

Tesla's Inspired Holistic Questions of Psychosomatics & Spirituality

Dejan Raković

Faculty of Electrical Engineering, University of Belgrade, Belgrade, Serbia
rakovicd@etf.bg.ac.rs; www.dejanrakovic.com

Abstract. Tesla's visions & inventions realized in his controlled altered states of consciousness, are proposed to be manifestations of meditation insights & macro-quantum correlations of individual & collective consciousness, with significant quantum-holographic psychosomatic-spiritual & creative-educational implications. In particular, they may represent guideline for deeper understanding of our macroscopic quantum-holographic / quantum-gravitational theoretical framework for integrative medicine & transpersonal psychology, by imposing healing boundary conditions – based on macro-quantum acupuncture system & (individual & collective) consciousness, and methods & techniques to decrease quantum entropy & macro-quantum correlations of acupuncture system / individual consciousness & collective consciousness significantly – thus providing new impacts for development of integrative medicine & transpersonal psychology. In wider context, Tesla's whole research may provide an inspiration for reconsideration of global educational / informational / policy goals – with reorientation towards holistic gentle actions for solutions of the global risk society – thus helping future strategies to achieve and maintain a state of complete physical, mental and social well-being both on near & large scales.

Keywords: Nikola Tesla, Hopfield-like neural macroscopic quantum-holographic / quantum-gravitational framework, psychosomatics & spirituality, integrative medicine & transpersonal psychology, acupuncture system & consciousness, individual & collective consciousness, quantum entropy, macro-quantum correlations, free will.

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 also serve as an extraordinary case study for understanding biophysical basis of both transpersonal psychology & control of creative processes, and may help in developing future strategies for education [2]. 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 [2,3].

Tesla's phenomenological insights could also provide additional understanding of our Hopfield-like neural macroscopic quantum-holographic / quantum-gravitational 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 [4,5].

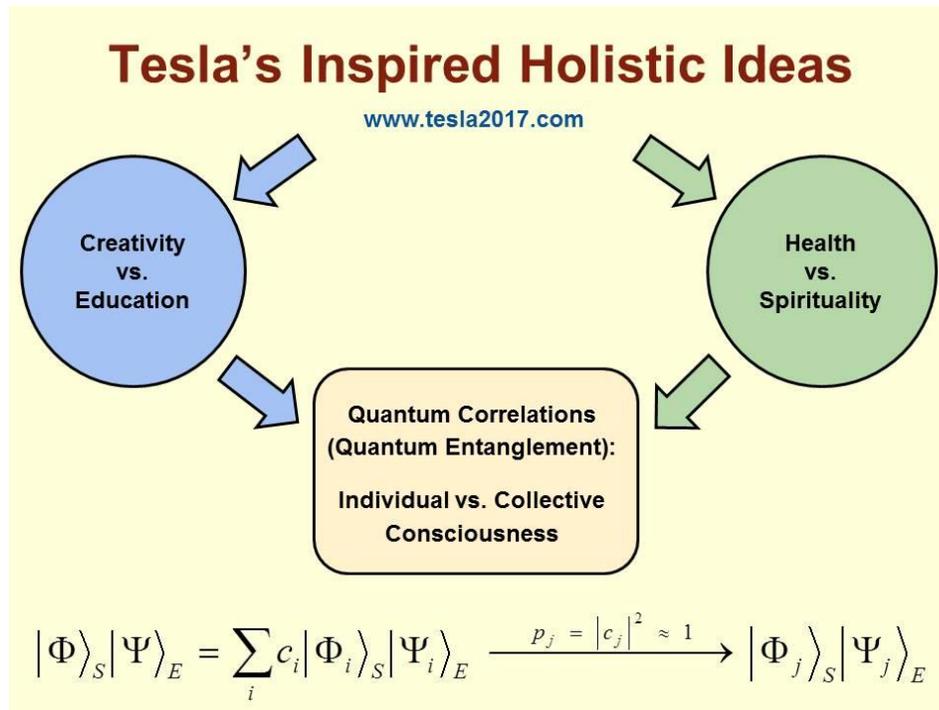


Figure 1. (a) Symbolic representation of the *mentally controlled-directed increasing* of macro-quantum correlations of individual & collective consciousness in *transpersonally-entangling creative phases* (left-hand side of the image & formula above, with previous mental increase of the focused weight contribution c_j & subsequent (practically non-stochastic) classically-reduced selection of this dominant weight contribution c_j), and (b) Symbolic representation of the *mentally controlled-systemic decreasing* of macro-quantum correlations of individual & collective consciousness in *transpersonally-disentangling spiritual phases* (right-hand side of the image & formula above, with previously systemic mental decreasing of all weight contributions c_i & subsequent (stochastic) classically-reduced selection of the weight contribution c_j).

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 *quantum-holographic / quantum-gravitational 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* [4,5], as will be elaborated bellow.

