

## **Nikola Tesla as a case study for quantum-holographic correlations of individual and collective consciousness: creative and spiritual implications**

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**Abstract:** Nikola Tesla's visions and inventions realized in his controlled altered states of consciousness are proposed as manifestations of his meditative insights through macroquantum correlations of individual and collective consciousness, with significant quantum-holographic creative-educational and psychosomatic-spiritual implications. On the one hand, they can provide guidelines for a deeper understanding of the quantum-holographic framework of holistic control of creativity and education – based on a mentally-focused increase of macroquantum correlations between individual and collective consciousness. On the other hand, they can provide guidelines for a deeper understanding of the quantum-holographic framework of holistic control of psychosomatics and spirituality – based on a mentally controlled systematic reduction of macroquantum correlations of individual and collective consciousness. In a wider context, Tesla's overall research can be an inspiration for reconsidering global educational / informational / political goals – with a reorientation to holistic subtle actions for solutions of the global risk society.

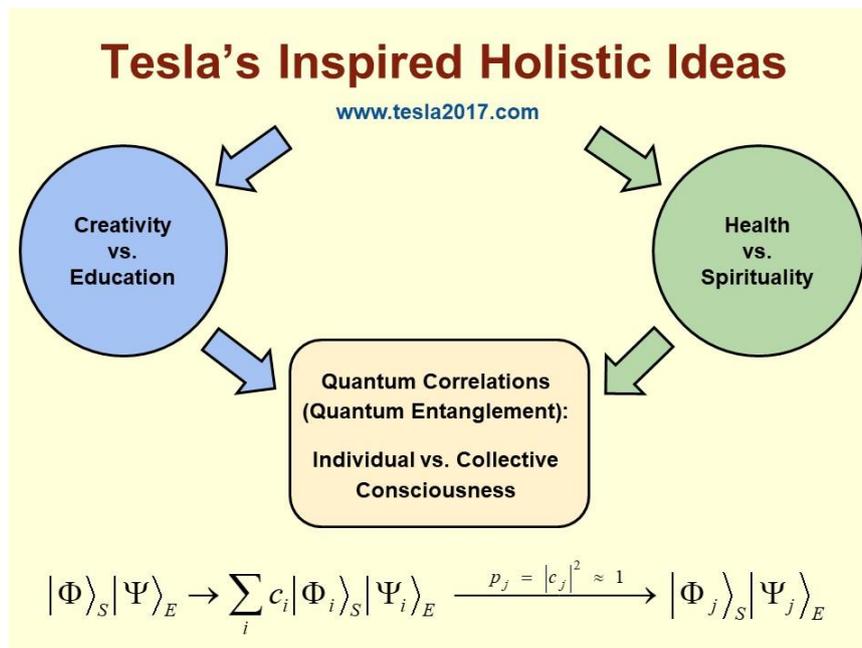
**Keywords:** Nikola Tesla, Hopfield-like neural-networks quantum-holographic framework, quantum-holographic primal source, normal & altered states of consciousness, individual & collective consciousness, macroscopic quantum correlations, integrative medicine & transpersonal psychology, creativity & education, psychosomatics & spirituality.

### **1. Introduction**

Nikola Tesla is undoubtedly the greatest inventor in the history of electrical engineering, and what makes him especially fascinating was his unusual mental control of creative visions [1]. Regarding Tesla's extraordinary creative experiences in his altered states of consciousness (categorized in his time as nonphysical phenomena) – Tesla's conviction "*when we start to study nonphysical phenomena, we will progress more in ten years than we have for centuries*" then becomes clearer. In this context, it seems that Tesla's legacy for the new millennium is introspective evidence of his transpersonal creative communications, with fascinating possibility of his meditative eidetic control & increase of macro-quantum correlations with the quantum-holographic primal source of collective consciousness. (cf. Fig. 1(a)). It could serve as an extraordinary case study for understanding biophysical basis of both transpersonal psychology & control of creative processes, based on subtle interplay of normal & transitional & altered states of consciousness in meditation & sleep, and may help in developing future strategies for education [2-4].

