



Strong Emergentism as A Weak Post-Materialist Approach

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Abstract

The origination and setup of consciousness is still a most elusive topic in scientific research teams. Various hypotheses have been proposed reflecting different, sometimes contradicting philosophical solutions for this mystery across centuries of hot debates. During the last century of physicalist interpretations imposed by rapid advancements especially in physics, a corresponding materialist treatment has been imposed on consciousness studies, based on the axiomatic physical causal enclosure principle. With the progressively emerging post-materialist worldviews, an increasing number of attempts to find an alternative explanatory option to the reductionist neurocentric approach to consciousness studies seem to counteract the inertial brain-based functional and causal exploration tracks. Surprisingly enough, shifting away from its declared post materialistic avenue, the Galileo Commission's recent trends seem to favor whenever possible physicalist views upon real, post-materialistic ones. The most promising compromise between these tendencies, amply discussed lately, seems to be hold in the emergentist concepts, trying by all means to preserve the axiomatic causal closure principle in physical domains. The author of this short essay feels that just one more step is urgently needed to overcome this conceptual conundrum, opening widely the way toward the novel paradigmatic orientation expected to solve the miserably stuck progress in an accurate understanding of sentient reality with its specific outstanding features that proved to be irreconcilable with old exploration tracks. This last and most revolutionary step might be achieved according to the author by simply reversing the strong emergentist theory of consciousness upside-down, realizing that the world of material observables, at all its scales of magnitude, is the emergent result for a highly complex interdimensional transaction between

nonlocal guiding Information fields as translated into their effects in our 4D manifestation domain. None of the basic premises of the strong emergence theory is violated by this vector reversal, and a much more coherent and intelligible picture of the sentient reality such as it is may be highly rewarding. Inspired from recent sub-quantum physics and an objectively re-established aether theory, the brain/mind interconnectedness is depicted in an appealing new light.

Keywords: neurocentric, emergentist, physicalist

1. The subquantum domain of Informational structures

Our basic understanding identifies the Quantum Potential as a superluminal subquantum Information-carrying ether able to interact with matter and physical forces at well-defined space-time positions, injecting their Information content into our world of observables by modulating the event potential. This interaction is possible as soon as matter is defined by an n-degree entanglement state of SQ (subquantum) complexity. Absolute void refers to a space-time sequence contenting Information in its nascent, non-aggregative form (the SQ plenum) as observed from our spacetime perspective. It contains implicated layers of increasingly subtle pre-quantum domains, which each one at its manifestation range may be organized in complete worlds of the kind our own is, each one of them ranging till its own “absolute void” as a transition state to the next implication level of reality. Energy and matter in the SQ regime yield the huge random spacetime curvatures at the Planck scale - the “Quantum foam” -, which, under the effect of the SQ-mediated and stored sentient functions are able to modulate along purposeful selective resonance blueprints of metastable Information structures, carried at superluminal velocity toward replicable quantum fields of increasing complexity, as amply documented in Kaznachejev Mirror Cyto-pathogenic Effect (**Rfsafe.com., 1924), Backster’s elusive nonlocal death signals (Jensen, 1997), as well as in Gariaev’s perplexing non-local biophoton genetic regulation experiments (Gariaev, 1999), were causation of Informational consistency couples to locally active physical deterministic chains. Elementary bio-excitations may condense into macroscopic quantum effects resulting in quantum actualizations of experiential structures as a fundamental process occurring in the Hilbert space. In defending of our SQ Information transport model, we have experimental evidence supporting the presence of fractionally charged quasi-particles and composite fermions in an electron gas under Fractional Quantum Hall Effect conditions (Stormer *et al.* 1998). The existence of spherically symmetric stationary fields of charged sub-currents and subfields

inside the electron is suggested in increasingly convincing subquantum representations. This detail has significance in the treatment of torsion fields that will be discussed under a following entry – where normal EM (electromagnetic) waves are described as riding on the SQ substrate – organized in attached torsion fields propagating in an infinite velocity regime - allowed by the bilinear (Möbius) transformation solutions of the Maxwell equations (Hitchman, n. d.). Convectional fluxes in the SQ regime supply reliable links to non-locally connected entities without violating any of the rules which might apply beyond the subquantum.

