**THE QUANTUM VACUUM**

**by**

**Marguerite dar Boggia**

 Most people have no idea of what a quantum vacuum signifies.

 What is a quantum? Science defines a quantum or quanta (plural) as discrete quantities of energy proportional in magnitude to the frequency of radiation that they represent.

 Occultism calls the 'quanta' of physics as the TRUE ATOMS, which are BEYOND the level of physical differentiation. These unextended points are **zero points**, a condition or place where certain processes occur. It is not simply a 'point particle' but **a whole inner world where influences and forces emerge from deeper levels of being into physical manifestation.**1

What science calls a ZERO POINT, the Ageless Wisdom teachings call a LAYA CENTER. It is the realm of absolute negativeness, or the one REAL ABSOLUTE FORCE...the neutral axis, not one of the many aspects, but its Center.2

Scientists study these sub-atomic particles at zero degrees temperature in the quantum vacuum. In one experiment, they had one atom separated from its twin. They found that an atom can communicate with its twin even if it was in another country. This became the non-locality theory.

 Ever since Albert Einstein put forth his theory of special and general relativity, scientists, through their Quantum Vacuum have come closer to the Ageless Wisdom Teachings as set forth by Madame H.P. Blavatsky in her book "The Secret Doctrine" and in "A Treatise on Cosmic Fire" by the Ascended Tibetan Master, Dwjhal Kuhl who wrote through Alice A. Bailey, using mental telepathy. The Tibetan Master also helped Blavatsky with some of the scientific portions of her book "The Secret Doctrine".

 On the wholeness of reality: Whereas occultism began with an Omnipresent, Eternal, Boundless and Immutable PRINCIPLE and derived the manifold from the ONE, science began with the MANY--the manifest phenomena of nature. It strives towards understanding the ultimate causes and universal principles through the Quantum Vacuum.

 The following are a few instances where science and occultism concur:

 The wholeness of reality is also intrinsic to the theories of quantum physics itself, as all elements are part of one overall quantum system emerging from a SINGLET STATE.3

 The Ageless Wisdom Teachings also believe that the universe emerged from a singlet state. The fundamental dogma of occultism is universal UNITY.4

 The Ageless Wisdom teaches that the Boundless Eternal Parent Space is an absolute Space, the source of innumerable sparks of self-existence that emerge out of Non-Being. It is the VOID (seemingly empty) and the divine PLENUM.

 In the terminology of physicists, the Eternal Parent Space is a "hyperspace," or the "big foam" of the Quantum Vacuum with its zero point fields. It is not manifest 'in' the external space/time dimensions, as we ordinarily conceive of these, but rather it underlies and sustains them.5 The Quantum Vacuum is both the VOID and the PLENUM the nothingness and its potencies. One modern physicist declares: *The whole of physics is in the vacuum.*5a

 The Ageless Wisdom Teachings state that all forms in the solar system are part of the whole and are not isolated units.6

 Dr. David Bohm in his book: *"Wholeness and the Implicate Order*" posits that the entire universe has to be understood as a **single undivided whole**.7

 The interrelatedness of all things have profound implications for the study of both physics and human consciousness. Bohm called the unmanifest planes or dimensions as the implicate order and the outward manifest physical reality, as the explicate order. Manifest reality is but a shadow of the deeper underlying realities.8

 On the Akashic Field: --- According to Hindu teaching, Deity in the shape of Aether (Akasa) pervades all things. . . The whole range of physical phenomena proceeds from the Primacy of Ether -- Akasa. . .9

 The definition of Akasa aka Akasha aka Aether: It is the synthesis of ether, the essence of ether, it is the primordial ether. **It is the third Logos in manifestation**. Blavatsky defines akasha in the following terms: It is the **Universal Soul,** the Matrix of the universe, the Mysticum Magicum **from which all that exists is born by separation or differentiation**. There is one universal element with its differentiations.10

 Dr. Ervin Laszlo, in "*Science and the Akashic Field: An Integral Theory of Everything*" comes closest to the ideas of the aether as propounded by the Ageless Wisdom Teachings. Laszlo explains that in the "disenchanted world. . . inert matter moves impersonally against a backdrop of passive space"--the familiar mechanist and materialist science. In contrast, in the "enchanted world" revealed by modern physics, biological science, paranormal and consciousness studies, "the universe, with all things in it, is a **quasi-living**, and a **coherent whole. All things in it are connected**."11 The medium for this interconnectedness is the Akashic field within the quantum vacuum, which interpenetrates and sustains all physical manifestation.12

