

HOLISTIC QUANTUM-HOLOGRAPHIC FRAMEWORK FOR SPIRITUALITY

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Abstract. The subject of this paper is integrative quantum-holographic framework for spirituality, arisen by scientific interest for investigation of the phenomenon of consciousness in the past decades. The presented framework might have significant holistic implications, enabling quantum-holographic fractal-information coupling of various hierarchical levels in Nature, and predicting two cognitive modes, classically-reduced rationally-scientific (in normal states of consciousness) and quantum-coherent creative-religious (in altered and transitional states of consciousness). Our approach can also account for real origin of esoteric notions of various traditions of East and West, including space-time-transcending collapse-like quantum-gravitationally-induced and consciousness-channeled transpersonal interactions, and psychokinetic phenomena. The necessity of re-consideration of educational/informational/political goals of our civilization, with re-orientation towards spiritual-holistic gentle actions for global solutions of the global risk society is also pointed out.

Keywords: *Acupuncture system; Consciousness; Integrative biophysics; Quantum-holographic informatics; Quantum-gravitational collapse; Transpersonal interactions; Psychokinetic phenomena; Spiritual implications.*

Introduction

The prevailing scientific paradigm considers information processing within the central nervous system as occurring through *hierarchically organized and interconnected neural networks* [1,2]. It seems that this hierarchy of biological neural networks is going down sub-cellular *cytoskeleton* level, being according to some scientists a kind of *interface* between *neural* and *quantum* levels [3] – where *quantum level* is described by *analogous* mathematical formalism as *Hopfield-like quantum-holographic associative neural network*, which represents basis of *quantum neural holography* [1,4]. This enables at the input of the Hopfield quantum-holographic neural network a successive reconstruction of the wave functions of the memory states (complete, i.e. amplitudes and phases) in recognizing wave functions of the states shown at their input (which is the basis of any holography), whereas everything is simplified as compared to standard laser holography (which requires coherent reference and object laser beams)!

The mentioned analogy opens additional *fundamental question* as to how the *quantum* parallel processing level gives rise to *classical* parallel processing level, which is a general problem of the relationship between quantum and classical levels within the *quantum decoherence theory* as well [4,5].

The same question is closely related to the fundamental nature of *consciousness*, whose indeterministic manifestations of *free will* [4,6] and other holistic manifestations of consciousness like *consciousness pervading body* [7], *transitional states of consciousness* [4] and *altered states of consciousness* [4,8] – necessarily imply that some manifestations of *consciousness* must have deeper *quantum origin* – with significant *psychosomatic implications* [4,9].

Namely, as demonstrated by *quantum-coherent characteristics* of the Russian-Ukrainian school of *microwave resonance therapy* (MRT) [10] – the *acupuncture system* is the only *macroscopic quantum system* in our body (while brain still seems not to be) which might be related to *consciousness*; and as recent theoretical investigations show that any *quantum system* has formal mathematical structure of the *quantum-holographic Hopfield-like associative neural network* [1] – then (acupuncture temporarily reprogrammable) *memory attractors of the acupuncture network* can be treated as *psychosomatic individual disorders* representing (*quantum*)*holistic records* – which might represent biophysical basis of (*quantum*)*holistic local psychosomatics* [4,9]! At the same time, the mentioned analogy between *mathematical formalisms of Hopfield's associative neural network* and

Feynman's propagator version of the Schrödinger equation implies that *collective consciousness* is a possible *ontological property of the physical field itself* with various micro-quantum and macro-quantum (both non-biological and biological) excitations, which is a widely spread thesis of *Eastern esoteric/religious traditions* – and then *memory attractors of the quantum-holographic space-time network of collective consciousness* can be treated as *psychosomatic collective disorders* representing *generalized (quantum)holistic field records* (including *interpersonal hesychastic-prayer finally-reprogrammable loads*) – which might represent *biophysical basis of (quantum)holistic global psychosomatics* [4,9]!