The collapse of the probability wave function turns out to be the deterministic result of pre-selections occurring in deep implicated layers of Information according to SQ-mediated tuning effects, subsequently implemented as an interplay between different domains of complexity under pressure gradients. All this will obviously apply to neural network activity patterns, as during the brain-connected “normal condition” of the Self.

Within certain suborders of the implicate order, there arise structures which have a certain recurrence, stability and separability, resulting in apparently tangible matter manifestations in our world. Brain is such an object, the result of highly complex morphogenetic field interactions which mediate between the Information domains and observable physical structures (Klein, 2021a). By extending the physical approach into the informational domains, we are transcending Searle’s concepts of intentional and extensional “aboutness”, as well as Popper’s “three divided worlds” view, by emphasizing in the form of Bohm’s theoretical “wholeness” the constituent superluminal subquantum structures which actually produce such wholeness (Bohm, 1980).

While reversing dogmatic causality principles, the SQ approach to Brain-related studies is abhorred and automatically rejected by the scientific establishment, blind to recent publications supporting a hyper-dimensional essence of Brain. These cutting-edge studies extend the Rubner-Kleiber scaling computation laws, thus reaching the inescapable conclusion that a 5-dimensional function is present in neural network connectivity of Brain, resulting vastly wider Information-coding abilities with respect to the Brain, far beyond mere quantum efficiency (Klein, 2010).

The protagonists of neural emergence theories of subjective experience are emphatically reminded that no clear demarcation criteria for various types of conscious systems

have ever been scientifically established. Thus, no valid statements can be formulated in these regards, from a strictly scientific perspective, as of yet. The mainstream theories of consciousness rely upon a totally flawed set of observations, implemented upon an extremely narrow range of pre-established assumptions, in particular the singular and narrow window of exclusively Brain-related conscious phenomena. This simplistic and exclusionary methodology miserably fails, due to a wrong and totally unsupported causality, which is dogmatically attributed exclusively to neural correlates of conscious processes. Because of this prejudice, all out-of-sequence anomalies which are recorded, between neural activity (Klein, 2010) detection and volitional functions, are misinterpreted, or simply denied, for the sake of preserving canonical interpretations that are deprived from any empirical or factual basis.

Endless currently running debates in “canonized” consciousness studies cluster around the sacro-sanctum emergentist hypothesis, an obsolete remnant of old mechanistic views and flawed methodological assumptions for scientific investigation. Quantitative measurements and repeatability of experiments are extrapolated as basic requirements in Informational domains, even though these concerns are presently technically difficult or impossible to apply, lacking the proper measurement instrumentations and reliable recording apparatus (Klein, 2010).

No efficient and scientifically acceptable critic evaluation of emergentism (of any currently defined kind) may be formulated without an unbiased consideration of the interactions between the brain, the biofields and the nonlocal regimes. Addressing the quantum efficiency of the Brain, requires a correct understanding of its internal bio-regulatory systems, which are evolving under a complex enfolded mechanism of layered biofields which are composed of higher-level Information structures, which are coupling into the neural apparatus, from far beyond the physical biosystem itself.

The biofield's observed coherence, and its partial inability to be localized, suggest its enfolded position, as lying between energetic and Informational processes, a taxonomical requirement which is fully satisfied by our SQ model for sentient reality (Klein, 2021b).
How are the biofields coupled into both energetic and Informational fields?

The down-conversion of multidimensional SE fields, aimed at coupling into 3D force fields, requires a novel energy/Information transduction technology (see Clarus' sympathetic

resonance technology). Sympathetic resonators are capable of SQ interactions with the electromagnetic spectrum, ordering its fundamental magnetic vector properties, and affecting, through the quantum field, interactions and physical processes which are occurring in the subatomic range (Klein & Boyd, 2023).

In Payne's concept, torque forces interact with EM, gravity and nuclear forces, modulating their respective effects, especially around biosystems (***) Subtle energy, n. d.). This observation, which is highly relevant for biofields, strongly supports the notion that of an increased Information field involvement, of the kind our SQ model suggests, regarding high-level functions which are evolving in Brain (Klein & Boyd, 2023).

We will return shortly to this topic in our next entry.

