The Smith of the Gods

24 - « Thus, from Speth's linguistic consciousness, we come to the semantic field and to its development, the research domain of the analyst and cognitivist Christine Hardy. »

240- The theory of semantic fields postulates that all systems, material or living, have a level of semantic organization, and thus posits consciousness as a non-local energy, fundamental in the universe. (explanation): The semantic field is made of constellations. Constellations of relations to the totality. They form the very consistency of consciousness, and it is what history has made of it. A constellation possesses a complex structure. It is linked to the representations of the individual, of his language, his psychology and his beliefs. It fixes itself upon an object which signifies it. It issues from a combination of a universal semic consciousness and of the linguistic consciousness linked to its own biotope. A constellation possesses consciousness of itself. It involves the whole soma of the individual and his memorial entirety, the intimate relation of the psyche with its soma, the capacity of this psyche to escape itself, and finally the spirit of a totality which unites the individual. A constellation is constituted of a multitude of relations to the world and to the Self, converging towards archetypal representations corresponding to acts and to sayings in the social universe. It exists only through the links it contains following the actions, then the remarks, and through the hopes emitted linked to the individual's group of belonging. It constitutes key moments and key places which define us. Meaning being always double and always shifting, constellations have meaning only for a given instant and renew themselves endlessly, sometimes meeting with quantum leaps (being in conformity with the mechanics of fields). The semantic dimension, according to Christine Hardy, thus includes the networks of living meanings (as creative energy) that human beings nourish and create. It is in perpetual evolution, reflecting the changing psycho-mental landscape of humanity, for, as a planetary living memory and a tension towards the future, it is also modified and energized by each new creation of meaning. We thus come to glimpse collective consciousness as a gigantic organized dynamic and semantic network. The natural organization of the living mind thus shows a very great dynamic flexibility, self-organization, and processes of change and evolution, spontaneous connections, inter-influence (contrary to logical and mechanistic cognitive models). These complex dynamics bring into play: the interaction and interpretation of the semantic constellations among themselves, the multitude of possible connections in network, innovation, plurality and dissimilarity, turbulences and underlying patterns, and of course the thresholds of transformation and brutal mutation (the bifurcations, changes of attractors, and emergence of formal “ catastrophes ” described by the theory of form and chaos).

1- Consciousness creates meaning; it is negentropic and organizing in nature, therefore it brings an ordered foundation. Not ordered like a causal mechanism, a frozen geometric

figure, or again a uniform and passive electro-magnetic energy; but ordered in that it is organized dynamically by creative meaning. Indeed, the parameters and the connective dynamics of consciousness do not function according to a Space-time-causality principle, but according to a Space-time-semantic energy principle. This semantic energy, just like Matter-Space-Time-Energy (domain of Hadrons), is of the same nature; this encompasses Fermionic Hadrons (matter) - Phonons (vibration) - Gravitons (Gravitation) and Mesonic Hadrons - Gluon (strong interaction) - Bosons (weak interaction) - Higgs Boson (Mass) - Photons (light) and Psi field (domain of Consciousness); all of the same energetic substance. Let us note that each meta-dimension integrates a dimension of classical space-time into a larger system, making it a sub-system (hence the adequacy of the term meta), just as a 3D manifold folding includes plane-space (length plus width) as a sub-system. Space becomes the configuration in network and in centred dynamic structures. Time becomes a temporal field traversed by rhythms, and the “ semantic energy ” dimension instantiates fluid and a-causal connections of meaning (of which causality is henceforth only a particular type of connection). Thus, the semantic dimension is this ordered and a-causal foundation. There is indeed a multi-ply folding (folded and nested topological space) of quantum fields, deeper than the electromagnetic manifold folding, that is to say a level of quantum organization, characterized by indeterminacy and the superposition of waves/states.

