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Coherency, Correspondence and the Obsolescence of Simultaneity

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Abstract

In the search for a universal science understanding, scientific efforts, in order to establish a conceptual order, beginning with a notion of infinity, a world of infinite particulars, to establish sets of correspondences to lend coherent meaning and possibly a universally coherent meaning from conceptual notions, it is proposed (Kirsh 2007), that coherency is dependent on the deletion of information content related to unique witness specific parameters of location and associated unique/particular extensive parameters of location -all occurring total processes or subsets of reside in the proverbial "dark" with respect to the potential total of existing information. This defines, despite an innate propensity to exceed coherency in interpretation and actual boundaries resulting in an incoherent dark area with respect to what is revealed, an area that contains a total of all that is knowable and in itself is taken to be an infinite set of location dependant particulars. Though granted to have some discernable order-i.e. facts of transmission, kinds of transmission, facts (laws) of motion which when examined closely with respect to this interpretation are *only* descriptive but lendable to the tools of mathematics which, though not resulting in a continuous model but in separate cases related to discerned classes and types, and having no unifying order, appear valid to empirical test. Studies of the mind become hampered with confusion and distortion as bare logic suggests that observation and resulting interpretation is modulated, can only be modulated by reflection and re-reflection back upon the stimulating agent of himself.

The world, dividable into two great categories, the fast (electromagnetic radiation) and slow (longitudinal-sound, and motions of low amplitude that can be related to perceivable distances), existing perception, aided measurement, cognitive interpretation, result in immediate or second extended conceptualization of discontinuity from prima facie fact, and entail an instinctive conceptualization of a non random nature to the set of world processes. Presented is a reordered hierarchy of natural phenomenon, that entails a world concept as a random arrangement of the elements of nature, in contrast to an intuitively perceived, and strong sensual persuasion to construe non randomness in aspects of life experience. It is argued that this phenomenon results from a lack of existing self-identity of intermediate elements in all chains of communications from the molecular to macroscopic social interactions involving the communication medium, and is based on a homology of internal neurological mechanisms to the physical processes of carbon atoms and its' physically identity-less states in transceivers; suggested to be the only relevant process in a "carbon based universe".

Discussion

First sense perceived and construed real/tangible non-randomness is employed by assumption in the construction of scientific laws. It is suggested not only that modern interpretation of the natural world transcends into an "incoherent dark region", but that a deeper order exists that still does lend a coherency to scientific interpretation. Modern scientific endeavor and its potential applications, threatened with frequently arising exceptions and potentially drowned with the prospect of lack of coherent interpretation, universal chaos, is proposed to be non viable without an addition to its content and conceptual guidelines of philosophical considerations related to the nature, ubiquitous nature, of this dilemma itself- i.e. facts of perception and consciousness from which mathematics has unfortunately emerged and diverged to defined what may be considered as the appropriately unreal, impertinent to survival-i.e. inappropriate and incoherent with respect to public communication.

If one wishes for a conceptual unification to the universe, in assuming that one exists he must also assume that a conceptual unification of perceived discontinuity and ideal continuity exists. In this respect , real discontinuity, perceived discontinuity, can be logically presented in many ways-e.g. the discontinuity between the tangible and the immaterial, between the thinking soul and a world of tangible matter, between the gaseous and solid, between the invisible and the visible, between the infinite length of the circumference of a circle and its' finite radius and area, between the perceivable slow moving, and the extremely fast, between the intermediates of an event, and its' consequences, between the apparent coherent verses incoherent meaning of intermediates consequences, and actual meaning/purpose with respect to proper perspective and orientation.

For purposes of the discussion of relations in science, a topic of fast and slow transmissions in nature will be considered. This topic is asserted to have no innate conceptual difference from any kind of perceived or abstracted continuity/discontinuity. The name of "great division" is employed to describe the discontinuity of the fast and slow in nature and it is asserted as a suitable synonym for simultaneity, and to be conceptually obsolete- .i.e. that which is intuitively construed as a divide between the slow (perceivable) and the fast (invisible-i.e. that which depends on, for definition, theoretical constructions and aided measurement). The "great divide" does not really exist; processes of the slow or fast, are each an extended property of the other. In this case the longitudinal may be assumed to have components of the transverse, the transverse, components of the longitudinal; i.e.-it is interpretation related to a perceived and obvious distinctions of the senses at any point of perspective and to it's applicability for interpretation.