These phenomenological insights could also provide additional understanding of our Hopfield-like neural macroscopic *quantum-holographic / quantum-gravitational (QHQG)* theoretical framework for quantum-informational transpersonal psychosomatics, based on systemic decrease of quantum entropy & macro-quantum correlations of acupuncture system / individual consciousness & collective consciousness (cf. Fig. 1(b)), which may help in developing future strategies for integrative medicine & transpersonal psychology; and in wider context, Tesla's whole research & life could also provide an inspiration for reconsideration of global educational / informational / policy goals – with reorientation towards holistic gentle actions for solutions of the global risk society [3,4].

The paper is organized as follows. Section 1 introduces the motivation for studying introspective evidence of Tesla's transpersonal creative communications in his meditative altered states of consciousness. Section 2 considers implications of creatively-entangling quantum correlations of individual & collective consciousness, while Section 3 considers implications of the spiritually-disentangling quantum correlations of individual & collective consciousness. Section 4 presents discussion on wider trans-generational support of our QHQG theoretical framework of psychosomatic integrative medicine & transpersonal psychology, while Section 5 concludes on significance of this framework for understanding holistic control of creativity & education and importance of integrative medicine & transpersonal psychology. Appendix provides additional notes on macro-quantum phenomena in biology, medicine & psychology, based on our QHQG theoretical framework for holistic psychosomatics & transpersonal psychology, including implications on fundamentals of quantum informatics & proposed experimental tests as well.



**Figure 1. (a)** Symbolic representation of *mentally controlled-directed increasing* of macro-quantum correlations of interacting individual consciousness ( $S$ ) and collective consciousness / environment ( $E$ ) in *transpersonally-entangling creative phases* (left-hand side of the image and formula above, with previous mental increase of the focused weight contribution  $c_j$  and subsequent (practically non-stochastic) classically-reduced selection of this dominant weight contribution  $c_j$ ); and **(b)** Symbolic representation of *mentally controlled-systemic decreasing* of macro-quantum correlations of interacting individual consciousness ( $S$ ) and collective consciousness / environment ( $E$ ) in *transpersonally-disentangling spiritual phases* (right-hand side of the image and formula above, with previously systemic mental decreasing of almost all weight contributions  $c_i$  and subsequent (practically non-stochastic) classically-reduced selection of the remaining dominant weight contribution  $c_j$  (related to mentally-embedded address on the founder of the corresponding mystical tradition)).

## 2. Creative Implications of Quantum Correlations of Individual & Collective Consciousness: Tesla's Path of Mentally Controlled Directed Transpersonal Entangling

Tesla's introspective analyses may provide a *direct clue* for deeper understanding of *QHQG theoretical framework for holistic control of creativity & education – based on meditation insights & carefully guided & increased macro-quantum correlations of individual & collective consciousness* [2-4], as will be elaborated bellow.

During his stay in Budapest (1881/1882), in looking for employment after leaving his engineering studies, Tesla was beset by his need to detach the commutator from the machine [1]: *"I started by first picturing in my mind a direct current machine, running it and following the changing flow"...* His incessant thinking produced a complete nervous breakdown... The breakdown quickened and sharpened his perspective a hundredfold... His pulse fluctuated from very low to 260 beats per minute... His physical state had completely deteriorated... [By his incessant meditative efforts Tesla presumably had *awaken his kundalini vital energy* in the base of spine [2-5], which abruptly opened his *doors of perception*, usually causing permanent psychosis in persons mentally unpurified previously, but Tesla succeeded to recover owing to his *pure soul*, and subsequently a series of his incredible *meditative inventions* began (in state described in Patanjali's Yoga Sutras as *Ritam Bhara Pragya*, 'when mind perceives things as they are' [5]) (Author's note).]... After nearly a year of unsuccessful treatment, during repeating walks with his colleague Szigeti in the City park, Varosliget, he was regaining his strength. On one occasion, during a walk in the park toward the end of February, Tesla looked at the setting sun, and began to recite the glorious passage from Goethe's Faust [...]: *"As I uttered these words, the idea came like a flash of lightning... and in an instant the truth was revealed. I drew with a stick on the sand the diagram of my motor... secrets of nature which... I had wrested from her against all odds and at the peril of my existence... See, how smoothly it runs. No commutator, no brushes, no sparking. As the current in one coil decays, in the adjacent coil it increases, coil after coil, creating new magnetic rotating fields and pushing the shaft continually... In less than two months, I evolved virtually all the types of motors and modifications of the system now identified with my name... it was a mental state of happiness as complete as I have ever known in life. Ideas came in an uninterrupted stream and the only difficulty I had was to hold them fast."*