 The Ageless Wisdom teaches that: Absolute Intelligence thrills through every atom. Wherever there is an atom of matter, there is life. The atom is a concrete manifestation of the Universal Energy; Every atom in the universe has the potential of self-consciousness. Atoms and souls are synonymous in the language of Initiates. Deity is within all atoms. Atoms are vibrations. There is heat in every atom. A germ exists in the center of every atom. Every atom is doomed to incessant differentiation. The atom belongs wholly to the domain of metaphysics. The object of evolution of an atom is Man. An atom has seven planes of being.13 **Matter or Substance is** **septenary** within our World, as it is so beyond it.14

 The quantum void/plenum in its nature as the Eternal Parent Space, has an inherent **seven-fold nature**. This is profound teaching of the archaic wisdom traditions which anticipates the most startling and revolutionary ideas emerging within science in the 21st century.15

 Seven hidden dimensions of the universe. . . have been proposed in a theory that seeks to unify the forces of nature. . . (the seven hidden dimensions) can be pictured as a small, compact structure such as a sphere that is associated with every point in space and every moment in time**.**16

 T. P. Davies states "There is no question of, say, an atom going off round the (7 hidden) dimensions. Rather, we should think of the extra dimensions as somehow **INSIDE the atom.**17

 On Gravity: Physicists are currently searching for the 'dark matter' or 'dark energy' which might close the universe through the effects of gravity.18

 Blavatsky as early as 1877 in "Isis Unveiled", objected to the scientific view of gravity as the key force underlying the formation of the solar system.19 There is no gravitation in the Newtonian sense, but only magnetic attraction and repulsion; and that it is by their MAGNETISM that the planets of the solar system have their motions regulated in their respective orbits by the still more powerful magnetism of the sun, NOT by their weight or gravitation.20 Blavatsky states that gravity has nothing to do with the close of the universe.

 Occultists see in the two opposite Forces of attraction and repulsion only two aspects of the universal unit, called "MANIFESTING MIND"; in which aspect, occultism, through its great seers, perceives an innumerable host of operative Beings; ..... Entities, whose essence, in its dual nature, is the Cause of all terrestrial phenomena. For that essence is co-substantial with the universal Electric Ocean, which is LIFE.21

 Blavatsky suggests an expanding Kosmos emerging out of the Eternal Parent Space from a POINT SOURCE and ultimately contracting again to be reabsorbed at end of time into such a zero point laya center.22

 Scientists believe that a cosmos emerges and dissolves back through POINT SOURCES. However there are significant differences between the perspectives of occultism and the theories of modern times.

 Firstly, modern scientists situate singularities or the zero point state, only at the beginning of time and possibly at the end, but do not consider the possibility that they are *constant throughout* time.

 In contrast, Blavatsky maintains that the singularity or zero point state and condition is present throughout the whole period of manifestation. **Living cosmoses are "*founded upon such zero point laya centers*" represented by the singularity**.23 Physicists and astrophysicists describe the first instant of creation when the universe was 10-43 seconds old and less than a billion times smaller than the diameter of a proton in size, 10-33 cm! Such an infinitesimally small point source is called a **singularity.** Scientists propose that our vast universe had just such zero point or singularity origins.23a

 Nikola Tesla in 1889 was the first to propose that the Akashic energy might be harnessed for useful work. In the forthcoming Golden Age, scientists will use the earth's zero point (chakra) laya centers to provide free energy, making possible time travel, space travel, teleportation, etc. for the benefit of humanity. This was and is the forecast made by Hindu, Zoroastrian and other Sages of the past.24

 There are many other theories and beliefs upon which scientists and occultism agree, such as black holes, the uncertainty principle, non-locality, etc. Although modern science still has had no concept of Spiritual or Divine Intelligences operative within the Cosmos and the laws of nature, I am certain that eventually, that will change.

 The Ageless Wisdom Teachings are not for everyone; however, if you are ready to expand your consciousness, you may receive approximately three FREE pages weekly online of these teachings, by contacting **www.FreePythagorasTeachings.com**

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*Marguerite dar Boggia* was past Secretary, Membership Secretary and Director for ISAR, the International Society for Astrological Research. She was the Publisher of Kosmos, the ISAR journal. She was a co-founder of UAC and its past Secretary and Director. Her goal is to serve humanity and the spiritual Hierarchy of our planet. To that end, she offers **FREE, online**, **three pages weekly** of the Ageless Wisdom Teachings as was known by **Pythagoras**. If you wish to receive these teachings, contact her website **www.FreePythagorasTeachings.com**, which website, she created at the age of 90.

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13Ibid, Bailey p. 246

14Ibid, Blavatsky S.D. p. 289

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19Ibid Holmes, p. 110

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22Ibid Holmes p. 146

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