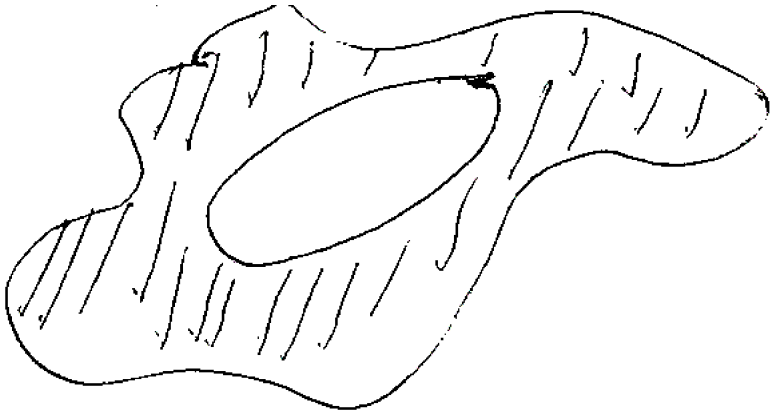
If one can conceptualize a perception of non randomness coexisting with a perception of randomness(a basically chaotic world with totally unpredictable winds) , versus biological symmetries and innately perceived differences of all kinds), and, in initial outline, relates his conceptualization to motion/transmission in vector form, a more profound paradox/perplexity emerges. Consider the following thesis:

Randomness results from a synergy of non random factors, but exists as perceived non-randomness from any or all perspectives. Accordingly, if one considers a theoretical system constructed from the non random, is a practical interpretation of the world that is compatible with science, yet theoretically totally random possible?... a self contained, coherent, random system as a synergy of discontinuous incoherent parts that are construed from direct perception.

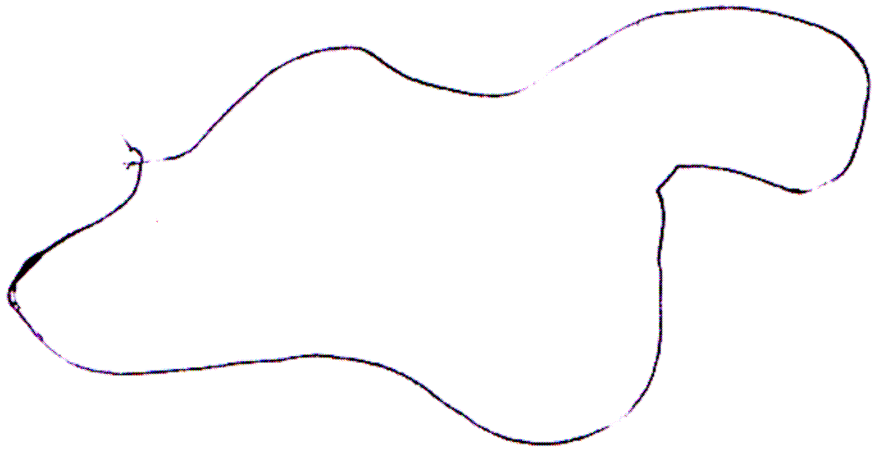
Figure 1

An actual CONTAINER of non random coherent components-vectors of light and sound are non random at each perspective (total boundary), but random (Fig 2d) if incoherency is lost to a synergism (inner circle). In figure 1a) A boundary delineated by an outlying dark region (hatched areas) of non existing coherency, with non random components, comprises a non randomly perceived, but conceptually random coherent total (open area in center of figure). Hatched areas are in all cases areas of incoherency.

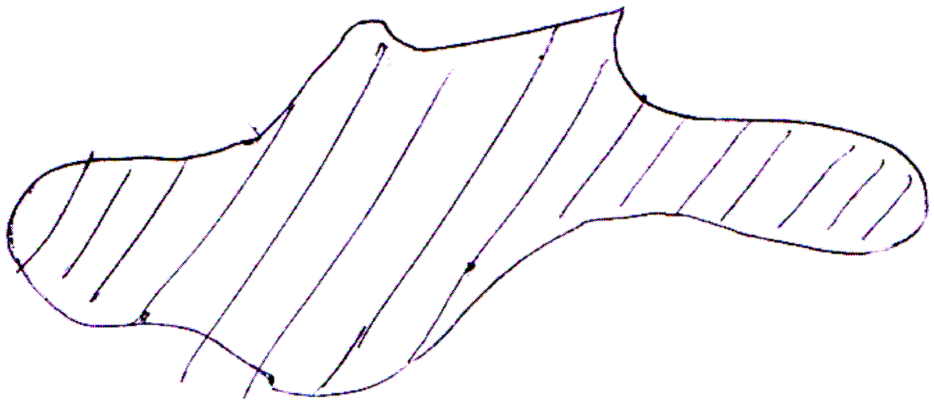
1a)



