

TF-IEG Update #3

5/7/10

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The fundamental purpose I had in mind in setting up this IEG with the help of Col. Garvin McCurdy was to discover/develop a theoretical framework for a science of subtle energies (SSE). Given how little you've heard from us this past year, you would be excused in thinking that no progress was being made—quite the contrary, I feel. I'll here try to outline the major events of this past year and why I'm more optimistic than ever that we're on the verge of a breakthrough.

The ISSSEEM Conference in June was a rich feast, as usual—tons of new material to take aboard and try to digest. With the perspective of almost a year now, presentations that were especially important for me in terms of this TF-IEG and the SSE included the following:

- a lively panel exchange on Research Day between Jim Oshman, Bill Tiller, Claude Swanson, and Mae-Wan Ho made it clear that there is as yet no unanimity on the role of QM in subtle energy phenomena;
- Biophysicist Mae-Wan Ho's keynote gave deep insight into how dramatically "science of the organism" contrasts with "life as mechanism" and her concept of "quantum jazz" being played by living tissue across 70 octaves beautifully illustrates the difference;
- Materials scientist Rustum Roy made many important points—a key one being that thermodynamics is still being taught without vector or tensor variables—"amazingly"—and "human intention is a vector field";
- Physicist Claude Swanson gave an update on his ongoing research into the advanced subtle energy work going on in Russia with "torsion"—a neglected feature of EM that becomes critically important when consciousness is concerned;
- Deepak Chopra gave a lucid talk—an extended excerpt of which has just appeared in the latest issue of Bridges—available [here](#) for free download.
- A final highlight for me was Jim Oshman's Presidential Address that featured a delightful glimpse into his years with Albert Szent-Györgyi at Woods Hole and the *Living Matrix* ideas that Jim has built upon the inspiration of his mentor's neglected work on near-instantaneous electrical communication in higher organisms.

In October, I presented "The Anthropic Cosmological Timeline is Basis for the Science of Nonduality" at the [Science & Nonduality Conference](#) (SAND) in San Rafael. You can view, listen, or read the [presentation](#) on my website—it gives a fairly technical overview of my best thinking at the time, in the language of "nonduality," as to what I now think is likely to turn out to be a comprehensive theoretical framework for SSE.

I was thrilled to have in my audience one of the world's leading theoretical topologists, Louis H. Kauffman. In an extensive later conversation, Lou was able to confirm a hunch that I suspect may be key for SSE: that there is a deep topological paradox in higher mathematics whereby *the outer can be nested within the inner*—reflect on that for a few minutes—you'll see it might take some getting used to!

Also discovered at SAND was a book, just published by Lou as Vol. 43 in his series "Knots & Everything," **The Holographic Anthropic Multiverse: Formalizing the Complex Geometry of Reality**, by physicists Richard Amoroso and ("ISSSEEM's own") Elizabeth Rauscher. The coincidence was striking—given the title of my talk. As a result, I spent the rest of the Fall and winter studying Richard Amoroso's extensive

and wide-ranging publications and enjoyed a series of lengthy conversations with him at his home in Oakland. I was looking for ways in which his research might serve the purposes of our TF-IEG. Although this was a highly educational challenge for me—given that I am neither a physicist nor a mathematician—it did become even clearer to me that in the domain of mathematical physics lie many fascinating “objects” that are likely to have great bearing in the future on our development of SSE. (Additionally, Richard is convinced that the Big Bang theory is a wrong interpretation of the observational evidence—and so I may begin using “Hubble Time” in lieu of “Big Bang” in my work.)

In late February I was asked by Matthew Gilbert, communications manager of the Institute for Noetic Sciences (IONS), to share my thoughts on the state of the art regarding the “science of subtle energies.” I’d been in dialog over the past several years with IONS Senior Scientist Dean Radin on related topics and Dean had me cc Matthew on several of my emails. My brief summary—“The Emerging Science of Subtle Energy”—was just published in **The Noetic Post**—a new print bulletin for IONS members. In this article I call for “new conference series, online resources, and publications devoted to *critical debate* between those who are seriously attempting to develop *rigorous scientific theories* of subtle energy and those who are attempting to discover reliable ways to detect and measure them.” (As soon as the article is available for electronic circulation, I’ll be sending it out to the TF-IEG.) This writing prompted much further reflection on my part that eventuated in the following:

It is increasingly clear to me that the backward-looking logarithmic timeline I’ve been contemplating since late 2006—variously called *The SummaTime Scale* or *The Anthropic Cosmological Timeline*, and first presented at ISSSEEM in 2008, updated at Research Day in 2009, and further elaborated at the SAND conference as reported above—can be the basis for a robust new scientific approach to subtle (and causal, and non-dual) energies. To this end, the Board of the Yoga Research & Education Foundation has encouraged me to take full control of our program, rename it the Yoga Science Foundation, and direct our resources to developing and advocating the “All-Time Scale” approach to understanding the epochal convergence of esoteric spirituality and healing (from whence the term “subtle energy” comes) with our contemporary most sophisticated sciences.

More on what happens next as time allows.

Best wishes,

Scott