Cei me semble une conférence de 1936 ou 1937.
Elle est proche du Cosmoo (1936) et des autres limitérés
Conférences sur l'évolution.

#### The Problem of evolution in Philosophy and Science

Scholastic philosophers and theologians are wont to believe that the very essence of evolutionnism consists in an effort to explain this universe without having recourse to the Creator; to do away with the idea of creation as much as possible, of not entirely. That is undoubtedly true of a certain number of evolutionists. But we must never judge a theory by the various ways in which we might abuse of it.

We might say that there are two fundamentally idfferent manners in which scholastics have tried to honour the creator. The one consists in trying to concede as little as possible to the creature. This is the idea at the bottom of creationism. Crationism would have us believe that a special intervention of God is necessary for the establishment of a new natural species, exactly as in the case of angelic species, and deny the scientist any right to try and derive one from the other. At the other extreme we find those scolastics, such as S. Thomas, who will to the creature as much as possible, not because they wish to eliminate as much as possible the intervention of the creator, but on the contrary, because the creative power of God is most profoundly at work where secondary causes are most "causal". The more a crature is capable of acting of its own accord, the more it manifests the power of its ultimate cause, for even this causality is from God. Considered from the viewpoint of the creatures, God is more profoundly cause of our free acts - and no activity is more our own than of any other reality in us. The more a creature is cause, the more God himself is cause: In the is cause of the Carrality in the waters.

Therefore if we reject the fundamental idea of creationism, doctrines concurred this publicant it because, of all orthodox froms of evolutionism creationism id really the least creative: no form of evolutionism deprives God of more power than the doctrine which would deny his effects to be causes. We reject creationnism because it is not sufficiently creationist.

Before passing on to a justification of this viewpoint,

I would like to show the profound distinction between the
scientific problem of evolution, and the philosophical
problem of evolution.

Quite generally, philosophers as well as mest scientists assume the right to confuse their respective viewpoints, and the conflict provoked by the problem of evolution is a most striking example of this confusion.

The battle is really based on a methodological error.

Philosophy and science start from two fundamentally distinct points of view. The terms used are profoundly equivocal. The very term evolution has an entirely different meaning in experimental biology and in philosophy of nature, as we shall see later. Id. App., willight in the content of the con

All science, whether it be philosophical or experimental, tries to explain the complexe in terms of the simple. This is a fundamental principle of all science. But it is important that we agree upon the meaning of the term "simple". The nature of the simplicity to which we must reduce all phenomena may differentiate the very nature of the sciences.

Now it is very easy to show that what we call "simple" in experimental science, is inversely proportional to what we call simple in philosophy. In science, a stone is much more simple than a living cell. The propelling mechanism of a car

is infinitely more simple than whatever enters into the leap of a panther bounding upon its prey. And of all beings studied by experimental science, man is undoubtedly the most complex.

In Philosophy, it is just the contrary. Man. who, in experimental science is the most complexe of all beings subject to experiment, is in philosophy of nature the most simple of all beings entering into the composetion of our world of space and time. The animal is more simple than the plant. A being is simple according to the perfection of its form. The result of this principle is most astonishing. A stone becomes infinitely more complexe than thought, and its very ontological complexety is the ultimate reason why a stone does not think. And when ontological simplicity hearnes absolute, it is thought thinking itself: it is God. In metaphysics, the ultimate cause by which we must explain all things, is pure act, absolute simplicity. In metaphysics, God occupies Lunisimally a position analogous to that Wheld by the quantum in contemporary physics.

### Nonzietzneszeketzhenpenszwhenzerznetyzthiexdistinction toxinexproblemxofzeroletinex

In other words, experimental simplicity is inversely proportional to ontological simplicity. The philosopher who looks upon the work of the scientist will say that the scientist is explaining the superior in terms of the inferior, whereas in philosophy we follow an opposite course. (One might object that Bohr, forinstance, has used a macroscopic image in order to explain the structure of the atom which he compared to a planetary system. But the explanation did not consist in the comparison, nor in the image, but in the EXERCITY CONSTRUCTION of an image derived from the elements of the atom.

The explanation lay in the derivation of the minuscular planetary system from the elements, and not vice wersa.