According to our quantum-holographic / quantum-gravitational 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 [4,5]!) *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 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) as well). 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 quantum-holographic / quantum-gravitational 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 explicate order of 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*. 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 hypno-regressions & experiences of different traditions 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 [2-5] – as preserved for millennia in *shamanistic tribal traditions* [6], 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*" [7], 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"* & *rationally-mediated "comprehension of affairs visible"* [8]!

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* [6-10] might appear reasonable! [But it still would leave room for *personal love*, whose highest manifestation is ability & readiness for *permanent & unconditioned forgiving* (to loving person, and because of him / her to everybody else, including enemies!), in spiritual prayer & subtly related (quantum-holographic) living practice; the same refers to love for relatives & friends [3-5].]

All this indicates the *full significance of holistic education & behavior* – suggesting necessity of *redefining* the global educational / informational / policy goals, with the shift towards *holistic gentle*

actions for solutions of the global risk society – thus helping future strategies to achieve and maintain a state of complete physical, mental and social well-being both on near & large scales [2-5,11].

Acknowledgements – This paper is partly financed by the Serbian Ministry of Education, Science and Technological Development, Project No. 178027. I am also grateful to Steve Mehl, American retired clinical psychologist and longtime TM practitioner, for sharing his personal experience and ancient Vedic knowledge on the deep level of consciousness called Ritam Bhara Pragma (described in Patanjali's Yoga Sutras and literally meaning 'when mind perceives things as they are'), supporting in his recent correspondence my theoretical insights into Tesla-like deep origins of creativity.

References

1. N. Tesla, *My Inventions: The Autobiography of Nikola Tesla*, Hart Brothers, Williston, 1983, the original six-part series published in Electrical Experimenter Magazine in 1919 has been republished in this book; there is also Serbian edition (2006).
2. D. Raković, Tesla's legacy for new millennium: Path to quantum-holographic primal source, Invited lecture at: *Int. Congress Nikola Tesla 2017: Disruptive Innovation*, Belgrade, 2 June 2017, preprint; D. Raković, Tesla's holistic approach to research in science and medicine (Tesla's creative control), Keynote presentation at: *Workshop – Tesla & Nature of Creativity 2015, Int. Congress Nikola Tesla 2015: History of Future*, Belgrade, 25 April 2015, preprint; D. Karabeg, D. Raković, S. Arandjelović, M. Mićović, eds., *Proc. QIM 2011 Round Table Knowledge Federation Dialog Belgrade 2011: Partial Versus Holistic Oriented Approaches*, QUANTTES / HF / DRF / KF, Belgrade, 2011; D. Raković, On nature and control of creativity – Tesla as a case study, in: *Proc. 2nd Int. Workshop on Knowledge Federation*, Dubrovnik, Croatia, 2010, D. Karabeg, J. Park, eds., CEUR-WS.org/Vol-822, 2011; D. Raković, Tesla and quantum-coherent states of consciousness: case study for understanding quantum-holographic nature of creativity, in: *Proc. Meet. Ideas of Nikola Tesla*, D. Mirjanić, ed., ANU RS, Banja Luka, 2006; and refs. therein.
3. D. Raković, Quantum-holographic bases of psychosomatics & spirituality: Contribution to comparative research in science & religion, Presented at: *Inter-religious Round Table: Religion, Science, Culture: Contribution of World Religions to Science & Culture – Religious Heritage as a Research Subject at University of Begrade*, Office of Ombudsman of University of Belgrade, 10 June 2013, preprint; V. Jerotić, M. Arsenijević, P. Grujić, D. Raković, eds., *Religion & Epistemology*, Dereta, Belgrade, 2007, in Serbian; V. Jerotić, Dj. Koruga, D. Raković, eds., *Science - Religion - Society*, Orthodox Theological Faculty SPC & Ministry of Religions of Republic of Serbia, Belgrade, 2002, in Serbian; D. Raković, Towards a new/old humanism: Transitional states of consciousness as a clue? in: *Proc. Symp. Brain & Consciousness*, Lj. Rakić, G. Kostopoulos, D. Raković, Dj. Koruga, eds., ECPD, Belgrade, 1997; and refs. therein.
4. D. Raković, S. Arandjelović, M. Mićović, eds., *Proc. Symp. Quantum-Informational Medicine QIM 2011: Acupuncture-Based and Consciousness-Based Holistic Approaches & Techniques*, QUANTTES & HF & DRF, Belgrade, 2011; D. Raković, *Integrative Biophysics, Quantum Medicine, and Quantum-Holographic Informatics: Psychosomatic-Cognitive Implications*, IASC & IEPSP, Belgrade, 2009, there is also Serbian edition (2008); D. Raković, A. Škopljev, D. Djordjević, *Introduction to Quantum-Informational Medicine, With Basics of Quantum-Holographic Psychosomatics, Acupunctureology & Reflextherapy*, ECPD, Belgrade, 2009, in Serbian; D. Raković, *Fundamentals of Biophysics*, 3rd ed., IASC & IEFPG, Belgrade, 2008, in Serbian; D. Raković, *Recollections, Dreams, Thoughts: About Past & Future 1984-2008. On Crossway of Quantum-Holographic & Classically-Reduced Reality*, IASC & IEFPG, Belgrade, 2008, in Serbian; Group of authors, *Anti-Stress Holistic Handbook, With Fundamentals of Acupuncture, Microwave Resonance Therapy, Relaxation Massage, Airoionotherapy, Autogenic Training & Consciousness*, IASC, Belgrade, 1999, in Serbian; and refs. therein.
5. D. Raković, On quantum-holographic bases of psychophysiological development of a child, in: *Psychophysiological Development of a Child: Prenatal, Perinatal and Postnatal Aspects*, M. Sovilj, Lj. Jeličić, T. Adamović, eds., LAAC & IEPSP, Belgrade, 2016 (to be reprinted in: *Int. J. Prenatal & Life*