Tesla was absolutely convinced in similarity of scientific and artistic ideas [1]: "*They are coming from the same source.*" This viewpoint is similar to Plato's, but Tesla did not come to that speculating philosophically, as he had experienced the world of ideas from the boyhood: "*When a word was spoken to me the image of the object it designated would present itself vividly to my vision and sometimes I was quite unable to distinguish whether what I saw was tangible or not ... Sometimes it would remain fixed in space though I pushed my hand through it... [Quantum hologram [2,4], in Tesla's quantum-coherent stationary altered states of consciousness? (Author's note)]... Then, instinctively, I commenced making excursions beyond the limits of the small world of which I had knowledge and saw new scenes. These were at first very blurred and indistinct, and would flit away when I tried to concentrate my attention upon them, but, by and by, I succeeded in fixing them; they gained in strength and distinctness and finally assumed the concreteness of real things. I soon discovered that my best comfort was attained if I simply went on in my vision farther and farther, getting new impressions all the time, and so began to travel – of course in my mind. Every night (and sometimes during the day) when alone, I would start my journeys... [Astral journeys [2-5], in Tesla's quantum-entangled non-stationary transitional states of consciousness? (Author's note)]... I have been practicing this until my seventeens, when my thoughts turned to inventions seriously.*"

Our *QHQG theoretical framework* also imply that quantum-holographic hierarchical parts carry information about the whole (which resembles the Hindu relationship *Brahman / Atman*, as a whole and the part which contains information about the whole [2-5], pointing to subtle *fractal coupling of various hierarchical levels* in Nature [6,7], and to *origin of the amazing creativities* (with Tesla & Mozart as extraordinary case studies [2,8]!). It also suggest *two modes of knowledge*, according to the coupling strength consciousness-body-environment [2-5]: *weakly-coupled direct mode* (in the *out-of-body* spiritual-creative quantum-entangled non-stationary transitional states of consciousness & quantum-coherent stationary altered states of consciousness, like prayer, meditation, daydreams, lucid dreams, creative insights...) & *strongly-coupled indirect mode* (in *bodily* perceptively-rationally mediated *classically-reduced stationary normal states of consciousness*, like sensory perception, logic and scientific reasoning...) – with *conditions of mutual transformation*.

In the context of *Tesla's extraordinary creative insights & inventions* (directly visualized in his consciousness with the details of the functioning of the devices, without any application of Maxwell's electromagnetics!), it is interesting to consider the *possibility of controlling creative processes within our QHQG theoretical framework* [2-4,9]. They predict the *transpersonal properties* of the psyche in the short-lasting quantum-entangled transitional states of consciousness (with subsequent classically-reduced stationary extrasensory perception of the previously focused mentally-addressed out-of-body complementary environment, cf. Fig. 1(a) as well, which may also be *Jung's archetype of the problem-with-solution at the level of quantum-holographic collective consciousness*, which raises associations on *Tesla's mental inventions & Plato's world of ideas* too).

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* [2-4,9]: *acupuncture system / nervous system threshold filter* (which requires *emotional colouring* of the solving problem) & *frontolimbic amplification filter* (which requires *emotional-thinking priority* of the solving problem). According to our investigations, all mentioned conditions might be realized in quantum-coherent stationary state of *waking meditation* (by entering in this prolonged altered state of consciousness, with mental addressing on the solved problem) – which *Tesla* has been doing by *persistent mental focusing* on the solving problem as described in Introduction!