Quantum-holographic framework for spirituality

The mentioned *quantum-holographic framework* implies that quantum-holographic hierarchical levels bear information on wholeness, which resembles Hinduistic relationship *Brahman/Atman* ('*Atman is Brahman*'), as the whole and its part which bears information about the whole [11] (enabling subtle *quantum-informational coupling of various hierarchical levels* in Nature [12,13], supported by acupuncture system and its numerous projection zones (*Su Jok therapy* as an example [14]) and discovery of *quantum-holographic influence of language-communication on the genes expression* (by language-modulation of the irradiating laser beam [15]), as well as by *origin of miraculous deep creativities (Tesla and Mozart as case studies* [16,17]), and *preferences of History through coupling with the state of collective consciousness (Bible Code as a set of coded keywords related to historical persons* [18]).

Although *Universe as a whole is quantum hologram* subject to deterministic Schrödinger evolution (due to absence of the complementary outside-cosmic environment necessary to trigger its collapse!), the memory attractors of collective consciousness might be *reprogramed by prayer for the others*, thus removing interpersonal loads of quantum-holographic Hopfield-like neural network of collective consciousness – via prayer-induced hypothetical macroscopic vacuum non-loaded spiritual excitations as in-deterministic intervention in otherwise deterministic evolution of the quantum-holographic cosmic (and embedded human) History, which thus provides essentially new non-Schrödinger boundary conditions [4]. This leaves most room for *free will and influence on further preferences*, and poses indispensable personal role and care for collective mental environment.

An additional support that the *acupuncture system is really related to consciousness and psychosomatics*, is provided by *meridian (psycho)therapies* (with very fast removing of traumas, phobias, allergies, post-traumatic stress, and other psychosomatic disorders [19,20]) – whose simultaneous effects of *visualization and tapping/touching of acupuncture points* might be theoretically interpreted as a '*smearing*' and *associative integration of memory attractors* of the psychosomatic disorders, through successive imposing new boundary conditions in the acupuncture energy-state space during visualizations of the psychosomatic problems [4,9].

Having in mind very high efficiency of meridian (psycho)therapeutic *circular processes*, i.e. from all relevant mentally-addressed *meta-positions* of other persons involved in the treated trauma [20], this implies that these interactions of the trauma-related persons have presumably quantum-gravitational-collapse-related *transpersonal origin* via miniature 'wormhole' space-time tunnels in (highly-noninertial via-principle-of-equivalence-physically-equivalent-to strongly-gravitational) *transitional states of consciousness* of the related persons [4,9] (or 'silver cord' of vital energy of the astral/mental body, *extrasensory observable* in altered states between heart, stomach or throat chakras of the interconnected persons; in African-Haitian *voodoo magic* the 'silver cord' between the operator and the victim is intentionally created by visualization, while in Hawaiian *hooponopono tradition* the 'silver cord' is cut by visualization thus removing traumatic emotional relationship – which otherwise naturally exists between mother and child, and spontaneously arises by intense exchange of the vital energy between relatives, close collaborators, actual or ex-lovers, friends and enemies, and can even persist *post mortem* between the alive and dead persons [4]).

Then, space-time transcending *transpersonal interactions* [21-35] might be interpreted [4] by *collapse-like consciousness-channeled quantum-gravitational tunneling* of operator's individual consciousness –

mentally addressed on the target's content of collective consciousness in operator's *transitional states of consciousness* (short-lasting highly-noninertial strong-gravitation-equivalent – according to Einstein's principle of equivalence – being presumably the physical basis of von Neumann's projection postulate in quantum measurement-like situations on micro-quantum scale too, which might account for *space-time nonlocality of quantum collapse* (and 'seemingly paradoxical' *nonlocality of quantum entanglement in both space and time* [36])) – thus intentionally channeling composite state of the 'field' of target-under-influence-of-operator part of collective consciousness, $|\Phi\rangle_S \rightarrow |\Phi_j\rangle_S$, and automatically influencing complementary 'particle' output $|\Psi\rangle_E \rightarrow |\Psi_j\rangle_E$ in quantum-gravitationally-induced [37] and consciousness-channeled collapse ($|\Phi\rangle_S|\Psi\rangle_E = \sum_i c_i |\Phi_i\rangle_S |\Psi_i\rangle_E \rightarrow |\Phi_j\rangle_S |\Psi_j\rangle_E$).