2. Mind to Brain Information transference by subtle energies

Let's briefly discuss the way eidetic Information residing in nonlocal regimes may impact neural structures obeying quantum laws. Our subquantum model for universal sentience suggests that the subquantum units preserve their ability of carrying Information into sequentially coarser mass/energy forms, by dint of their inherently hyperdimensional essence. All SQ Informational complexes are eventually space-time located. At that point they proceed to display specific mass/energy equivalencies, a feature which doesn't apply to Information while it is in the infinite-velocity-infinitesimal background condition.

Across the subtle energy bands that bridge Informational and energetic configurations, by moving into specific quantum entanglements and superposition states, Subtle Energy (SE) fields may implement highly devastating effects upon macroscopic systems, which are out of phase with the effective potentials inherent in such systems, for example, by uncontrolled activations of subquantum fields associated with biological systems.

The subtle energy systems, when operating in between organized Information fields and quantifiable energies, as related to matter, operate as a specialized mediating network, acting to coordinate the vital functions of biological forms of life, with the environment. At the same time these kinds of events are integrating the biosystem into the wide array of additional aether phenomena which occur in Nature.

Behavior patterns produced by these active information-containing subtle energies are partly subject to space-time constraints. Thus, when such information is completely coupled

into conventional matter/energy events, the resulting behaviors can display semi-stable features. These features, in turn, can allow informational dissociation events to occur, relative to normal informationally interconnected, holistic, physical networks.

The Information mediating activity of the SE fields toward the various structures of the biosystem is possible by topological correspondences established in high-density focal condensations of multi-layer SE effectors (chakras). A polarized, apparently magnetic type of bio-electricity, acts as a supersonic wave-guide traveling through biological systems, activating them into oscillatory patterns which are occurring in specific frequency bands, according to Information-controlled functional parameters (Klein & Boyd, 2008).

Korean research (Choi *et al.*, 2003) has reported light-tracing mappings of traditional meridian trajectories of bioenergy transports, data that have been further confirmed by de Vernejoul's related, radioactive tracing experiments (de Vernejoul, 1985). Moreover, using agents with various charge-density pulse configurations, selective stimulations of various rhythmical electrical brain activities, as well as hemispheric synchronization effects, have been achieved. The brain's response to Information impacting directly on it, turns out to be far beyond the range of any neural network biochemistries, even those which are bioenergetically mediated.

Chakra condensations of first order subquantum entities, living below the quantum level, holographically follow the vortex patterns overwhelmingly described in the relevant literature, starting in the Kolmogorov range ($10e-58$ m), up through the scale of Kerr-Neumann Compton radius vortices with vortex-like structures continuing through the large, up to cosmic scales of magnitude.

Per M. Hadley's experimental results, torsion fields are not bound to conventional time or space (Hadley, 2011). This corroborates with Kozyrev's tenets regarding the "energetic aspects" of time, capable of effecting the spins of elementary particles, as well as those of macroscopic bodies (Granogger, n. d.). This reminds us of R. M. Kiehn's "nanometer vortices" which are coupled metastable symmetric pairs of Falaco solitons (Kiehn, 2000).

Recent investigations address the Kolmogorov vortices which may be involved in some sort of topological connection between Euclidean space, and CP1 complex projective space, which K-vortices are containing Informational structures resulting from the collection of the

smaller information-bearing SQ entities which comprise the Kolmogorov vortices. Also, it has been earlier established that the Kolmogorov vortices are most likely the smallest of entities which are still influenced by gravitation activities of matter.

It's worth to be mentioned that the emotional conditions, and the faculties of the attention and the volition of operators of symplectic E/M transmission facilities, result in quantum field divergences and fluctuations in the vacuum (such observations have been verified in France, regarding normal E/M transmission facilities). Information resonance effects are configuring subsequent energy configurations at all the available subquantum layers of manifestation, the subtle energy (aetheric) regimes included. Chakra spin effects may well represent a holographic transcription of such topological transforms, putting the bioenergy related to living systems under the Information control supplied from the projective space CP1 (Maxim, 2024).

Mathematical analysis addressing quantum harmonic oscillators excludes zero-energy configurations even at absolute zero temperature levels. Nevertheless, this ground-state energy does not at all derive from the uncertainty principle as in conventional interpretations. Rather, the ZPE (Zero Point Energy) originates from particles living in deeper layers of the subquantum. Macroscopic wave functions responsible for quantum coherence are guided by Information controlled subquantum effectors that can enter infinite combinatorial configurations in the subtle energy (aetheric) ranges and beyond.