On the other hand, during the *sleep state* the mentioned conditions might be realized in quantum-entangled non-stationary transitional states of *falling asleep* & quantum-coherent stationary states of *REM-sleep* (with previous *intense concentration* on the solving problem before sleep & *subsequent amplification* of the obtained classically-reduced answer in the form of symbolic dream, which should be then *correctly interpreted* in the context of personal internal symbolism) – *widely applicable* even to meditation-non-trained persons [2-4,9]. Of course, for solving conceptually complex *scientific problems* it is necessary to be an *expert* in the corresponding field, in order to *scientifically rationalise a solution* representing scientific shift.

The same might be applied to *artistic creative experiences & their subsequent artistic expressions* (*Mozart as extraordinary case study* [8]!), while *very art-works* then behave like *mental addresses of archetypes* being in contact with artists in mentally-addressed transpersonal communications during the acts of creation [2-4,9]. Then *deep artistic experiences of the public* might have strong *spiritual notes* too, through *spontaneous mental addressing of the artistic public on the masterpeace & emotionally-induced excitation into transitional state of consciousness*.

Finally, this could similarly be extended to *deep spiritual experiences of the believers with their mental addressing on holy icon / relic & emotionally-induced excitation into transitional state of consciousness* [2-4,9].

### **3. Spiritual Implications of Quantum Correlations of Individual & Collective Consciousness: Mystic's Path of Mentally Controlled Systemic Transpersonal Disentangling**

Tesla's introspective analyses may provide *an indirect clue* for deeper understanding of our *QHQG theoretical framework for integrative medicine & transpersonal psychology by imposing healing boundary conditions – based on methods & techniques for decrease of quantum entropy & macro-quantum correlations of acupuncture system / individual consciousness & collective consciousness* [4,9-15], as will be elaborated below.

Additionally, if put in the theoretical context of the fundamental *holographic principle* [16], according to which any 3D physical system is *isomorphic* to the holographic information embedded on its 2D surface, then *quantum-holographic informational content of a body* could also be contained in *corresponding surface layer of vital energy of the astral-mental body (aura)*, as has been stated in various traditions [5,17,18] - in accordance with our extended QHQG theoretical framework for psychosomatics and proposed close relationship of the acupuncture system and consciousness (supported by meridian psycho-energy therapies as well, with rapid elimination of traumas, phobias, allergies and other psychosomatic disorders, by simultaneous emotional-involved intensive visualization of psychosomatic problems and tapping / touching on prescribed acupuncture points [9,19])!

According to our QHQG theoretical framework, *spontaneous transpersonal communications*, with exchange of information in transitional states of consciousness, would have *negative psychosomatic-spiritual effects*, giving rise to *global trans-generational increase of psychosomatic loads* on the level of quantum-holographic network of *collective consciousness* – which might represent the *sin / karmic engine of history*. *The only phenomenon which decreases these loads might be all-forgiving prayer to ourselves & others* (relatives, enemies, decided) – *probably via simultaneously vacuum-excited spiritually-purifying new macro-quantum portions of vital energy* (similarly to spiritually-excited & mentally-channeled Ayurvedic, Qigong, Reiki and modern experiences of local & transpersonal healing [9-15]!) *in prayer-related persons* – as *(decoherence-like) quantum-gravitational non-stationary indeterministic purifying interventions in unitary intrinsic quantum-holographic stationary evolution of collective consciousness!*

In the context of the *predestined trans-generational cosmic quantum hologram of collective consciousness*, in a deep psychotherapeutic terminology the possibility of its *optimization by spiritual purification* would be reduced to *dis-entangling / un-binding from almost all levels of individual & collective consciousness*, and consequently to *full re-integration of the higher Self* – by its *re-union with spiritual primal source* (with previous mentally controlled systemic decreasing of macro-quantum correlations of individual & collective consciousness, cf. Fig. 1(b) and Appendix in ref. [4]). This might leave most room for *free will & influence on future preferences* – making the *role of every person indispensable* due to influence & concern for *collective mental environment!*