241- There exists however a proportion of disorder in the semantic dimension; these are scattered ideas, dismantled semantic constellations, fragments of ancient myths, abandoned gods. They are also intuitions, ideas, imaginaries which are not yet attached to any current, and finally zones of interference between groups of ideas and of values, forming unclassifiable and disparate hybrids. It is in this fringe of semantic chaos, of disorder filled with unstable, turbulent and dispersed forces and flows, that resides the potential of creativity and innovation of the future, that which will give new syntheses and unprecedented creations. Taking up again the example of the famous mathematician Henri Poincaré in his essay on discovery in mathematics, he had brought to light an unconscious phase of the process which he had named “ incubation ”, sometimes stretching over several days, and which was followed, when the mind was no longer focused on the problem, by a sudden intuitively genius idea which he called “ illumination ”, the famous Eureka! This unconscious work is moreover the reason why so many discoveries have been made through a dream. Thus, the theory of semantic fields explains the phenomenon particularly well. In a constellation, an activated link will itself produce a chaining. Indeed, each analogical element (for example the image of a friend) is itself inserted in a constellation (the constellation of our friendship) which places this element in a context totally different from habit (Africa and no longer France). The spontaneous chaining can therefore continue in the unconscious and awaken other memories; in short, numerous elements of the constellation “ my friend ” are thus activated, which are no longer at all in similitude with my lived experience of the moment, but introduce on the contrary divergence and variety of points of view. Thus, the spontaneous connections activate and first bring out analogies (convergence), then the chaining continues and activates differentiations (divergence). It is these two dynamics of convergence-analogy and divergence-differentiation which give thought the infinite nuances we know it to have

(read “ Difference and Repetition ” by Gilles Deleuze). It is indeed this which allows links to be qualified, that is to say to carry specifications and modulations such as: - different from, - implied in, - contiguous to, - in front of, - at the opposite of, etc. This connective dynamic generated by semantic energy is the foundation of thought. But it is no longer a solely logical thought - it makes use of everything. It is a connective, analogical, symbolic, metaphorical and intuitive thought. It can also be logical, scientific, mathematical. Thus, thought is mostly a-rational.

2- But there is an even deeper level: In the semantic dimension, a second superimplied level, or manifold folding of semantic energy. This deep reality has three meta-dimensions.

A meta-dimension of the communicating centre: the centre is both interior and encompassing (this goes from the point-circle to the “ Russian dolls ” balloon/checkerboard structure in concentrics, up to the “ Klein bottle ” form). Moreover, the law of this meta-dimension is such that all centres communicate among themselves. Consequently, it instantiates the semantic connections annulling spatial distance (phenomena of spatial a-causal synchronicities, phenomena of clairvoyance, remote viewing, etc.). Thus, the archetype of the point and of the circle (Node-circle) is the archetype of the Centre meta-dimension, which instantiates enlarged consciousness (the collective Self) diffusing and interlocking itself into the other centres, the other Selves. It is the dimension of communication between the Selves, and between the Selves and the archetypes. The point-circle forms all individualities (Ipseity, Leibniz's monads, the umbilicus of Thom's form), all organizations into systems, and also the structures in space, and thus this Centre meta-dimension includes 3D space as a sub-system and is constituted as follows:

A meta-dimension of meaning: infusing the whole universe and penetrating all matter. Organization into semantic fields of every being or every system: spontaneous and direct connections of meaning (through semantic energy) between the semantic levels of these systems. These are the connections which are created from semantic level to semantic level in all systems in relation.

A meta-dimension of rhythm: creating an instantaneous connection and relation between exactly similar or harmonic rhythms of semantic energy (multiplication or again change of scale, Doppler effect). In the dimension of rhythm orthogonal to space, all the crests of the circular waves (like a pebble thrown into a lake), and likewise all the echoes or the harmonics of a sound, of a phonon, are simultaneously: existing and answering each other, drawing closer in the dimension of rhythm (parameter of rhythmic proximity, Huygens' convergence-coordination principle).

242- Moreover, a torus of semantic energy creates a resonance of this form/rhythm which is graded like discrete entities reverberating orthogonally to Newtonian space-time. This Rhythm meta-dimension instantiates a temporal field (having a quasi-spatiality, like the one postulated to exist outside Minkowski's cone by general relativity). This temporal field

founds retrocausality, temporal a-causal synchronicities (phenomenon of precognition). It includes Newtonian linear time as a sub-system (inside Minkowski's cone). The semantic dimension is therefore a manifold folding with three meta-dimensions: the centre, meaning, rhythm - a centre-meaning-rhythm manifold folding.

3- Semantic energy infuses the whole universe and all matter, thus it entangles itself with the other manifold foldings, that of quantum mechanics and the electromagnetic manifold folding: semantic energy makes the wave function collapse into a certain state of the quantum system of particles - therefore of matter. Ultimately, it organizes events according to the living order of meaning and of semantic fields. This organizing force is therefore not a causal process, but an influence on the organization of systems, of bio-psycho-mental processes, of human minds, of the consciousnesses of the living, and of the influence on the organization of events.

