

The Esoteric Science of Triangles and Causative Dynamic Triangulation

My goal today is challenging for us all. I will attempt to relate the esoteric Science of Triangles to some quantum research. I will use what I hope is not-too-scary summations from an article in *Scientific American* magazine in 2008. The theme of that article is a theory known as “Causal Dynamical Triangulation.”

I have been quite smitten with the name of this theory since I first read about it in its developmental stages - about 2004. Neither then nor now do I fully comprehend the details. Nevertheless, its attraction to me is as follows:

1. **Causal:** the soul works through the Causal Body.
2. **Dynamical:** the Will is dynamic in quality. It comes into action initially with the construction of the Antahkarana, that bridge in consciousness across the mental planes, whereon the causal body of the soul is located.
3. **Triangulation:** The Soul is called Triangles in the Secret Doctrine. And Triangles is our reason for meeting at these webinars.

The Tibetan tells us that “[T]he world of meaning is the world in which the soul lives and moves with intention and understanding...” Intimately linked to the world of meaning is, I think, the Law of Analogy, to which the Tibetan refers. The value of analogy to learning is explored in a book titled: *Surfaces and Essences: Analogy as the Fuel and Fire of Thinking*. The authors give substantial evidence that analogy is the way humans learn best and quickest. Learning leads to understanding and ultimately to the world of meaning. Analogy keeps our individual will free to accept or reject.

I hope to deepen my listeners’ appreciation of the practicality of co-participation in this esoteric science of Triangles, “so close to the heart of Hierarchy.”

Many of you are no doubt familiar with many of the Tibetan’s statements about Triangles. Nevertheless, as a prelude to presenting the information on Causal Dynamical Triangulation, I want to review a few of His quotes about Triangles. These quotes present esoteric concepts particularly analogous to Causal Dynamical Triangulation. Try to hold these concepts in your mind once we leave the Tibetan’s quotes and bridge to the article.

...the whole science of Triangles relates entirely to subjective energies as they condition the consciousness ...

the Plan is...dynamic substance providing the content of the reservoir of thought upon which [one] can draw.

The Plan constitutes or is composed of the substance in which the Members of the Hierarchy consistently work...The Plan IS substance. It is essentially substantial energy...Recipients of the desired impression must become sensitive to this substantial energy...

...as the work of the Triangles grows and the network spreads all over the Earth, the idea of a downpouring of light and goodwill ... can be looked for; nothing can prevent the appearance of the expected results, for the eternal law holds good. The formation of the Triangles of Light and of Goodwill [is]essentially the manipulation of energy into a desired thought pattern...

...every human thought, whether the potent mass thoughts or individual dynamic ideas, must eventually emerge objectively on the physical plane. This is an inevitable and unalterable rule and due consideration of this law which governs mental substance will show the danger of wrong thought and the power of right...

With the above concepts of in mind, let's wade into – with a deep breath and as gently as we can* – Causal Dynamical Triangulation^{1,2}:

“Quantum theory and Einstein’s general theory of relativity are famously at loggerheads. Physicists have long tried to reconcile them...with only limited success. [This] new approach introduces...a novel way to apply existing laws to individual [particles] of space-time. The [particles] fall into place of their own accord, like molecules in a crystal. This approach shows how four--dimensional space-time as we know it can emerge dynamically from more basic ingredients...

“[Causal Dynamical Triangulation]...is a modern version of the Euclidean [that is, basic geometry] approach. It approximates space-time as a mosaic of triangles, which have a built-in distinction between space and time....

“To determine how space sculpts itself, physicists first need a way to describe its shape. They do so using triangles and their higher-dimensional analogues, a mosaic of which can readily approximate a curved shape...

“When constructing shapes from triangles...the authors have discovered that the triangles must follow certain rules for the [resulting structure] to match what we observe. [The physical world as we see and experience it w.s.] In particular, the triangles must have a built-in arrow of time - [they must exhibit causality- w.s.]...

“What is causality? Causality is the principle that events occur in a specific temporal sequence of cause and effect, rather than as a haphazard jumble. [What this means is that without inserting causality, researchers’ computations do not render a world as we see it and know it from quantum substance. They end up with a haphazard jumbled world – w.s.]. In the authors’ approach... the distinction between cause and effect is fundamental to nature, rather than a derived property.

“When physicists add the rule that adjacent triangles must have a consistent notion of time—so that cause and effect are unambiguously distinguished—the outcome is a four--dimensional spacetime that looks tantalizingly like our universe.”^{1, *}

In closing, the Tibetan told us that “The fission of the nucleus of the atom in the past few years is the outer sign or demonstration that humanity has ‘encompassed’ the divine Mind...” This seems to me to be a reference to the quantum world, at least in its lowest aspect. Much of the work associated with fission science was and is related to quantum mechanics - that world which undergirds the physical world in which we “live and move and have our being.” That Divine Mind surely is the “substance” from which the Hierarchy draws, and the network of Triangles can be the impressed distributor. Through our service in Triangles, we are initiating a group-network effort at what the Agni Yoga teachings call “co-measurement.”³

¹ <https://www.scientificamerican.com/article/the-self-organizing-quantum-universe/>

² [Here is a free summary on Wikipedia \(https://en.wikipedia.org/wiki/Causal_dynamical_triangulation\)](https://en.wikipedia.org/wiki/Causal_dynamical_triangulation). Much shorter, although perhaps too short. But there are links and this is a good introduction. It also provides counter arguments from scientists.

Here is the link for “[pyramidal tracts](https://en.wikipedia.org/wiki/Pyramidal_tracts)” (https://en.wikipedia.org/wiki/Pyramidal_tracts) But in order to find the picture for the pyramidal cells in the four layers of the cerebral cortex, you will have to go [here \(https://en.wikipedia.org/wiki/Cerebral_cortex\)](https://en.wikipedia.org/wiki/Cerebral_cortex) and scroll down. The two articles will give a larger understanding.

³ Here is the [link to “co-measurement” search \(http://agniyoga.org/ay_en/search/search-result.php?lomg1=on&lomg2=on&comm=on&ay=on&inf1=on&inf2=on&hier=on&heart=on&fw1=on&fw2=on&fw3=on&aum=on&broth=on&supm=on&crossroads=on&lohr1=on&lohr2=on&search_string=co-measurement&wholeWord=on\)](http://agniyoga.org/ay_en/search/search-result.php?lomg1=on&lomg2=on&comm=on&ay=on&inf1=on&inf2=on&hier=on&heart=on&fw1=on&fw2=on&fw3=on&aum=on&broth=on&supm=on&crossroads=on&lohr1=on&lohr2=on&search_string=co-measurement&wholeWord=on)

*I am not – not – a scientist of this ilk. Nor am I a mathematician. It was in a very obscure – well, to me - mathematics journal that a friend at the time shared with me, aware of my interest. This was about 2004. THAT was a challenging article. I went

<W.Sterba>

MEGO – my eyes glazed over!! But the essence of its potential was “between the lines,” as they say. Reading the SCIAM 2008 issue was a great help.