Our QHQG theoretical framework implies the *generally poor informational rationalization* of any direct quantum-holographic spiritual / religious *mystical experience* (as the problem of quantum theory of measurement, related to the reduction of the implicate order of the quantum-entangled (quantum-holographic) non-stationary superposition of two-partite states into the particular explicate order of the corresponding measuring classically-reduced stationary one-partite states). And might help us understand that all our partial rationalizations (classically-reduced mappings!) are still an approximation of the fundamental-holistic reality (quantum-holographic territory!), *which differ from tradition to tradition* [17]. On the other hand, *the consensuses of the mystics of the same tradition on a similar partial rationalization of mystical experiences* could be understood as *part of the same dominant-channeling trans-generational contextual heritage of members of the same tradition* (because we are not born as so-called *tabula rasa*, as being indicated by the aforementioned contemporary experiences of experiences of different traditions [17] and hypno-regressions [20] as well).

This is close to experiences of numerous *shamanistic tribal traditions*, with beliefs that the *genuine* (quantum-holographic) reality is represented by *lucid dreams*, and that (classically-reduced) waking state is *lie / illusion (maya)*, as stated in the *traditions of the East*. So *science might be closing the circle, by re-discovering two different modes of knowledge* and setting its own *epistemological limitations* too [2-4,9-15] – as preserved for millennia in *shamanistic tribal traditions* [17,18], or as concisely described by Patanjali more than two millennia ago, pointing out that mystical experience (*samadhi*) is "*filled with truth*" & "*above*

*inference and the scriptures*" [5], or as formulated at the beginning of the last century by *Berdyayev* as the difference of two modes of knowledge, *prayer-mediated "comprehension of affairs invisible"* & *rationaly-mediated "comprehension of affairs visible"* [21]!

In addition, the necessity of direct quantum-holographic coupling of individual & cosmic collective consciousness in an observation of the implicate order might need weak out-of-body quantum-communication coupling consciousness-environment, i.e. previous *reprogramming of all psychosomatic loads* (cleansing of the possessive or hedonistic emotional-mental sinful / karmic connections with world – which as loading *mental addresses* would give rise to quantum projections of the mentally-channelled tunnelled consciousness upon the out-of-body environment, and thus to classically-reduced *out-of-body extrasensory observing* of the mentally-addressed environment). In this context the efforts of mystics of all traditions to *purify consciousness / soul via spiritual practice* (prayer, meditation...) and thus to reach their *final eschatological goal* (Kingdom of God, nirvana...), i.e. *post-mortem salvation of soul* (non-bounded sin-free / karmic-free) by *re-union (re-ligare / yoga)* with the *supreme God* [22] might appear reasonable!

Finally, *several-millennia controversy about post mortem evolution of the soul* [17] is probably related to an *interpretative epistemological level* of transpersonal transfer of mentally-addressed loads within the existing generation and further generations via network of collective consciousness, with possibility that particular strong conflicts transferred as "ego-states" leave a strong impression of previously lived lives [9]; but what is the *ontological spiritual reality* – could remain *permanent controversy* of all these principally limited attempts of *human rationalization* [22].

#### 4. Discussion on Wider Trans-Generational Implications

In this section we present discussion on wider trans-generational support of our QHQG theoretical framework of psychosomatic integrative medicine & transpersonal psychology, coming from various traditions.