1b) CONTAINER of non random coherent components alone, perceived, though to be, coherent



1c) A container perceived as but falsely construed (hatched area) as a coherent non random total alone



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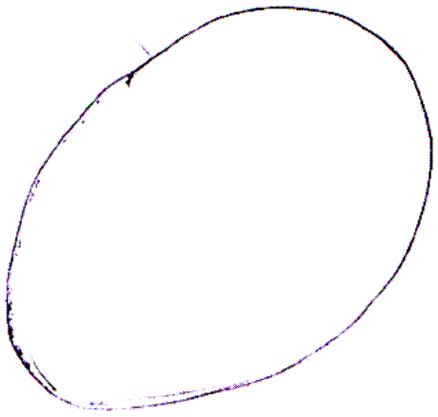
1d) A RANDOM , coherent, of itself, self contained, conceptual product synergy of 1b) and 1c) in which non randomness is still perceived at all perspectives



Simultaneity

In order to conceive of a concept of simultaneity one must also be able to conceive of its' contrast, i.e. non relative time.

To conceive of two events as being entangled, one must be able to conceive of their not being entangled. In terms of position and location, entanglement, if first defined to consist of a set of locations with similar extensive properties , not to include the observer, implies nothing more than a set of locations with a similar or equal set of incoherencies that make it distinct from locations or sets of locations. If one includes the observer, a difference between the unobtainable locate on dependant sets that delineate the incoherencies inherent in the location which contains the observer, and that which contains his entangled topic(s), is implied in order to make a statement of entanglement. Thus, if entanglement is extrapolated over the world, between any two locations, it mandatorily not only exists in some order of magnitude in order for witness process to occur for processes, but is relative to location, sets of locations. It's exact nature is not only unlikely to be as defined, but, as appropriately constructed sets of entangled objects must be defined separately, sets of composing elements are independent, independently functioning, and hence never ultimately function together as sets or as a whole with respect to the suspected factors of entanglement.

As an example, evidence for entanglement is sought in studied neurological processes, as route to explanation, but it is unlikely that any candidate for explanation will maintain a coherency in meaning, but will transgress into dark areas where perceived coherency in information content becomes location dependant, and realistically incoherent with no public meaning, at all perspectives. Thus as outlined identically in Figure 1), a real/actual synergistic product of incoherencies results that does not resemble the model, or potentially any physical model that is construed similarly, or constructed from notions that have mistaken coherencies-it exceeds potential physical interpretation. The existence of simultaneity by virtue of the conception of its' converse, non simultaneity and total randomness, leads to only a pseudo and limited relativity that is ultimately incoherent; a full descriptive nonmathematical relativity evolves if a second level of contrast is made between simultaneous verses non simultaneous events, they entail one another, are entangled to one another-the universe cannot then be one or the other. In the case of relativity theory, mathematical application is in this context a potential tool, only, related to approximations from measurable approximate parameters (of time, distance, volume, temperature etc.) but in no way can it (or the languge of mathematics) constitute descriptive theory- if applied that way loses coherency. Belief in a meaning of mathematics, from its descriptive value and established fitting with the empirical, to application of empirical test to confirm it's logical validity, is intuitively plagued with self defined, self existing entities, extended from an intuitive notion of nature itself as of itself, but only refer to the dogma with a state description to an unknowable, but assumed existing, named state. As an example, dimensional analysis of the red shift data implies a change of position, a distance that most likely does not correspond to a change related to the assumed object or location, but to some topic that by some connection is only tangentially related to it and is unknowable as it is not detected, and it is not logical that one could detect a specific named state and location both indirectly and directly this way. The theory of relativity is also not suited for abandonment either, as the mathematical relations in it have immense practical applicability when divorced from its' broader philosophical implications.

It is important to point out also, that as both intention and ignorance both apply to the law, that we do not know or have witness to all of the consequences of either experimentation, or

application when changes to nature, to the state(s) of matter is (are) imposed with the use of force, and are based on theoretical predictions from the same type of self subscribing theories (includes all current notions) that reduce to contain incoherencies(i.e contain unreal aspects that have no lingual, practical or practical counterparts).