Let us now apply this principle to the problem of evolution. It is clear that of there is such a thing as an experimental study of man ( a human biology, an experimental psychology) we will have to consider him in the perpsective of what is experimentally more simple than kex man, that is if we wish profoundly to understand human composition and activity. The aim is not to identify the complexe and the simple, but to explain the former by the latter. We must endeavour to reconstruct man from what is experimentally basic and elementary. Hence nothing could be more natural than the scientist's attempt to derive man from the animal, and the latter from the plant and so on. He will try to explain how the hierarchy of natural species has established itself by increasing complexity and organisation. If he cannot do this. than he manunixexplai does not explain. And znokexeklizhat thisxexplanation will anatzhexentsing ical When the scientist says that the animal kingdom evolved from the plant, he does not mean that the plant is the ontological cause of the animal. we cannot expect the scientist to get to the ground of the ontological structure of things. We cannot expect the experimental scientist to prove the immortality of the soul, or the physicist to prove the existence of god. These proofs are stricttly philosophical. Therefore, it is the scientist who denies the possibility of other viewpoints than his own, the scientist who believes that his own particular viewpoint is the only and exhaustive one, that falls under the category of evolutionists we condemn. Hence we do not question his scientific facts and scientific theories, but

but his methodology, not in so far as it is scientific, but in so far as it excludes the possibility of other viewpoints. This methodological error does not necessarily affect the intrinsic value So four as the theory itself is consumed of the theory. VIt really does not matter what he thinks beyond his own field. The architect cares little about the architectural opinions of the mason executing his work so long as he follows the plans. It matters little what the accoustician thinks about a Bach Fugue, so long as he knows how to tune an organ. If certain scientists today believe, but I am sure they are few, that there are no problems other than those of experimental science, and that this branch of knowledge gives sufficient knowledge of reality, it would be vain to try and convince them they are wrong in their exclusion. If this attitude makes them happy I cannot see what could be done about it. nor that it matters. They are comparable to the people who mannet dislike cheese and olives xxxxxx or Mozart; or tany animal who can do very When speaking of evolution in Philosophy, we must

when speaking of evolution in Philosophy, we must start from the fundamental principle that intelligence is the very raison d'etre of all possible creatures. God is the end of all creatures. He did not create in order to manifest his glory unto Himself. He has no need of this. This manifestation calls for an appreciation by the creature itself. Now this can only be realised by a creature capable of knowing God.

The intelligent creature alone is capable of an explicit return to its creative principle; so that a being which is not endowed with intelligence, cannot exist for its own sake; whereby it automatically becomes a function of another being, capable of knowing God. As S.Thomas Says (II II ii 3): "the created rational nature alone is immediately subordinate to God, since

From this we may immediately conclude that all existing things in this universe of space and time are essentially functions in function of mind. If we exlude mind from our world, we may not even call it a universe proper. A world which remains obscure to itself has no unity. As S. Thomas says: an essential part of the universe is not essential in so far as it is a part of the universe, but in as much as it is itself a universe: in as much as this part is in a certain manner all the other parts. An essential part must be in vital communication with the whole. And this what happens through mind and knowledge: for the soul, says S. Thomas, in in certain manner all things: anima est quodammodo omnia. "Secundum hunc modum possibile est ut in una re totius universi perfectio existat." In this manner it is possible that the perfection of the entire universe exist in one being. "Nam unaquaeque substantia intellectualis est quodammodo omnia, in quantum totius entis comprehensiva est suo intellectu." de Ver.II2

That an intellect knows somehow all things is a rather astonishing statement. We are intelligent beings. This does not prevent us from observing that we barely have enough intelligence to know that we know nothing. For there is no doubt that we are so ignorant that it is impossible for us to know just how ingnorant we are. If we did, if we knew the depth of our ignorance, if if we knew exactly what we do not know,

we would know what we do not know, and knowing nothing we would know all. We would be all-knowing, omniscient, as God. In other words, God alone knows the profundity of our ignorance, because he alone knows all.

But to know that whe knows nothing is nevertheless a manner of knowing all things. When I say that I know nothing, I mean that I am agnorant of everything. But how could I know this if I did not somehow know everything? It is impossible to think "nothing" without somehow thinking "everything". This everything is very abstract, and therein lies the imperfection of our knowledge. But it is the privilege of all intelligence to able to say "nothing", "impossible". We know that nothing, i.e. the impossible is opposed to being: a thing which I could not think if all being were not fundamentally accessible to mind. My knowledge of everything is most confused and abstract, but is nevertheless in its own way knowledge of being which implies all being.