In fact, it is semantic energy which makes the constellations of " events-taking-form " collapse in the flow of circumstances, tipping them from the state of potentials to the resolved state through its privileged connections with one of the attractors of the context (the gravitational potential necessarily presents a " lower " factor constituting an attractor). Which increases its semantic energy and its weight in the system. This explains the obvious impact of psychic states (which are concentrated and powerful semantic energy) such as self-confidence and optimism heralding liberation, visualization, suggestion, positive thinking, etc. This concentrated semantic energy (through intention, attention and focusing) influences not only our state of mind but also the events of health, success, human relations and our achievements.

One may moreover consider that the wave function (or psi function), which gathers all the possible states of the quantum system by superposing them, could be described by an " event-constellation " (read Albert North Whitehead, " Process and Reality "). The attractors of this system of semantic energy being precisely constituted of the " superposed states " of the psi field. Thus, entangling itself with the electromagnetic manifold folding, we find in it:

a) body-mind interactions (Theory of Penrose and Hameroff on the relation " tubular protein - calcium ion - Bose-Einstein formation " in the reduction of the wave function). Semantic energy interlocks itself into the body and biological matter through multi-level constellations.

b) mind-matter interactions (see Philippe Guillemant's Ur Theory on the Table of supral and paral capacities of particles). Semantic energy creates semantic fields in Newtonian 3D space.

c) the semantic field of a living individual, interlocking itself into the semantic fields of the environment and of matter (the " eco-fields ") and in-forming its local universe, it constitutes itself of the eco-fields as semantic level of all physical, material, ecological and environmental systems.

d) collective Telhar fields (harmonized human group) interlocking themselves into the physical environment in a way similar to the interlocking of individual semantic fields, but in a much more ordered and harmonic way.

4- The semantic fields (specifically the Telhar fields which are highly ordered semantic fields) can sometimes present singular configurations and paradoxical properties born of an extraordinary interlocking of consciousness with space-time and with the electromagnetic manifold folding, down into their sub-quantum psychoid nature in Jung's terminology. These are boundary states of semantic fields (similar to the domain of the CsO, Deleuze and Guattari's " Body without Organs ", for which plenitude is attained by a Brownian multiplicity, teeming with liveliness, giving the vision of a virulent desert landscape, leaving room for no organ).

243- Let us consider two distinct Telhar semantic fields - each involving a different but harmonized human group, the following phenomena then occur:

• " Embedment ": two distinct semantic fields can occupy the same local space; they are superposed and exist simultaneously, each in its fullness of life and meaning, while being however harmonized. Embedment is transversal to 3D space.

• " Spatial attunement " (Harmonization): two semantic fields rooted in two distinct local spaces (for example two distant cities) can be connected at a distance, annulling or collapsing the space between them. Spatial attunement is a type of " spatial " synchronicity which annuls 3D spatial distance.

• " Temporal attunement ": two semantic fields (in two distinct local times) can be connected at a distance, annulling or collapsing the time between them. Temporal attunement is a type of " temporal " synchronicity which annuls Newtonian temporal distance, and allows, among other things, two minds to communicate across time.

5- The dynamic properties of the semantic meta-dimensions:

• It is the Centre-circle meta-dimension (with its double centripetal-centrifugal movement, which presides over the creation/destruction of the big-bang and of the big-crunch). But also, it is the connection of all the Selves in the Telhar fields - simultaneously with the creation of a wide sphere encompassing and delimiting the singularity of the Telhar field in Newtonian 3D space, constituting the " Noos ".

• It is the meta-dimension of Meaning which collapses the quantum system (the wave function) and influences the selection of an event (a specific state of the system).

• It is the meta-dimension of Rhythm-rotation (with its double direct-indirect rotation like the fundamental law of Hadrons or of the Tori of consciousness) which passes information in the

instant independently of time and space, or which influences the configuration of events. It is the meta-dimension through which information is exchanged instantaneously between particles in the EPR paradox, specifically that of the direction of rotation of the spins. It is not really a piece of information of an abstract type like relations of relations (information theory), but a veritable in-formation, a communication through the rhythms and the form of systems in rotation. Thus, to return to the masterly intuition of Jung and of Bergson, that our concepts of space and time must be completely revised, to this are added the concepts of order and above all of causality.

The Rhythm-rotation meta-dimension: Wolfgang Pauli, considered a quantum physicist of the greatest importance, made several essential contributions to physics, including the discovery of the " exclusion " principle, one of the pillars of quantum mechanics. This principle posits that two electrons cannot be found on the same orbit or in the same quantum state.

