

A Review of ISSSEEM 2009 in the Context of Theoretical Framework Development Report for 2010 ISSEEM Conference, Member's Choice Forum & the TF-IEG

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PURPOSES:

- 1) To make available to assembled IEG members and the ISSSEEM body in general, progress in the development of theoretical framework/s.
- 2) To work through the organization and process of Member's-choice forum continuity (especially IEGs) from one conference to the next, i.e., space logistics, scheduling, common support, etc.

CONTEXT: The process of devising scientific theoretical frameworks for emerging MESTIC¹ science explicitly **demands recognition and inclusion of the spiritual element of human consciousness**. A significant start at augmenting MEST science with consideration of the spiritual has been made with Tiller's work as laid out in his books since 2001 and publication of *Conscious Acts of Creation*. The 2009 conference provided several exciting developments with the presentations of Mae-Wan Ho, Tiller, Iris Bell, Claude Swanson, Jim Oschman, Rustom Roy, Deepak Chopra and others.

SALIENT POINTS:

- 1) Recognition of 'The Parade of Paradigms': In *The Structure of Scientific Revolutions* Thomas Kuhn became the 'observer' of the transition from one mode of scientific thinking to another. Kurt Gödel's Insufficiency Theorem, itself a product of human consciousness, can be seen as the theoretical precursor of his observations, in that it lends insight into the logical processes by which humans self-attach/ self-identify with the development of better scientific explanations as a result of their great expenditure of psychic energy to create and advance those explanations.
- 2) Mae-Wan Ho's Contributions: A review of her biophysical work [as recommended by her] encapsulated in *The Rainbow and the Worm* (3rd printing, 2008), especially on energy flows and their dynamic storage, the application of liquid crystal theory to biostructures, and insights into

¹ MESTIC is an acronym deriving from Tiller's explicit inclusion of **Information and Consciousness** in addition to **Matter-Energy, Space and Time** of the currently dominant MEST paradigm.

protonic flows and protonic ordering-in-tissue-structure, finds that she stretches MEST science to its explanatory limits. Tiller has presented an archetypal process of expansion of outlook that supplements and expands upon her work.

3) Tiller's Contributions: In his writings Tiller has proposed that there is observable effect of consciousness that can change physical properties of inert or living biological material independently of physical action and has experimentally demonstrated instances of this. His primary theme can be restated thusly:

$$\text{Physics} = \text{Physics}_{U-1} + \alpha \text{Physics}_{SU-2}$$

Where Physics_{U-1} and Physics_{SU-2} are both internally consistent but quite different in nature. U-1 symbolizes the informational connectivity, hence the nature of valid formalisms, of our commonly experienced causal relationships. SU-2 symbolizes the informational connectivity of the mentally effected regime, hence the nature of valid formalisms for that regime. Alpha (α) varying between zero and one that reflects the action of focused mental intention. Using a traditional strategy to increase the descriptive power of formalisms, he **postulates**² a quantum-like particle of 'intention-substance', which he names the *deltron*, as the mediator of the mental effect and develops therefrom his theoretical and experimental approaches in the context of basic quantum concepts (i.e. the DeBroglie relation and the inverted mirror concept) and his original 'biobodysuit', which expressly includes **emotion, mind and spirit** as well as space-time.

The process pattern of Tiller's creative actions hints at a strategy that should be applicable to the investigation of the interactions between in-formation and biological energies, which seems to be the next great arena of subtle energy investigation; as we proceed in this investigation it should be held in mind that ultimately we are investigating the **nous, the ancient Greek name for that spiritual feature of our consciousness that enables humans to create order out of chaos.**

4) Others:

- a) Iris Bell reminded us of the non-linear nature of complex systems that accompany many pertinent variables (some difficult to perceive) and degrees of entanglement among them. Tiller's exploration of U-1 to SU-2 informational inteconnectivity may prove a prototype to attack problems first identified as mathematical singularities in formalistic models (i.e. the development of quantum electrodynamics) or as paradoxes/ contradictions in verbal descriptions of systems (the timelessness/ instantaneity of the quantum jump of atomic electrons from one orbit to another).

² The very act of postulating a basis for a revised formalism requires spirit manifested as the willingness to go beyond conventional wisdom in search of new knowledge.

- b) Claude Swanson introduced the emerging science of 'Torsion' to ISSSEEM. On-web articles describe Torsion as a relatively newly discovered set of interactions between electric, magnetic and gravitational spins. Theory development and experimentation is most active in Russia, and a curtain of official security seemingly reminiscent of Cold War times has been installed on international scientific interaction. There has been some Kuhnesque reaction from the dominant Russian establishment condemning irresponsible claims for the new outlook. However, two features Claude reported are of interest to ISSSEEM: I) Indicators of past, present and future values of spins, which might provide a formalistic method of analyzing the interactions which go on in the bioconstructive process of the embryo.³ II) Spin reversals seem to occur at the apex of the common EEG and EKG traces. These two characteristics could conceivably interact in the coherences of heart rate variability now being utilized by HeartMath.
- c) Jim Oschman, Rustum Roy and Deepak Chopra all discussed emerging biophysics that stresses coherent oscillatory patterns derived from dynamic Fourier Transfer analyses that yield insights into the dynamics of living microphysiology. The rhythms of the Fourier patterns suggest the actions of the sol-gel cycle (Mae-Wan Ho's liquid crystals). Also mentioned was recognition of the presence in tissue of dissociated water in the form $2H^+ + 2e^- + O$, which allows the oxygen to recombine (i.e. to 'burn' biologically) with fuel (biological hydrogen or carbon), thus releasing thermal heat. Such heat energy seems to be manifest as 'healer's heat, the means by which some Buddhist monks are trained to support unusual cold, and possibly also the state of consciousness adopted by hibernating animals. Further, such protons should play a significant part in supporting or initiating the protonic currents that Mae-Wan Ho describes. This 'water burning' phenomenon was first brought to ISSSEEM's attention by Leonid Voeikov in a paper presented in 2004, but the new information provides further context.

Very Respectfully,

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³ See my analysis, A Formalistic Review of Plenal-Biological Interactions of April 2006. Two clear steps of embryogenesis – the X/Y chromosome sexual selection process and the cortical neuron, manufacture, transport and location process – exhibit the need of the bioconstructive process overall to access the past (refer to the 'plan') and execute the next steps (act to realize that plan) in a way informatively analogous to our human way of proceeding with complex manufacturing.