In the context of the above *proposed mechanism of prayer (which intrinsically non-unitary sets the necessary new boundary conditions without mutual mentally-loaded addresses, cf. Sect. 3)* - it can really be said that an *all-forgiving prayer* represents a biophysical basis for the optimization of (*quantum*) *holistic global psychosomatics of collective consciousness* (and complementary incoming individual and collective events) [9]! Let us add that both traditional and modern experiences of local and transpersonal energy healing [15] (by spiritually-excited and mentally-channeled new macro-quantum portions of vital energy and their subsequent mentally-channeled transfer), indicate that *meditative visualization imposes new (decoherence-like) quantum gravitational boundary conditions* (but, in contrast to prayer, *it would not eliminate simultaneously* all mentally-loaded addresses, and would balance energy-informationally *only one particular client*; therefore, in such situations, it is necessary to do *circular meditative-healing visualization from all meta-positions involved in the existing conflict, thus eliminating simultaneously all mentally-loaded addresses*)! Hence, in the context of our QDQH theoretical framework, *spiritual prayer / meditation practices* represent *non-unitary source of free will at the level of collective consciousness*, which evolutionary *increases the responsibility of every individual and the whole human race* [4,9-15]!

It is hereby also instructive to mention *Buddhist* interpretation of *karma*, which occurs not as a *result of our spontaneous reaction* to the current situation in life, but as a result of the *latter justification of our conscious reactions against the others* in this situation [23]! In the context of the above mentioned *quantum-holographic predestined life programs* (and experiences of various traditions [17] and post-hypnotic regressions [20]), this is fully justified because we all (*non-consciously*) *react to current conflicting-encoded life-situations* (several hundred miliseconds before we become aware [24]!), but immediately afterwards we have a chance to (*consciously*) *permanently untangle the existing trans-generational conflict by penitent-all-forgiving prayer*. This might be possibly the reason for *Christianity* to insist on *repenting and forgiving*, as anything else would enhance the existing mental / emotional personal loads and enlarge evil in the world, dismissing an individual and humankind from the final spiritual ideal of sinless state of individual and collective consciousness!

Bearing in mind the role of a mentally loaded contents in the *post-mortem spiritual evolution of the soul* of the dying (let us mention transpersonal collective levels of consciousness of *Bardo levels* in Tibetan tradition [25] or *aerial toll house* in Christian tradition [26]) - this implies importance of prayers for soul of the deceased with ability not only to *influence its spiritual evolution*, but also *trans-generational preferences for individual and / or collective future offspring* (with possibility of even *retroactive-nonlocal trans-generational dis-entangling / un-binding of mental / emotional conflicts*, as suggested by *experiments with*

prayer [27] - bearing resemblance to quantum delayed choice experiments [28], and pointing additionally to quantum roots of consciousness)!

In the context of *trans-generational* cosmic quantum hologram, although on the level of collective consciousness everything is *quantum-holographically predestined* - as suggested by experiences of different spiritual traditions [17] and post-hypnotic regressions [20] as well - they also suggest the possibility of *optimizing life-programs by spiritual purification*. In particular, let us mention Hawaiian *ho'oponopono* tradition with *remarkable reprogramming of the life situations by contextual repenting and forgiving ourselves* [29]; or South American *ayahuaska* and Nigerian *Abiku* traditions with *fascinating spiritual diagnoses and extensions of the predestined-short-life programs* [15]; or *fascinating world bestseller of Anita Moorjani* [30] on *spiritual changing her life program* with return from clinical death and after a few weeks *spontaneous healing of terminal phase of cancer*; or contemporary spiritual teaching of *Bruno Groening* with *incredible healing channel* remained open after his death [31], in *optimizing both individual and collective life programs*; or traditional *Christian (hesychastic) Mysticism* with *miraculous healing and optimizing life programs* [32]! [This greatly contributes to our understanding that even *most difficult psychosomatic disorders have their roots in the energy-information blockages*, and that *healing begins by removing them* - first lovingly to ourselves, accepting ourselves and forgiving ourselves, which is then manifested by love to others and acceptance of others (e.g. by spiritually dis-entangling / un-binding repentant-forgiving prayer [9,10])!]

## 5. Conclusion

Regarding presented Tesla's extraordinary creative experiences in his meditative states, his conviction "when we start to study non-physical phenomena, we will progress more in ten years than we have for centuries" – *represents Tesla's legacy for new millennium & path to QHQG primal source* – revealing possibility for control of macro-quantum correlations of individual & collective consciousness.