#### ifxoaoxiszkbezonigxrationel

In other words: an intellect contemplating our universe at a time when it contained not only no human beings, but no life whatsoever, this intellect could nevertheless infallibly predict the advent of man, otherwise, all things existing before the advent of man would be in themselves contradictory.

Now if this universe is franking originally and essentially ordinated to mankind, why does the mind not make its appearance from the very beginning? \*\*Thyzisxthexveryzandzofxthizzworld\*\*

\*\*Example of the very beginning of the universe only at a given time? The very beginning?\*

Why are human souls not given from the very beginning?

What is a soul? Following Aristotle, S. Thomas defines it the act of am a physical organised body. That does this organisation presuppose? It means disposition of matter. Hence, if there is no life in this universe, it means that matter is originally insufficiently organised. "...if a form, says S. Thomas, be not suddenly impressed upon its subject, it is either because that subject is not disposed, or because the agent needs time to dispose the subject. Hence we see that immediately the matter is disposed by a preceding alteration, the substantial form accrues to the matter....For the reason why a natural agent cannot suddenly dispose matter is that in the matter there is a resistant which has some disproportion with the power of the agent..."(I II 113 7c)

Evolution will nothing but the progressive organisation of matter in view of the reception of the human soul. For there is no doubt that the human must be immediately created by God, since it is spiritual and simple, and therefore cannot be extracted from a given subject such as matter.

But whence comes the non-soiritual life in the universe such as that of plants and animals? You have all heard of prime matter. Matter contains potentially all the possible natural forms. These forms of life were given in the potentiality of matter from the very beginning. Hence they are no longer to be created. They may be released by a created cause. An inorganic being is not a living being, but in the potency

of its prime matter it contains forms which when released will be souls of living beings. And a sufficient cause may thus manuax extract, educe life from non-living beings.

Infra-spiritual life in this world does not come from without, but from within the world, by way of organisation.

But the inorganic will not be able to deliver itself of the potential life it contains. It cannot generate life. For generation is "origo viventis a vivente in similitudinem naturae". In generation proper, the effect is always similar to the cause, and no cause, as principal pause can produce an effect superior to itself. Hence evolution cannot be ontologically explained by way of univocal generation.

Must we therefrom conclude that evolution will henceforth
be impossible? This will depend upon our concept of nature.
The concept of nature of contemporary scholastics is profoundly
different from that of medieval scholastics. Modern authors

\*\*Exergenerally\*\* hold an extremely naturalistic conception of
nature. In their opinion nature as nature must explain itself.

Now in nature, there is no spiritual agent which could realise

\*\*Exercise\*\* evolution, there is no sufficient cause. Therefore,
the suscitation of new life in this world cannot be explained
but by a direct intervention of the creator.

S. Thomas thought otherwise. In the Summa Contre Gentes, he established that the desire of prime matter, is ultimately a desire of the human soul: ultimus generationis totius gradus est anima humana, et in hanc tendit materia sicut in ultimam formam. How can this tendency of matter be satiated? No agent acting of its own accord can produce a form superior to its own: nihil enim secundum propriam speciem agens intendit formam altiorem sua forma. But the universe tends toward

the ultimate form which is the human intellect: intendit ultimam formam, quae est intellectus humanus; quae quidem est altior omni forma. This form is higher than any any natural form.

Now does S. Thomas conclude that the desire of prime matter cannot be remaindate answered. since within the limits of nature there exists no cause capable of realising the aspiration of matter? By no means. From the necessity of an assembly ascendancy in nature, he immediately xxxxivizz the necessity of a xpiritual zdriving our universe on to ever higher levels of life. And he does not specify the nature of this power. "Non differt/ad praesens intentionem, utrum corpus coeleste moveatur a substantia intellectuali conjuncta quae sit anima ejus vel a substantia separata, et utrum....a Deo, vel nullum immediate. sed mediantibus substantiis intellectualibus creatis.... dummodo habeatur quod motus coelestis est a substantia intellectuali." It does not matter presently whether this spiritual substance is as the soul of the universe, or whether it is a separate substance acting upon the universe from wihtout; neither whether this substance is god acting immediately, or any number of created spiritual substances, so long as it is clear that nature is travailed by an intellectual substance.