Synergy: Light and Sound

If one, as an approximation considers that immediate perception is restricted to light and sound, confines his investigation of synergy to these agents, he may speculate about some fundamental aspects.

1) If one assumes that the longitudinal is responsible for the existence of the transverse or visa versa, one may make correspondences to figure 1) with respect to a synergy:

a) change in light energy upon motion is of the same order of magnitude as the kinetic energy of a body-is in perceivable units with respect to volumes delineated from the path of a motion and associated path electromagnetic energy utilized. Thus the standard absolute velocity of light has no coherent meaning but as an indication of some net remainder (related to total net potential energy/age/ or motion of the universe).

b) Electromagnetic displacement (a path length associated with utilized energy) and kinetic motion associated displacements act synergistically in a process that characterizes matter. As light radiation is not confined to a one dimensional path, an absolute (but not necessarily integer resultant) value of 2 (difference in total displacement between one directional verses two directional propagation) appears as a universal figure not only from a concept of dimensionality but from many perspectives. All witness associations are via pairs of witness. This (a factor of two) is also reminiscent of the absolute requirement for uniqueness in terms of number of witnesses involved in any event Consequential with two (2) kinds of radiation is a potential integer factor of two as a ratio of their defined physical displacements from a single origin. Radiation can transmit symmetrically twice it's normal distance in all directions with respect to the ordinary motion of a body with a single path.

With the incoherency of theories of simultaneity extrapolated to the energetics of light and sound one can, in the process of concept formation, decide to ignore "entangled" intermediates as possessing simultaneity , as possessing non simultaneity and having no identity. In a telephone conversation I am not entangled with the telephone wire or with any aspect of the means of transmission of communication but I am entangled with the party at the other end of the line.

Actual energy of displacement, now relative to time and not distance, is manifest by unknowable differences (at either end of the line or in any part of the transmission apparatus) that are location related, but publically (i.e. the parties in conversation and all aspects of the wire of transmission) incoherent. Two dimensional space can now be equated with the communicating parties as uniquely extended sets of space of variable surface areas, forces of adherence, and associate parameters related to extension, and necessarily implying also the strict potential for singular unique though not necessarily knowing an identity with respect to position, communication sets of the number of two per set. A displacement of any kind, is in

essence reduced to a fact of relation, the simplest relation set of two; each entailing the other. In this scheme, expansion of the universe, viewed similarly, as a relative matter of it's net occurrence as expanding or contracting bears only an incoherent meaning, but that the net geometry at any given instant reflects the energies of displacement, and is limited by a sphere of radius two, in ratio to the potential sum of associated displacements and resultant kinetic parameters.

c) In this view I have only enumerated the factors potentially involved in the discussed synergy; the net result being the table of the elements, the space occupied and potential physical arrangement of homogeneous or heterogeneous combinations . In light of the discussion, to consider carbon, the building block and structural unit of life, is to consider all if all facts are related to the self and do not (cannot) exceed it, are always about it. Carbon as it is able to transceiver fast occurring displacement to slow displacements must have some property, possible a displacement volume that coincides more exactly with kinetic and electromagnetic parameters (limited by the same factor of two). It has the potential to form four bonds. Two carbon units have six open and two occupied bonds that may be related in bond length to the difference between theoretical lengths of displacements extrapolated to account for potential absent relations and those which exist. Values involved in It's energy relations and bonding potential bearing universal significance with respect to the means of the construction of time-i.e a difference of theoretical potential related to uncertainty, and incoherent legal constraints obtained from skewed considerations of location parameters. One might expect (as fits modern concepts) carbon to have a symmetrical (ideal) relationship in aggregates and yet a familiar incoherent property of its' single existence of some type if one could extrapolate from a synergy existing in sets with respect to singly existing molecules) (kirsh Form Generates Form) that could bear no other feature such that it does not ever know, nor would be data available such that there is a record of its' extended presence bearing any accord to notions related to it's local environment. Thus it must not "know" its existence in pairs, in bonds of any state, to itself, from any potential state or to it's hypothetical singular existence as a single lone atom.