Thus, Tesla's introspective analyses may provide a clue for deeper understanding of *QHQG theoretical framework for holistic control of creativity & education* – based on meditation insights & subtle interplay of normal & transitional & altered states of consciousness – in carefully guided & increased macro-quantum correlations of individual & collective consciousness.

Also, Tesla's introspective analyses may provide a clue for deeper understanding of *QHQG theoretical framework or integrative medicine & transpersonal psychology by imposing healing boundary conditions* – based on methods & techniques for decrease of quantum entropy & macro-quantum correlations of acupuncture system / individual consciousness & collective consciousness.

In wider context, Tesla's whole research may also provide an inspiration for *re-consideration of global educational / informational / political goals* – with re-orientation towards holistic gentle actions for solutions of global risk society – suggesting necessity of *grand synthesis of two modes of knowledge* in the framework of our *extended QHQG paradigm*, and thus helping future strategies *to achieve & maintain a state of complete physical, mental & social well-being on near & large scales*.

## Appendix

In this Appendix we shall outline additional notes on *macro-quantum phenomena in biology, medicine & psychology*, based on our *QHQG theoretical framework* for holistic psychosomatics & transpersonal psychology & related long standing open problems of biophysical nature of acupuncture system & consciousness & qi / prana / vital energy / uncreated light, including implications on fundamentals of quantum informatics & proposed experimental tests as well. This is in line with increasing interest in macro-quantum informational trends in biology, bioresonant quantum-informational medicine technologies, cognitive science & consciousness studies, all the way down to quantum-informational roots of the universe (cf. Appendix in ref. [3], and refs. therein).

### Notes on Quantum Biology

Ad.1. It should be noted that *a number of macro-quantum phenomena in biomolecules & open biological cells* might be accounted within our *QHQG theoretical framework* – related to mechanisms of quantum-holographic projection of the healing boundary conditions in the energy-state space of the acupuncture system / (individual & collective) consciousness of the patients on the lower *quantum-holographic hierarchy*

all the way down to the cellular & biomolecular levels, thus changing the *expression of genes* in morphogenesis – as a very important feedback element of *bioinformatics* (so-called "downward causation") (cf. footnotes 5 and 6 of Appendix in ref. [3]).

Ad.2. It should be added, that *quantum nature of water* (and its fundamental quantum-informational nature as Hopfield-like quantum-holographic neural network), with its numerous memory attractors, might also *mediate in coupling* quantum-informational intra-cellular & extra-cellular biochemical reactions (this being the possible quantum-informational basis of *homeopathy* & some intriguing *field-mediated experiments*) (cf. footnote 7 of Appendix in ref. [3]).

### ***Notes on Quantum Medicine***

Ad.3. Our *QHQG theoretical framework* for psychosomatics implies necessity to focus on *origins of many psychosomatic problems on underlying prenatal trans-generational levels* – with their roots in the energy-information *blockages at different levels of consciousness* (caused by trans-generationally-predestined stressors such as fear, frustration, anger, hatred ...) – while *healing* would begin by their *integration* with healthy core of personality, through unconditional *spiritual & forgiving acceptance of ourselves & our environment* (cf. footnote 8 of Appendix in ref. [3]).

Ad.4. *As there is no out-of-cosmic environment that triggers the non-unitary decoherence* of the quantum-entangled non-stationary state of "cosmic-field-collective-consciousness" & "complement-cosmic-particle-environment" – *the proposed mechanism of prayer* (probably via simultaneously vacuum-excited spiritually-purifying new macro-quantum portions of qi / prana / vital energy / uncreated light) *might impose (intrinsically, non-unitary!) necessary boundary conditions without mutual mentally-loaded addresses in prayer-related persons*, as a *source of free will* at the level of *collective consciousness* (cf. footnote 9 of Appendix in ref. [3]).