Now this immdediately removes all possible philosophical objections against evolution based on the principle of sufficient cause. If evolution requires a superior cause, than this cause exists. But it must also be made clear that this ontologival causality has nothing to do in the field of experimental science. We cannot expect the scientist even to move the question? He must explain evolution by genes, and not by spiritual powers, which can make no sense in experimental

science.

It is clear then, that from the philosophical viewpoint, all work of nature is ultimately that of an intellectual substance: "quodlibet opus naturae est opus substantiae intelligentis."(CGIII24) This is why we may say that nature is ingenious, that nature knows, and so on. Not because a natural being has intellectual knowledge, but because when the being itself has none, there is nevertheless intellectual knowledge in play. Mind is at work in the growth of a tree, or the rising of the sun. And this very intelligence is really bringing nature closer and closer to itself, it is drawing nature to its own level, by increasing the interiority of natural beings, by enriching life. We will see later how this interiorisation is realised in the hierarchy of natural species.

There is one more classic objection against evolution that I would like to answer before describing the process from more particular angles. It is said that natural forms are indivisible. For the form is what constitutes a thing what it is. Therefore no form van be transformed into another. - This is quite true. Forms are individible. But I cannot see how this would affect the idea of evolution. If it did, it would mean that we our concept of form is not aristotelian, but platonian. For in the process of generate, it is not the form which is transformed into another. Generation consists in the eduction of one being, not from the form of another, but from its potency. And S. Thomas who is often quoted to sustain this objection against evolution, answers litterally: "In hoc videntur fuisse decepti quia attribuebant fieri proprie istis formis.

cum tamen fieri non sit nisi compositi, cujus etiam proprie est esse. Becoming is not in the form, but in the whole of the thing that becomes. Unde et fiert dicuntur formae non propria factione sed per factionem suppositorum, quae transmutantur transmutatione materiae, de potentia in actum.

Evolution may therefore be defined as the process of
ever increasing organisation effectuated by the eduction
of more and more perfect and heterogeneous natural beings
from the potency of imperfect natural beings, not by way

\*\*EXCENTIALIZEDIALIZE

Evolution may therefore be considered as an immense effort of nature, sustained by that spiritual driving power, to discose itself and to make its last appeal to the creator who responds to natures! desire, the appetitus materiae, by the creation of the human soul.

Bafors going on, I would like to make one more point which is perhaps the most delicate of them all. May we say that the human body is a product of the evolution? This question calls for a few distinctions. We may consider the human body from an experimental viewpoint, or from a philosophical point of view. If from the latter, I would distinguish again,

before answering the question. If by "production of the human's human body" we mean the growing organisation of matter in view of man, i.e. generatio ut factio, then we must answer that the human body is prepared by way of evolution. However, wintyzthatxquestionzwexmanztoxaskxwhatzwonstituteszihm humanzwodyzisxthexfarmalzwanz absolutely speaking, since the soul is what constitutes the body human - where there is no human soul there is/human body: a corpse is not a human body - since the soul is what constitutes the body human, God alone can constitute the body human, for He alone can create the soul, formal cause of the body.

If by human body we mean what is experimentally observable. then I would say that, itxxxxxxxixxx in a certain manner, it was given from the very beginning. Put a man on a scale, and let him die. A substantial transformation takes place. But this is not indicated registered by the scale. The pointer keeps indicating the same number. The scientist might follow a group of atoms from a pond runn through a blade of grass. and from the grass into the cow, and from the roast into Mr. Zebedeus, where they finally lodge themselves inxxix somewhere in the tip of his nose. This might have/done for all his atoms, for Mr Zebedeus, whether prime minister or beggar, is like bricks, cappage, and dogs, made up of atoms. From this point of view, Mr Zebedeus is no more than a very complicated mess of atoms. I do not think that the passage of the atoms from the pond into the grass into the the cow into Mr Zebedeus has affected their weight.

But this point of view is merely metrical. It does not go down to the ontological causes of Mr.Zebedeus.

I think that the these precisions will do, at least to show that the problem of evolution is a very remaitratedziane intricate one. I have often been asked: "are you for or against evolution?" If the questioner expects me to answer remain by a yes or a no, then would say: "whatever your opinion might be, it is certainly not mine." This question cannot be answered by a yes or a no, but by a treatise of philosophy. And by what I have hitherto said, I have merely tried to show that a treatise would be necessary to answer that question. I sincerely hope you are not looking for it in this lecture.