This unique feature of carbon may not be attributable to other elements (less for silicon which is very similar. An important question in reference to this established uniqueness of carbon, one may inquire as to the nature of it's four potential bonding associations with respect to the above discussion concerning uniqueness of witness associations in pairs of two, that if one wished to connect entities together in communications, a transceiver would be construed to have both inputs and outputs. As discussed above, it is conjectured that a carbon-carbon arrangement of four bonds has no means to know inputs from outputs. It's inputs as a transceiver concern both fast electromagnetic radiation (as current in a wire) and slow sound vibrations, each of which must undergo a time dependant change over the interval of input output. If one adheres to the notion of a "being in the darkness" of nature, inputs and outputs are able to have no identity with respect to location, that such differential changes in all parts are not only similar in this respect, and that regardless of "identity" a distance must be elaborated between these the modes of input and output, that this distance must itself, though unknown within the dynamics of the interactions, be uniquely related also to the conceptualized lack of feature.(identityless situation).

Thus with four bonds, two witness pairs demanding sets of two bonds, an average distance between pairs must also have no conjecturable difference in value from the distance associated with a single witness pair. Displacement volumes of the two types of transmission (i.e. slow and fast) are also conjectured to be indistinguishable, polarity of the process provided by polarity of the input signals. The number two is conjectured also to bear an absolute relation not only with respect to carbon, but to all matter, matter containing volume, such that a theoretical single sided self avoiding surface (Kirsh) can be assigned to any processes and is modulated by area, orientation of approach, proximity-i.e the square of distance (D ^"2") of distance along the theoretical surface. From this notion it might be conjectured that such a surface in the carbon molecule entails and is entailed by the descriptions given above regarding coherency and synergism such that the same inherent factor of two relating to matter both relates to its physical radius (as an "unperceived" double of its' single atomic radius) and symmetry and to its' physical volume and displacements volumes discussed above for the two kinds (fast and slow) of transmission. A similar factor of two related to atomic processes of decay also might be related this way in terms of communications between witnesses but is conjectured to have a different character if not opposite/reverse character –attained "awareness" and the acquisition of coherency, and is probably related to large mass and displacement volumes-i.e proximity and confinement.

Carbon as an element of living things, the brain, is postulated to function identically. In its' relation to external carbon composites functioning as transceivers, location parameters are unavailable, but for second sense perceptions from primary input, not only assumed a matter of mental intergration, but a matter ot the same type of described integration suggested to be manifest in the time dependant occurrence of transception - i.e. as properties of time and displacement (volumes and energies). This may be somewhat perplexing if one visualizes with an innate propensity to establish beginning and end points, but if one also views diversity and uniqueness in reverse , as in an atomic decay, and arrives at a thesis of unequal cleavage for the start of things (for example in terms of development and reproduction in the creation of unlikes), one might extend the above notions and concepts of parts and wholes, synergy, to the fact that all process involve time, transmission- time results in change , hence identity(in the case of the carbon atom, if the internally "unperceivable") has no coherent meaning with regards to witness processes, but for the self defined interval involved in transmission. Actual relationships established are via a second sense perception extended from primary inputs and elapsed time - second sense perception emanates from similar "unproved/unprovable" relations in the hearing process. Thus one is able to extract a transceived communication - the intervening elements not a contributing part of the communication content and invisible to it.

2) In light of this model, all processes should be analogous to the situation of the carbon transceiver. The displacement energy of creation of an entity, with respect to fast and slow propagations, should relate simply to it's volume. All points places, things, entities, if able to engage in communications are unable to exchange coherently with respect to location parameters that involve the medium of the communication. If displacement volume is a function of time and distance, and it is such that slow, physical displacements from kinetic energy are about equal to displacements that could be associated with the work accomplished by fast electromagnetic energy, then all processes are confined to transmissions that ubiquitously have invisible intervening elements. In this case , all factors

temporally aligned between input and output have no inputting influence on either, the system becomes, to the intellect, coherently reasonable and communicatable as ratios, and all matters, most importantly matters of science, become to the intellect, in the same manner, a chain of invisible incoherent intermediates, functioning by the same manner as his own perception, as carbon based transmissions are herein described to function, and of which nothing else is pertinent or significant but potentially simple ratios that can suffice for total descriptions, if one conjectures, as proposed, that invisible intermediates have invisible, i.e. incoherent or zero, meaning with respect to the communication-to the total-i.e. input and output. For example, in the simplest example, if one wishes to know the age of the light tested to determine its' velocity from the size of a human, one might be able to arrive at such a figure from the ratio of the volume of a typical person to the cube of the value obtained (though this relationship is ultimately a matter of surfaces, areas, volumes of displacement related to displacement energy-in analogy heavier dense materials, atoms verses the tangible matter we perceive can have properties related to the amount of surface (of a theoretical one sided nature) with respect to occupied volume):