### ***Notes on Quantum Psychology***

Ad.5. On the same traditional line, it should be pointed out that many *transpersonal esoteric concepts associated with consciousness are phenomenologically well known* (as repeatedly experienced by "holy men" of different spiritual traditions) – and their physical explanation should be sought on the very border of the current scientific paradigm (cf. footnote 10 of Appendix in ref. [3]).

Ad.6. Psychotherapeutic experiences from *post-hypnotic regressions provide systematized messages* that our major life lessons & opportunities are lying in the spiritual sphere *in order to optimize the otherwise predestined life-programs* – and their physical explanation might be sought within our *QHQG theoretical framework* (cf. footnote 11 of Appendix in ref. [3]).

### ***Notes on Quantum-Gravitational (Bio)Informatics***

Ad.7. According to our *QHQG theoretical framework* of consciousness & psychosomatics, *physical explanation of transpersonal phenomena without space-time barriers* (even practically incorporated in psychosomatic energy-correction) – presumably might be sought in invited combination of *quantum-gravitational-like transitional states of consciousness & Principle of equivalence & objective reduction of quantum wave function* (cf. footnote 12 of Appendix in ref. [3]).

Ad.8. Within our *QHQG theoretical framework* of consciousness & psychosomatics, *explanation of the long standing open problems of the physical nature of psychosomatic acupuncture system & consciousness, including exotic transpersonal aspects of qi / prana / vital energy* (essentially important for our functioning according to Eastern traditional medicine) – should presumably be sought on deeper quantum-gravitational level as well (cf. footnote 13 of Appendix in ref. [3]).

### ***Notes on Proposed Experimental Tests***

Ad. 9. Mapping of field-related collective consciousness in *meditation-guided creativity tests on small & large scales*.

Ad.10. Mapping of field-related collective consciousness in *post-hypnotic regression tests on small & large scales*.

Ad.11. Optimizing of field-related collective consciousness in *prayer-disentangling tests on small & large scales*.

Ad.12. Testing of decreasing quantum entropy of acupuncture systems in *acupuncture-based & consciousness-based anti-stress treatments*.

Ad.13. Testing of increasing quantum correlations of healers' & healees' acupuncture systems in *transpersonal anti-stress treatments*.

Ad.14. Testing of healers' quantum-exotic vital energy & out-of-body extensions of acupuncture channels in *transpersonal anti-stress treatments*.

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### **Nikola Tesla kao studija slučaja za kvantno-holografске korelacije individualne i kolektivne svesti: kreativne i duhovne implikacije**

Vizije i pronalasci Nikole Tesle realizovani u njegovim kontrolisanim izmenjenim stanjima svesti predlažu se kao manifestacije njegovih meditativnih uvida kroz makrokvantne korelacije individualne i kolektivne svesti, sa značajnim kvantno-holografским kreativno-obrazovnim i psihosomatsko-duhovnim implikacijama. S jedne strane, oni mogu pružiti smernice za dublje razumevanje kvantno-holografskog okvira holističke kontrole kreativnosti i obrazovanja – zasnovane na mentalno fokusiranom povećanju makrokvantnih korelacija između individualne i kolektivne svesti. S druge strane, oni mogu dati smernice za dublje razumevanje kvantno-holografskog okvira holističke kontrole psihosomatike i duhovnosti – zasnovane na mentalno kontrolisanoj sistematskoj redukciji makrokvantnih korelacija individualne i kolektivne svijesti. U širem kontekstu, Teslino celokupno istraživanje može biti inspiracija za ponovno razmatranje globalnih obrazovnih / informacionih / političkih ciljeva – uz preusmeravanje na holističke suptilne akcije za globalna rešenja društva svetskog rizika.

*Ključne reči:* Nikola Tesla, kvantno-holografски okvir baziran na Hopfieldovim neuronskim mrežama, kvantno-holografски primarni izvor, normalna i izmenjena stanja svesti, individualna i kolektivna svest, makroskopske kvantne korelacije, integrativna medicina i transpersonalna psihologija, kreativnost i obrazovanje, psihosomatika i duhovnost.