I would now like to suggest a few particular points of view from which we might consider cosmic evolution. We might define the process of evolution as an aspiration toward "intemporality", since it is a tendency toward the spiritual form of man, which, considered in itself, is above time. We might consider evolution as a tendency to overcome spatial diffusion, as an apiration toward intellect and free will.

We will study evolution from these various viewpoints in the perpective of philosophy of science. In Philosophy of science we take into account what has been established both by philosophy and by science, and we try to weave it all into a harmonious whole.

In Lemaitre's theory of the expanding universe, maxique physics reveals to us a world starting from an immense primitive atom, in which all the energy actually dispersed in the profusion of heavenly bodies was originally condensed. This atom exploded at the beginning of time, and our present universe is nothing but the fragments of this explosion which continue to fly away from oneanother. This theory might explain the recession of the spiral nebulae. Thexes On the microscopic

scale, the second law of thermodynamics, shows us an aging universe, a universe which is continually breaking down, and which will eventually be extinguished some time in the future. Energy is being irreversibly degraded en tending toward a state of thermodynamical equilbrium.

In the theory of mutations, biology also shows a universe advancing by continual and successive explosions. Waxes But, in opposition to the impoverishing dispersion of the physical world, life grows by increasing organisation. The flower constitues a progress of the bud.

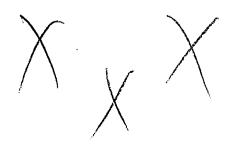
Whereas the physical world is becoming more and more disorganised, the biologist has acceptainted observed that the organisation of life becomes more and more intense in the course of time. We might like these two opposite movements to a chick which frees itself from the egg by bursting its shelle. The growing life of the chick might be acceptated taxing an image of the general biosphere, or life-sphere; wheras the bursting shell is an image of the beaking down physical universe.

If we look upon these opposite phenomena from the viewpoint of philosophy of science, we might say that the impulse of life and its progress ix are responsible for this breaking down of the physical world, that the urge of life is literally wearing it out.

Tending toward a greater organisation, the max disorganisation of the physical world is but a debris of a universe absorbed in life. In this tightening organisation the biosphere is lifting itself more and more above the fragmentation of space, and above vanashing time. Absolutely speaking, it is life which in the effort to touch itself in

Life advances against the diffusion of time, it is a a triumph over the scattering of physical time, and oblivion. This is manifest in the increasing memory of animals. All knowledge supposes a certain degree of intemporality. In knowledge, there are there is not only a certain degree of independence frameximaxement timex relative to time, but also to space. In so far as being is living it is above space. And a being capable of knowledge is oabove the diffusion and the separation of space in as much as it is present to itself, and in as much as it is capable of assimilating its environment. Where space is dominant, things are separated from oneanother: one is totally outside the other: whereas knowledge is essentially component ation.

In life, the universe which is expanding from the physical point of view, is bounding back upon itself, and constitues in this contraction centres of increasing density, finally reaching man, in whose intellect the cosmos is present to itself. We might represent the universe as two extremes separated by space and time all they entail, tending to be united in consciousness, and in so doing, the world projects this whole hierarchy of natural species, each of them being a step toward this Existent union.



I have just said that the biosphere is lifting itself more and more above time. This is not just a literary divagation, or a metaphore. If we arrange the plant species according to their rapprochement of the animal, and the animal species according to their rapprochement of man, we must say that the vital impulse which animates the cosmos from the very beginning is educing from the potentiality of matter forms emerge more and more above matter, essences which are more and more one, and simplex ontologically simple. Now existence is always proportionnal to the essence. Quantum iniculque inest de forme, tantum inest ei de virtute essendi. In other words, the duration of cosmic beings will be of increasing simplicity. Natural species will constitute a hierarchy of durations, just as it constitutes a hierarchy of essences. The animal will be less temporal than the plant.

This perspective is undoubtedly strange, since from the experimental point of view we measure the duration of plants animals and man with the same clock.

But precisely, the perpective of experimental science and that of philosophy are profoundly different. Physical time is to be defined by the way in which we measure it. Now the bases of physical measurment is homogeneity. Natural beings may be measured in this manner in as much as they have an element in common: corporeity. Now corporeity is characterised by homogeneity. This sufficiently explains \*\*Expression\*\* The unity of physical time.