It should be pointed out that apart from the EM field (embedded into displacing part of ionic acupuncture system), subjected to strong inertial accelerations in transitional states of consciousness, via locally created 'wormhole' must also tunnel displaced ionic structure [4] (in the form of EM/ionic quantum-holographic neural network, having the quantum sensory function in long-range interactions of this type, transcending space-time barriers). In esoteric literature these interactions are known as '*astral projections*' of consciousness, related to some paranormal '*transpersonal phenomena*' [21-35] (*mystical religious/out-of-body/near-death experiences, spiritual diagnosis/healing, extrasensory perception, telepathy, clairvoyance, psychometry, eidetic pictures, lucid dreams, synchronicity, precognition, retrocognition...*), related presumably to relatively lower vital energies/weaker fields. This also provides explanation for transitional nature and difficult reproducibility of most of these phenomena in laboratory with non-trained persons [22] (as the conditions for them are spontaneously realized shortly every 1,5-2 hours, with periodicity of ultradian rhythms which govern interchange of normal and altered states of consciousness [4]).

It should be noted that locally created 'wormholes' might reveal the basis for explanation [4] of some paranormal '*psychokinetic phenomena*' [21,22,31] related to relatively higher vital energies/stronger fields. Namely, as 'wormholes' are stabilized by so called 'exotic matter' (vacuum fluctuations in strongly curved space-time of the 'wormhole' tunnels) which pushes the wormhole's walls apart anti-gravitationally [38], this might account for some anti-gravitationally manifested psychokinetic phenomena [21,22,31] (*psychokinesis, levitation, poltergeist, mystery spots...*). On the other hand, the same mechanism which can achieve space-time tunnelling of displaced acupuncture ionic neural structure in paranormal transpersonal phenomena by virtue of relatively lower vital energies/weaker fields, provides also possibility for tunnelling more massive objects by using higher vital energies/stronger fields in transpersonally manifested psychokinetic phenomena [21,22,31] (*teleportation, materialization...*).

Our theoretical investigations thus imply *real origin of esoteric notions* of various traditions of East and West [11,39] – and according to our elaborated theoretical relationship *consciousness/acupuncture* EM-ionic quantum-holographic Hopfield-like associative neural network [4], *esoteric notions* like *astral body* (*manomaya, lingasarira, manovijnana, ka, psyche, subtle body, psychic body, soul...*) and *mental body* (*vijnanamaya, suksmasarira, manas, ba, thymos, noetic body, spiritual body, spirit...*) [11] might be biophysically related to *out-of-body displaced part* (connected with the body by miniature 'wormhole' tunnel of vital energy of the astral/mental body) *of the ionic acupuncture system*, and with embedded *EM component* of ionic microwave ULF-modulated currents, respectively. On the same line, the *ionic condensations* in the structured acupuncture system, with an EM component of ULF ionic currents embedded within it, behave like *distributed centers of consciousness* (*chakras, acupuncture points*); the *ionic nature of vital energy* (*qi, prana, pneuma, mana, bioenergy*) and *etheric body* (*related to undifferentiated ions, all-pervading within the organism and essentially important for numerous biochemical processes*).

In the above quantum-holographic context, the association of individual consciousness to manifestly-macroscopic-quantum acupuncture system, and application of theoretical methods of

associative neural networks, quantum neural holography and quantum decoherence theory, imply also *two cognitive modes of consciousness*, according to the coupling strength consciousness-body-environment [4]: weakly-coupled *quantum-coherent direct one* (in out-of-body religious/creative transitional and altered states of consciousness, like prayer, meditation, creative dozes, lucid dreams...), and strongly-coupled *classically-reduced indirect one* (in bodily perceptively/rationally mediated normal states of consciousness, like sensory perception, logical and scientific thinking...) – with conditions for mutual transformations.

So, it seems that *science is closing the circle*, by *re-discovering two cognitive modes of consciousness* and at the same time by imposing its own *epistemological limitations* [4] – as it was preserved for millennia in *shamanistic tribal traditions*, or as it was concisely described by Patanjali in *Yoga Sutras*, pointing out that mystical experience (samadhi) is 'filled with truth' and that 'it goes beyond inference and scriptures', or as this difference between faith and knowledge was formulated at the beginning of the last century by Berdyaev in his *Philosophy of Freedom* as the difference of two modes of cognition, prayer-mediated 'comprehension of the affairs invisible' and rationally-mediated 'comprehension of the affairs visible'!