Displacement energy of a human/Total Displacement energy of witnessed light

If the total displacement energy of formation for a human (x) is subtracted from the whole displacement energy of light(T) measured by a human-i.e the resulting remainder after formation = (T-x). x/(T-x) = displacement volume of a human/ total remainder displacement volume of light (a potential integer amount if the total is a multiple of x with a computable limit if a single value can be found for any of the variables), and if the creation of the human species is "simultaneous" with the change in state that defines him as a function of displacement energy consumed from a total available, i.e.-as a potential displacement "human being creation" energy. Elapsed time, in this "single agent process", would bear no coherent meaning and the velocity of light can alternately considered as a physical ratio related to displacement rather than as a standalone value.

As a very crude estimate, consider human volume(as an approximation of energy of displacement)= 6 feet by ¾ feet by 1.5 feet =27/4 cubic feet= 0.1911387144 cubic meters = ~.2 m^3, and the displacement of light as (3 X 10 ^8)^3 (cubic meters/(sec?))(one needs to know the distances employed in the experiment/calculations to determine the velocity of light and what the results mean with respect to the human species, its' evolutionary age, species and/or individual life expectancy.)
(9 * 10 ^ 24)(m^3)/0.2 (m^3)= ~4.5 10 ^25 times the age of (a?) human being(s?)

Though, if a human is viewed as a single surface of finite dimensions, the value of .2 for his volume would be a gross underestimate (i.e. the uncoiled length of DNA in a single human cell is estimated able to extend the distance from the earth to the sun)- and the volume that might be associated with displacement of light would more likely be better estimated from a sphere of a given radius[(c?) (2c?), consider the carbon atom of four potential bonds and two (self indistinguishable) witness pairs. Thus the estimate of 4.5 * 10 ^25 years to a year, light to life respectively, is very crude. The important issue is that the measurement of the velocity of light is a means of communication and study of a communication in which the meaning has to with the identity of the measurer with respect light and energy.

Detailed is argument that all facts, measurements, related to topics of the empirical world, when identified as values, are values restricted to the actions of observation and perception. As facts, even theory constructed from cognitive perception is always value in nature. The aspects of the values attributed from mankind's experience of the world, cannot escape meaning with respect to perception. One cannot extrapolate, induce or deduce, another role of anything that originates or extended from perception, but the actual role that is enacted in the processes of consciousness and living. It is specific. Light for instance, specifically relates to the activities and biology of human beings; the attribution of other generalities in a pretense to define the universe as an abstract entity that are given a general nature, redefine reality, cannot be conceptualized-the actual meaning of such abstractions must relate to failed comprehensions where topics are diverted. These presented facts are not values as they have philosophical meaning which cannot be translated to values, but only employed for their construction. The perceived world cannot escape the senses; philosophical and scientific discussion of light, distant light, sound, etc, if such discussion exists and is coherent then there can be nothing within the topic that is also not contained within the boundaries of the self, relating to the self. The measurement of light from any postulated origin, is inherently confined in meaning by one's ability to conceive it as about the self.

A dog cannot speculate about the nature of light. Aside from curiosities as to whether a dog can think, cognitive extraction of such questions pertaining to specific differences relate to the perceiver, absolute answers are unknowable and the question itself, at it's roots, lacks coherency. If the measurement of the velocity of light has meaning with respect to complexity/age of a species, so does the inclination to pursue scientific study, and such an endeavor, (a dog might be described to also endeavor), could not have a coherent meaning in the cognitive endeavoring of a dog, yet does to human beings. Again simultaneity, if reduced in meaning to describe contrast, (also equal in meaning to it by means of a comparison of correspondences if all contrast is entailed by the perception of time), is appropriately obsolete when one perceives its equal applicability both to scientific curiosity in mathematical physics and to questions of comparison with animals of other species –e.g. poses question about the nature of the mental life of animals. The question attains status of an illusion if one considers that the world does nothing, when it is reflected back to the eye, but speak of, and is confined to all aspects (consciousness and cognitive experience, physical biology, etc) of the nature of the eye that beholds.
As an intuitively originating intellectual notion to accomplish an end, the concept of simultaneity, loses coherency in the reach towards an ultimate concept; a meaningful absolute orientation with respect to other entities, all else, is as incoherent and unknowable as in the carbon atom and its' interrelations.

A wholesome advancement of civilization depends on a better perspective towards, science, the self, and human industries.

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