But in philosophy we must take into account the whole of natural beings: we must consider their heterogeneity which constitutes each individual in a determinate species.

EVOLUTION

Cychology in

Javandrais vous présenter quelques réplessions de l'ordre de la Die des sciences. Fur le problème de l'évolution.

Deux aspects particuliers:

l'évolution dans la perspective de l'espace temps
de la nature

Conférence domini à la Soc. Birloy. De Mil en 1936 on 1937.

m. De K y a ajante de minere de minere de comme comme comme de comme comme de comme comme de comme co

Je sondrain sons frésentes dans cette l'arterenu, quelque réflaim, de l'ordin de seinne, som le problème de l'évolution. Et je me soulement à deux aprect fanticuliers que présent sette pentres promis tant d'antres. Je medrais regarder l'évolution dans la perspection de l'epace-temps, et dans las perspection de la mathre.

Mais j'ai un ros à lin avant

De Moral de ma placer à ce point

de new plus extremt.

## L'Evolution en Biologie Philosophique

- (conférence)
- 5. 8 /2×11-liqués à l'enere. unuépotés 1 à 5.
- h'on evoir que la vie thomiste s'oppose à taute videi d'évolution dans l'univers spatio temporul - Cela trient à la transformation de la vie de la nature mon jour à la doctrine de p. Thomes.

Cette transformation consiste à confondre le pt de v. outolog. (plu'/o de la nat.) avec le p d v espesimental des se. dites exectes.

Ex. Le biologiste et la théorie é colubiamiste. Objection des Que

- p.2 L'evreur des plu lorophe couriste à voulour expliques la noture en fonction d'ellem, comme doit faire le savout.
- 1.23 Déjà pour expliques le mot dans le monde inorganique, il faut avoir recours/à une come rechire transcourrique.
- 13. Doctrue de l'hyleinerphisme = toules les farmes mat, poss. sont consenues de la puissance de la matière, à l'exception de la farm spir de l'he.
- La nature exige une accendance. Toute les natures infrahumanies sont ordonne 14 Il fant que le mot se lamnie à un esprit indra cosmique, lie à la mat. l'he. Point délicat: part on dui que le contre humain fut façonné par voie d'évolution?
- 1.5. Distinction: Ohibosophiquement parlant, le Rospo humani n'est humanique par sa forme opiniquelle. En el seus, il est mi possible que le corps humani sait produit par evolution.

  Mais se pur produire uncorps humani, sous entendous tout le travail préparatoire, par voie d'alter aboues et de disfosition, il est
  - entender qu'on frent dere que l'évolution le Façonna.

    Thedions l'évolution de notre univers dans la perspective de l'espace temps
    l'évolution amein des lemps det entenières jusqu'à arrives à l'he

qui, dans sa spiritualité, n'est plus dans letemps.

# d'Evolution en Biologie Philosophique

I h crost généralement que la thit thomiste s'oppose à tout idée d'évolution dans l'univers spatio-temporal. Il st vrai que le thomisme, tel qu'il a ét thansforme depuis nombre d'années, he laim ancune plan à une avendance dons la mature. mais cela tient à vapra transformation, et non tos our thousant à la doctrine du ché de l'école et des grands commentateurs.

lette transformation consists à confordre le point de me ortologique auquel or or place en philos, avec le doish de me stickeurs of parimentales de seince solites soutes. Il la science solica habites de doit sopliquer la nature en for this de la habite: en fortien d'une mature qui rese ensièrement surfice pur elle-même: Un ne feut, à aucun moment aire recorrs à sur cause soba coomique. Ils qu'en déposse la mature, on ont du domaine des se espérimentales.

de biologiste, p. 4., constate dans la dalion tologie, dans l'embyologie, et l'anatonie emparer, et les pails de combations, une assendance d'es des types d'ogonisation tonjours juderieurs qui dérivers les uns des autre. Il s'agil maintenant d'expliquer ces faits de contrabation: E'At-à-dire de construite une thérie à nartir de Caquelle out feut déduire les Ménomines observés à l'titre de conclusion. If Allidert que icthe theorie Desa nécessiones Alique Melque chose, qu'elle st évolutionnik: suche but theorie it pourail "spliguer" les faito. Ce qui o oppose à la thébrie twentionlish nesp put rue theorie, mais tout simplement la negation I de la pombilité d'une théorie, la nigation de la possibilité d'expliquer les phenomène en question. mais il est facile d'opposer à cette prétendue imposibilité la fait d'houre therie mit recont. de Thil Stefend que cette théshe ne peut Eta vair, car elle suppose que le plus out du mons, ce qui A contrain lan frincipe de contradiction.