- Sciences (Special Issue, 2018): Prenatal & Life Sciences Centenary Anthology, 100 Years of Prenatal Psychology: Vital Keys to Understanding the Meaning in Life*, J. R. G. Turner, T. G. N. Turner, eds-in-chief), there is also Serbian edition (2017); D. Raković, On biophysical energy-informational nature of acupuncture system, consciousness and vital energy, in: *Proc. Speech & Language 2015, 5th Int. Conf. Fundamental & Applied Aspects of Speech and Language*, M. Sovilj, M. Subotić, eds., LAAC / IEPSP, Belgrade (similar Invited lecture was given at: *1st Rubicon Group Conference*, London, UK, 11-13 March 2016); D. Raković, On quantum-holographic bases and frontiers of integrative medicine and transpersonal psychology: Psychosomatic, epistemological, and spiritual implications, in: *Proc. 1st Int. Congress on Psychological Trauma: Prenatal, Perinatal & Postnatal Aspects (PTPPA 2015)*, G. Brekhman, M. Sovilj, D. Raković, eds., LAAC & IEPSP, Belgrade, 2015; D. Raković, Quantum-informational bases and frontiers of psychosomatic integrative medicine, in: *Proc. 12th NEUREL*, B. Reljin, S. Stanković, eds., IEEE Serbia & Montenegro Section, Belgrade, 2014 (similar Invited lecture was given at: *7th Europ. Congress for Integrative Medicine (ECIM 2014)*, Belgrade, Serbia, 10-11 October 2014); D. Raković, Stress and anti-stress: Holistic quantum-informational framework, with anti-stress recommendations, in: *Verbal Communication Quality Interdisciplinary Research II*, S. Jovicic, M. Subotic, M. Sovilj, eds., LAAC & IEPSP, Belgrade, 2013; and refs. therein.
6. M. Eliade, H. S. Wiesner, I. P. Couliano, *The Eliade Guide to World Religions*, Harper, San Francisco, 1991; there is also Serbian translation (1996); C. Castaneda, *A Separate Reality: Further Conversations with Don Juan*, Simon & Schuster, New York, 1971, there is also Serbian translation (1978); K. Wilber, *The Atman Project*, Quest, Wheaton, IL, 1980; M. Talbot, *The Holographic Universe*, HarperCollins, New York, 1991; there is also Serbian translation (2006).
 7. Swami Prabhavananda, Ch. Isherwood (tr.), *The Yoga Sutras of Patanjali. How to Know God*, New American Library, New York, 1969; there is also Serbian translation (1977); P. Vujićin, States of consciousness in esoteric practice, in: *Consciousness: Scientific Challenge of the 21st Century*, D. Raković, Dj. Koruga, eds., ECPD, Belgrade, two eds. 1995, 1996; there is also Serbian edition (1996).
 8. N. Berdyaev, *Philosophy of Freedom*, Logos Ant, Beograd, 1996; Serbian translation from Russian (1911).
 9. Swami Rama, *Living with the Himalayan Masters*, The Himalayan Institute Press, New York, 1978; there is also Serbian translation (1991); W. Evans Wentz, *The Tibetan Book of the Dead*, Oxford Univ Press, London, 1968, there is also Serbian translation (1978).
 10. J. Vlahos, *Orthodox Psychotherapy: The Holy Fathers Science*, Missionary School of St. Alexander Nevskiy Church, Belgrade, 1998; Serbian translation from Greek (1994); Father Seraphim Rose, *The Soul After Death*, St. Herman of Alaska Brotherhood, Platina, 1988; there is also Serbian translation (1995).
 11. U. Beck, *The Global Risk Society*, Sage Publ., London, 1999; D. P. Kreculj, J. P. Marić, 'World risk society' and globostres, in: *Science - Religion - Society*, V. Jerotić, Dj. Koruga, D. Raković, eds., Orthodox Theological Faculty SPC & Ministry of Religions of Republic of Serbia, Belgrade, 2002, in Serbian; V. Uskoković, *Principles of Future Holistic Science*, ICNT, Belgrade, 2006, in Serbian.