This also explains *in principle non-adequate informational rationalization* of any direct quantum-holographic spiritual/religious *mystical experience* (as a general problem of the quantum theory of measurement, of *reduction* of the implicate order of quantum-coherent (quantum-holographic) superpositions into the explicate order of measured classically-reduced states [4]) – close to experiences of many *shamanistic tribal traditions*, which consider that *genuine* (quantum-holographic) reality is represented by *dreams* [33], while (classically-reduced) awake state is lie/illusion (*maya*, as it is argued in *Eastern traditions* [11])! After returning of the displaced consciousness upon the body, in order that transpersonally acquired information ascends to the level of normally conscious state, it is necessary to overcome two filters [4]: *acupuncture system/nervous system threshold filter* (which requires 'emotional colouring' of the solving problem) and *frontolimbic-amplification priority filter* (which requires 'emotional-thinking priority' of the solving problem). It should be pointed out that (practically) non-threshold potential of the acupuncture electrical GJ-synapses [40] makes body's acupuncture system extremely sensitive quantum sensor [4,9], which can resonantly 'detect' even ultraweak EM fields [41] – with radiesthetic-diagnostic, noncontrolable-patogenic, or quantum-therapeutic psychosomatic effects [42].

Besides, necessity of direct quantum-holographic coupling of individual and cosmic collective consciousness in observing *implicate order* really requires weak out-of-body quantum-communication coupling consciousness-environment, i.e. previous *reprogramming of all psychosomatic loads* (cleansing of possessive or hedonistic *emotional-mental sin/karmic connections* with the world – which as loading 'mental addresses' would give rise to *quantum projections* of mentally/channeled tunneled consciousness on corresponding *out-of-body environment*, and thus to classically-reduced out-of-body *extrasensory observing* of mentally-addressed environment!) – and so the efforts of *mystics of all traditions* to *clean consciousness/soul* through spiritual practice (*prayer, meditation*) and thus to reach their final eschatological goal (*Kingdom of God, nirvana*), i.e. *post-mortem salvation* (of the sin-free/karmic-free non-bounded soul) [11,39] appear reasonable!

This still *leaves room for personal love*, whose highest manifestation is ability and readiness for permanent and *unconditioned forgiving* (to loving person, and because of him/her to everybody else, including enemies), in spiritual prayer and (subtly related quantum-holographic) living practice; the same refers to love for relatives and friends [4,35].

Conclusion

The presented integrative quantum-holographic framework for spirituality might have significant holistic implications, providing fundamental quantum-informational framework for deeper understanding of the very *nature of consciousness* and related *transpersonal phenomena* (described in religious and esoteric traditions of East and West), including some fundamental *philosophical-religious questions*

(like three crucial Kant's questions – does God exist, is there life after death, and does free will exist – answers to which will be presumably positive).

So, it seems that our civilization, through *synthesis* of contemporary scientific discoveries in the field of consciousness and millennia' religious experiences of various traditions of East and West, might face in a near future a renaissance of *hesychastic behaviour models*. This would open perspectives for 'millennium of wisdom', where history (of basically non-tolerant behaviour, in different historical contexts) might become the sincere teacher of life, without necessity that every generation learns from its own painful experiences. The primary role in this process might belong to *all religious confessions*, by cultivating sincere *spiritual morality* and absolute (not declarative, as throughout previous history) interpersonal, interethnic and interreligious *tolerance*, as a measure of individual behaviour from the *perspective of death*, i.e. quantity of generated and nonreprogrammed psychosomatic conflicts until the moment of death (determining *spiritual preferences* for individual and/or collective future) – which might be significantly changed only through *practicing of prayer* for our relatives and enemies, and consequently *global reprogramming* of the spatio-temporal network of *collective consciousness*. Everything else, including extremely well-meaning *rational persuading* and referring on high principles and 'sinful pride' (which firstly disconnect us harmlessly, and afterwards create big conflicts spontaneously: 'The road to hell is paved with good intentions'), will enhance the existing mental/emotional (inter)personal loads – dismissing individuals, nations, and humankind from the final spiritual ideal of sinless (healed/healthy) state of individual and collective consciousness.

This suggests necessity of *re-consideration* of global educational/informational/political goals, with re-orientation toward spiritual-holistic *gentle actions for global solutions of the global risk society*.

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