2

Cette objection, eache des confusions tre graves an how thitosophique. En effet, elle suffron que le savafit pure de causes au seus ottologique. Il n'en At view on dit sonver que le philosophe Toplique les Phénomens Nar lech cause prentiers flort que le l'avont toplique par capiseperndes on Kkochaines Cettel detruction, It d'invention, récherte. dorrogue le tavour se test du terme "eause" il fant l'entendre au sur métaphorique. Eins loron'or dit que la chaleur of cause de la dillatation del corps: cela ne vent nos dire que la choleur At orbetone chose qui frotogre la blilabation: cela vent dire tout simplement qu'el roite une du relation contante lutre la vient firation est, la viene, et la men de la derion. Et se pourrait sum bin dire que la délatation et easiere de la chaleur: les relation soul harfaiteward convertibles: it l'explication contin à les pouveuer à une identité.

d'objection de ce philos n'aurait de portie que soi le ratour prétendair assignantes que son explication devolutionnife est ortologique. I le philosophe, du moins, devoit souvir qu'elle ne l'est pas, et qu'elle ne pent par l'êté.

de Moblème Abetsophique que soulier l'évolution st absolupment différent de déluit que soulier les faits exérimentaix. de Abril. des chercher les causes Atologiques de l'assemblance dans la nature. It sit s'il y a assemblance, il y a certainsement sure laure puffis ante. On feul l'afformer de l'abord. It cette cause ne freud avoir aucun peux expérimental: si elle les avoir mu, elle se serve par la vraie.

d'erreur du plut ophe courist à voulors spliquer la nature en poutron d'elle-même assure doit le faire le toures. Il ella est improvible. Dip plus l'espliques ortologiquement le monveums dans le monthe l'inorganique, il fant avin lecons a sure cause active trousersmique. Re le mode inorganique n'a y lui gu'un principe promi du surpanique s' principe " le "promunant les termes " inorganique " " principe " le "promunant au seus phitophisme \_; l'il avoit en lui sur principe actif de monveunt, il serait en sivent. le principe actif et récroaisement un vivant. le principe actif et récroaisement un vivant, sur vivant premppose au monde inorganique, donc spiritel.

la traitere, et priquel pour desper ains recons for sophique le mons dans le monde inorpositione, et pas sa transcendance mêm, capable d'espliques cette arenson qu'esige la nature, et qui se ternimera à l'homme, sans intervents, d'in a ch créateur.

S'après la doction de l'hyféniorphiome, tonte, les formes naturelles possible sont contenues dans la prima la la matrine, à l'exception de la forme sont la prinance de la matière n'higa encumpacte créateur: la vientire de pril " sa milito sui et subjetir." — d'évolution dans la nature se devient imposible que s' hors la Chrilism à l'rigine.

Sign hue ascendance. It is blend le terme hatin au seus Mich de Mincipe et cause intrinsèque de la habre et de repor. It cette loiglance de la habre et au fond hue les natures infrohemaines port sochrillements redomnées à leil et qu'e, delors de lui, elle sont cortradictoires. Iffere habre et principe de historiums. Muis le monvement est sochriblement builance vers aute chose : il n'il ap'une ponetro, intermédiain. Il fant que tout monoumnt soil un dernier intorne holonie à un terme immobile

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à un être qui comporte dans on some de l'immobile. Cette some inmobile st néces inemed spirituelle. Il font que le monvement se termin à un soprit. Et à les soprit intracromique, c'et à dise lier à la moshère: c'et à dire l'homme. Queun être infohimmain ne pent anns d'autre laise d'être.

he d'autre lernies, or je me commainait dans l'univers qu'une Plante, le ponnais expendant din que l'homme assivera. Je su surrait en autum secon comment il sera. Je su porrais le trédite que comme un êté publique composé de shatien et d'une some sur situale.

de l'homme se trouve dans les natures inférieures, et qu'elles tendent sentillement ser lui.