244- Pauli's conviction that a new " neutral language " is necessary to describe the psyche-matter double reality pushes him to actively research, with Jung, such a formalism. The search for this formalism must therefore be considered an undertaking of the highest importance. Obviously, a formal language of this type is necessarily a theory, postulating dimensions and parameters capable of adequately describing this new scientific domain. The formation of a Torus represents the " organizational closure " of the individual, as it is named in systems theory, and then broadens to become the belt of our harmonized planetary consciousness. " When it links the one to the whole and binds the individual to the collective, the symbolic function of the belt is reintegrated. " Ultimately, Carolle Sédillot tells us, this belt becomes the planetary Ouroboros. The snake biting its tail thus forms a perfect circle around the field of the harmonized consciousnesses of the planet. « Through its crossed structure of sensori-motor processes and of synaptic-endocrine processes, the topological representation of our consciousness forms a Torus. It is the fact that in the table of synaptic-endocrine functions, the top of the endocrine column is looped back with the bottom of the column. Moreover, as the beginning of the line of sensori-motor functions in this table loops back with the end of the line, they reconstitute the topological structure of a Torus of which we cannot have a representation with a clear consciousness, thinking that if A is the cause of B and B is the cause of C, C ends up being the cause of... A and the loop is closed. But when we access collective consciousness, this toric structure constituted of biological processes combined with social and linguistic processes becomes intelligible from the fact that we observe it simultaneously from our interior and from the exterior in the constellated form of an Ouroboros. » As formidably powerful as quantum physics, it still cannot, in its current formalism, integrate and found this interlocked mind-matter reality. And in this sense, it is incomplete. The neutral language - or formalism of a meta-level which will resolve the double reality - will necessarily be a level encompassing current quantum mechanics (this is the " constructivist " point of view of Heinz von Foerster). And not through the mathematical multiplication of too-similar dimensions, but through a radical qualitative transmutation of the postulated dimensions. This could be Stéphane Lupasco's formalism of a

non-commutative space-time in contradictory relations of the dimensions figuring a table of inclusive logics comprising 9 logical connectors in the form of a double nested chiasm. It is therefore in fact inevitable that this transmutation towards an encompassing formalism touches physics just as much as cognitive psychology. The two scientific fields must be radically reconstructed in a formalism which is currently foreign to them. This is necessarily applicable to quantum mechanics and implies that it must therefore detach itself from its solely physical and material focus. This is what Heisenberg had brilliantly foreseen with the concept of observation by an observing consciousness upon the experimentation in progress, an observation modifying the results of the measurement.

But this “ observation ” or observing consciousness was impossible to integrate into the “ per se ” (by itself) formalism of quantum mechanics; on Heisenberg's part it was a true stroke of genius, but theoretically, it was a hypothesis. This hypothesis, that consciousness can have an influence on physical and biological systems, was on the other hand tested and proven repeatedly in experimentations of the psi field (example of the GRD counter). As Jung says, aware that the terms “ matter ” and “ psyche ” are, ultimately, only representations and concepts which help us to understand and control a far more complex reality - and therefore that physics and psychology are only formalisms. « We really have every reason to suppose that there must be only one universe in which psyche and matter are one and the same thing, and in which we make a distinction for purposes of knowledge. » Or again « Scientific explanation will have to start firstly with a critique of our concepts of space and time, and secondly with the unconscious. » Let us reread also this essential thought of Pauli, focusing on the second part of his sentence: « It also seems to me necessary to gradually elaborate a single new psycho-physical language serving to describe in a symbolic way an invisible, potential reality which can only be perceived indirectly through its various actions. » He had repeated intuitions about rhythm as a veritable dimension in itself, allowing communication at great distance. Thus, the Rhythm-Rotation meta-dimension is applied to EPR entanglement. Let us posit the law and the basic principles of the rhythm meta-dimension:

• Every regular dynamic rotation of a system creates a rhythmic entity in the meta-dimension of Rhythm. For example, the orbits of electrons are in fact a complex and plural rhythm-system; but likewise every planet (two basic rhythms: rotation and revolution), solar system (complex rhythm of all the orbiting planets), galaxy, etc.

• To the Rhythm parameter is attached the parameter of the direction of rotation (spin).

• In the non-local meta-dimension of Rhythm, all identical rhythms communicate among themselves, and all identical but exactly inverse rhythms are entangled. (It is the opposition of rotation which maintains the entangled system and the whole hourglass in the semantic energy manifold.)

• When atoms lose electrons, or when photons, phonons, bosons are ejected, there is a Rhythm entity which is ejected, possessing a signature and a unique Rhythm energy (results

which are found in the works on Ernst Chladni's cymatics).

