and the excouver are sometimes permitted to see a very scanty vegetation. But when we genera and species. The stores of science to surrounding circumstances, in the terior and interior of the organism.

—there are passing great streams of ascend into the carboniferous formation were greatly enriched in this direction a case of the anthophora, or mason bee. what in astromical language is called "dust," which is composed of rocky matter of various sizes, some of them as the form the first factor of the form the large and probably a great deal larger of great forests of pines, tree ferns and space of only three hundred by sixty tunnel into it for a certain distance. It created in us when gazing upon some eccentricities of character, it will help than this building. And if it is doubted that such large masses could be floating moment what the result of this was. stream there were found an extraordinthrough the sky without being visible to Weknowthat the atmosphere was heavily ary number of fossil bones of huge it is down a sufficient distance the male into cold water, or the oppression occas- terest as manifestations of inherited the naked eye, let it be remembered that a large object like a balloon becomes but a mere speck when even a few miles distant.

The great streams of gigantic dust which are circling through space are probably debris from other worlds, and their courses have been so accurately defined by accurately defined by astronomers in the sky without being visible to the naked eye, let it be remembered that a large object like a balloon becomes but a mere speck when even a few miles distant.

We knowthat the atmosphere was heavily and miles and find of cement of fossil bones of huge it is down a sufficient distance the male and find of the sufficient distance the male into cold water, or the oppression occastic and mix up a kind of cement of the which they in the present day. The megatherium, which is larger than any elephant, the great work is completed they start off in search than an elephant, the great of honey which they deposit in the shaft of honey which it is down a sufficient distance the male into cold water, or the oppression occastion. But to the demands a kind of cement of the tunnel and shaft in a very beautiful manner. When this work is completed they start off in search the interior of the tunnel and shaft in a very beautiful manner. When this came into cold water, or the oppression occastion. But to the dencies, which it is down a sufficient distance the male with the dencies, which it is down a sufficient distance the male with and in the oco and their courses have been securately defined by astronomers that they can forestall almost to an hour when these streams of dust will come the constant of t when these streams of dust will come into contact with the atmosphere of the atmosphere and rendering it fit for before that time the attraction of gravity has drawn the nearest rock matter. towards the centre of the earth, and the both swim in the water and crawl among accelerating velocity of falling creates the rich vegetation on the land. These must have been driven together through plaster covering of the well, crawls in a which has evoluted into the intellectual step, upwards, towards the centre of the earth, and the both swim in the water and crawl among the vegetation on the land. These so much friction from the air that the exterior of the meteorite becomes head to incandescence and we see what is called a falling star. Helmholtz suggests of the meteorite becomes head they differed from the other reptiles and saurians which had to much friction from the air that the amphibians had gills like a fish and terror caused by some convulsion of sleepy way along the tunnel until he sleepy way along the tunnel until he when returned the present day. We may therefore and the rich vegetation on the land. These must have been driven we were, travis in a sleepy way along the tunnel until he when returned the present day. We may therefore and the rich vegetation on the land. These must have been driven we were, travis in a sleepy way along the tunnel until he when returned the present day. We singling the pæan as you go—N they differed from the other reptiles becomes head the rich vegetation on the land. These must have been driven we were, travis in a sleepy way along the tunnel until he when returned the present day. We singling the pæan as you go—N they differed from the other reptiles becomes head the rich vegetation on the land. These must have been driven were then swept away along the tunnel until he when returned the present day. We singling the pæan as you go—N they differed from the other reptiles and therein and the present day.

"The Minister of Education Urges
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Upon Teachers to Cultivat until it has reached in its upward path that intellectual being who is called

Man, possessing a reasoning power, a conscience and freedom of will so incomparably superior to anything which has preceded him as to suggest that he

intelligent manner it will be necessary to go back to the genesis of knowledge. It is a long, long stride, and when we spanned it we find ourselves landed have spanned it we find ourselves landed have spanned it we find ourselves landed to the genesis of life. At this resting place we become aware of the infinite powers after the properties of the past, still we can only do so up to a certain point, and there we are forced to pause and to bow in reverence to the passe and to bow in reverence to the pause and to bow in reverence to the passe and to bow in rever to assert that there are living organisms of six thousand millions of them to cover a square inch, and even then the limit of the microcosm would not be reached, while in the infinitely great the spectroscope has revealed to us the composition of the atmosphere of the spirit two reasons does not permit us to realize distance so great that it can have a better authority), it must have taken about fifty millions of years from the complexation of life or the a distance so great that it can have no end, neither on the other hand can we there must always be something beyond the scene of the present day, and I was the archetype of our own bodies in the present day, and I was the archetype of our own bodies in the present day, and I was the enchetype of our own bodies in the present day, and I was the enchetype of the same the present day, and I was the enormous as the was the archetype of the short period of a few weeks—or at the short the evolution of mind.

It is customary to suppose that reason is the peculiar attribute of man, and is the ing to believe that there is an Almighty Creator as far superior to man as man is

to the primitive moner. And when we come to consider this creative power of man, large as it is but limited as it is, and then to gaze up-

I have thought proper to address you upon these subjects because from the spirit of the age this wonderful evolutionary hypothesis must of a surety beautiful revelation exteriors of these organisms which were spirit you will find the study of evoluture minds which are committed to your charge. It will help you to cultivate, not only the three r's, but the more important qualities, the two p's, pity and step, upwards, towards the distant goal, singing the pæan as you go-Nearer, my

bility. I was robbed and swindled by the quacks until I nearly lost faith in mankind, but thank heaven, I am now well, vigorous