Elle st realiste dans la disposition de la hichier apper à recursir la pour spirituelle de l'homme. Cette disposition de fait la passant par toute la hierarchie des l'éties naturels. Cette disposition et réposite dans le temps. Il l'orque dans lu lannuel quel conque elle attelit un certain terme elle dévient dispositio ultime hécessitoin pruram. C'es din que s' la hechim était d'elle men disposée à la técephin de la source humain, l'homme schait donné d'enblu des l'origine.

downt de passer à this lhou plus appropried de deuxapects particuliers de ce Moblèm se midrais fréciser un point d'une délicatese spèrue. Peut or dire que le corps humain fut promis par goil d'évolupia?

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Hout faire live ditinction. Philosophiquement parlant, le serps humain n's hermain que par la forme Biritielle. Donc, ce n'est qu'aix myment son il y a Brue opinituelle estée que le corps le l'esposible que le corps humain port produit par lholustra. Mais son par produir un corps humain, hour enfemblour tout le trainil preparation, par voir estendan qu'or pend de disposition, il est enden qu'or pend dire appe l'évolution le faconna.

aun If At impromble de démontinitationles ces idées avec riqueur. Il élevrals m'arrêles longueures de mobilité hoture, altération disposition, généraltes, consupérin causalité équivoque l'éte... Je he mis que non citer les conclusions.

Je Midrais expendant em donner un sample des réflectes, plus détaille de réflectes Automailes qu'à plent pain dans ce domaine, en me placout à un point de me plus estrefut.

Endions hour hu hismend, I livlishing de l'hohn, vijivers dans la plropletin de l'Apace-tempo: pour montres comment, acapeter l'hardenting l'hvolution amine des temps de plus en plus simples pusqu'à arriver à l'homme qui, dans ou spiritualité h'f plus dans le tety.

Nous avous vu hier que le terme ultime de tout mouvement au seus propre dait être en l.-m. immobile (1) Papier: Courent Des Donninicai dimuobilité. Existence simple. Spinitualité Il fant que cet espit soit intra-corrique : été hui L'Re est la raison d'être du cosmosha nature = tope d'une tendance exercé vers l'intelligence p.2. Dordin du lormon pour trouver une coure active qui pousse à la montée Chercher l'intell sur une pauve petit planite Heure, la surprise accompagne tout ce qui est grand c'est pour l'intelle. porte dont sa lumière en elle p

how how here on her gue le terme allime de tout moment au leur propre/laminar de puissant au leur propre/laminar de puissant au leur propre/laminar de puissant de puissant de puissant de puissant de puissant au la print de puissant de

deth en comis. He name enter ethe enter ethe enter see sen et enter ethe ether enter ether enter ether enter enter

Hotelson & John

Comos he doit four her sexus du l'ornot he doit four hers suight himmen de house a serie tecome a hun suight de monde insperious he serie de monde insperious hers de monde insperious hers de monde insperious hers de monde insperious hers de series de monde insperious hers de monde insperious hers de monde insperious hers de series de monde insperious hers de series de monde insperious de series de monde insperious hers de series de monde insperious de series de series de monde insperious de series de series de series de monde insperious de series de serie

tot ch. Ost peg der st grand gn'il pant chercher l'Inkelligne far inhalle som en tidn, et il n'étail somm for en comin: il fallail le chercher dans une careno, anche pur la paille, ch du neant; c'h sur cette flanch un âne Duspiel accompagned that a genles begrandisse silvableube gu'il fank cher her cette intellique à laquelle tonte ce choses pour districé; et ce n'es pour dans le soleile; meais d'espace, gent déconcerber à premier me Redonce & it & Roum down at leaver It grand. Arrow Min minu son seperales em grain de poursiere efforit dans le morde, de rist il apparail ance le plus d'éclat. Il ceptendant se pr'est pos dans I'st wai on o'attendrait à mi Our three former petite planch, the ew was how if he s'sh sechauft four im bey in We fait do dive, que tant don't the he mis i chrises par: la

> gu'il dent d'humilier ains: et e est Mes I inheligence forke tout for leminier en elle glie l'endroits gu'elle halets ne pent ein orderer à son é lat: et qu'elle se monifeste pricisement là où l'on s'attendraits le moins à elle.