• Regular rotation encompasses not only circles and ellipses, but also spirals, Torus forms, rings, and their mixtures (double rotation, figure-eight form, Möbius rings, double crossed eight, stellar systems with two stars, double dorje, etc.).

• Linear systems in rotation with regular change of period (linear growth or decrease), regular systems with two or more phases, chaotic (non-linear) attractors of the butterfly, cusp, swallowtail, elliptical, hyperbolic or parabolic umbilic type (including their bifurcations), all these systems have a specific rhythmic signature in the Rhythm dimension.

• Numbers - some of their formal characteristics in their assemblies into systems (fractals, base 3 or 4 mandalas, and their multiples) - and certain formal proportions (golden number, Fibonacci sequence or phi proportion) also have a signature in the rhythm dimension. In fact, the whole sacred geometry of Pythagoras and of ancient Greece, all the sacred architecture of the world, must be restudied in this new light (consider the works of Rudolf Steiner and of Goethe, quite obviously).

• The forms espousing these rhythms in organic and non-organic matter are in relation in the Rhythm dimension, whatever their scale, their texture, their complexity and their minute variations: crystals, the mandalas that flowers are, spiral seashells, but also temples, the rose windows of cathedrals, domes.

245- The entangled EPR system, formalized as a single system in the Rhythm meta-dimension, whatever the distance in Newtonian space-time, is represented as an hourglass with two tops spinning in opposite directions. Let us therefore posit a sketch of application of the formalism of the Rhythm-Rotation meta-dimension to the entanglement of particles in the experimentations on the EPR paradox. For the question of the impossibility of exceeding the speed of light in the transmission of information between entangled particles constituting the EPR paradox, a thought experiment sheds light on this question. One needs first of all an emitting particle like a Cooper particle emitting a multiple of 2 of new particles which will be intimately linked to it, forming a loving system constituted of a triangle between the point O of origin and its partners “ A ” and “ B ” of the entangled system. This point O of origin emitting a beam towards its partner “ A ”, placed at 600,000 kilometres from point O, a piece of information of state of “ A ” will take only the time of rotation of a half-spin of the particle of origin O to orient itself towards partner “ B ” and cover the 1,200,000 theoretical kilometres which now separate them. The whole forming the structure of a cone in Newtonian geometry. Let us take the Rhythm meta-dimension. Let us call ETN the Newtonian space-time (3D+1D dimension in heteronomous relation); this double structure is the same as the “ funnel (vortex) of semantic energy ” (it is a funnel or hourglass-shaped structure described in Minkowski space), it is therefore an archetypal form of the semantic energy manifold, which also exists in the “ X-Funnel ” (Trounoir/Troublanc system adding or subtracting a dimension of space-time, the Big-Bang/Big-Crunch and the

Janus-structured Matter/anti-matter of Jean-Pierre Petit). Let us see for example how the EPR paradox can be described in this reading grid: Let us consider two entangled particles (therefore with inverse rotations or spins) as a single rhythmic system. We have a kind of hourglass formed of two tops spinning in opposite directions, but according to the same rhythm (the same minute frequency).

For any single particle, the rotation on a frequency is the single Rhythm meta-dimension.

For an entangled system, it is the double rotation in opposite directions which is the Rhythm parameter. Quantum entanglement can only admit multiples of 2. There is an entangled Rhythm of 4 particles - double hourglass, or double dorje (evoking the facets of a cut of two diamonds in mirror): archetype form of the Rhythm meta-dimension. In the non-local meta-dimension of rhythm, all quasi-identical rhythms communicate among themselves, and all quasi-identical but exactly inverse rhythms are entangled, as well as the whole hourglass in the manifold of semantic energy. This manifold is constituted of seven to eight superposed layers
logical/numeral/emotional-indicative/symbolic/somatic-linguistic/physico-material/psychic/spiritual
forming a quantum of meaning. Here, we have 2 particles coupled through their identical but inverse rhythm. When the Newtonian space (the distance) grows between them due to their moving apart in space (the 3D manifold), their double rhythm remains a single and coupled entity in the Rhythm meta-dimension and the manifold of semantic energy. If one of the 2 spins is mechanically or artificially reversed, the other instantaneously reverses itself in order to maintain the integrity of the rhythmic system, because in the meta-dimension of rhythm, their double rhythm is single and continues to answer and entangle itself, whatever the distance parameter N. These two rhythms are entangled in a meta-dimension which has nothing to do with the Newtonian space-time dimension. That is to say that it is not particles “ A ” and “ B ” which are in entanglement, but their double-rhythm. In fact, disturbing one of the 2 spins amounts to overturning the whole hourglass.