SE (aether) connectivity leads to trans-classical permutation freedom patterns, described as Information-controlled proemial relations (Gunther, 1972), unifying into comprehensive formulations of polyvalent logic, which may perhaps be more deeply investigated by cybernetic system-theory and other mathematical logics.

It is largely accepted that the fundamental unit of subtle energy corresponds to the “UPA” of the theosophical teachings, which consists of seven coils (spirillae) winded around each other. These direct ES (extra-sensory) observations are strongly consistent with modern super-string concepts, which consider elementary particles as various harmonics of vibration of the strings embedded into the homogenous Higgs field that fills the whole Universe. Exploring these scales of magnitude, a modern scientist wrote: *“In the modern terminology of fluid mechanics and particle physics, positive and negative UPAs are, respectively, ‘sources’ and ‘sinks’ of hyper color gauge forces positive and negative magnetic monopoles - one responsible for confinement*

of sub quarks in quarks, the other responsible for confinements of quarks in baryons, like protons and neutrons. Some force components flowing through UPAs create the strong force at the basis of all periodic table elements, the physical basis of Laszlo's 'multiverse'." (Phillips, 1999: 62).

UPA configurations inside an atomic nucleus may be impacted by external SE modulators, leading to changes in the SE flow distribution of a given substance, without any change in its chemical properties, since the total electrical charge of the nucleus stays unchanged (Morrison, 2009). SE alters physical laws in many other different ways, modifying electricity, magnetism, gravity, time and nuclear processes. Of course, other factors are also involved in SE interactions with the physical world, according to the kind of Information encoded in each. In a perfect orchestration, SE affect radioactive decay rate, the bonding characteristic of water, generation of Infrared pulsed energy and pulsed DC magnetic fields, scintillation of Lithium fluoride crystals and the banding of fast beams. Moreover, human mind is able to imprint various encoding patterns into the SE - amply documented in Y. Kronn's spectacular experiments and applicative results (Kronn. & Kamp, 2022). The effect of SE on beta-decay points to its ability to affect the weak force either directly or via quark-sub quark interactions.

The main focus of our interest is in addressing the way mind interacts with matter by means of SE, programming the SE to modulate physical energy variants according to deterministic factors of intentionality residing in non-local regimes. Of course, aside the amount of SE, there are many interfering modulators of external origin involved in the mind/matter coupling. The specific impact of SE on electromagnetic processes is highly specific according to the Information encoded in them. It has to be strongly emphasized that all subatomic particles originate in a multi-dimensional space, which allows physical expressions of non-physical sets of causal complexity.

Experimental measurements found that external supply of electromagnetic waves of different frequencies may modulate the efficiency domain of SE variants (150 Hz to 300 Hz influenced physiological processes while the 300 Hz – 450 Hz affects mental activity; Higher frequency (450 Hz to 600 Hz had an emotional sequence of influences). A mental intent creates in the SE field a pattern that carries the Informational content of the thoughts.

The non-local nature of the subtle energy field and its intrinsic connection with the human mind has been proved by Raman spectroscopy protocols. It has been also experimentally proved that there are specific connecting point between EM and SE variants. This has been displayed by Phillips's analysis of the observations of sub-quarks following guidelines inspired from traditional theosophic knowledge. SQ/SE fields are beyond conventional physicality until their transduction into quasi-physical energy variants. They can anyway interact with classical field phenomena by energy interactions. According to W. A. Tiller (1997), such energy exchanges may occur through resonance effects, between EM and SE fields by "pure" magnetic vector potentials from the ZPF that display ordering ability of fundamental magnetic properties. Via quantum field interactions, SE dynamics may impact subatomic particle behavior. This points to magnetic vectors as physical attributes of non-physical SE fields.

Our mind/brain connectivity is granted by these super-implicated orders of local and non-local field interactions. Neural correlates of mental processes correspond to the most adequate integration way of our conscious (and sub-conscious) Self into its ambient ecologic demands, using quantum dynamics.

Our fundamental assumption requires recognizing the position of pure information fields operating in non-local, hyperdimensional spheres, as ontological primes. Pure eidetic information, couples to space. This way subquantum information-charged determinants reach the sub-atomic worlds of matter via subtle energy mediation, thus impacting the quantum dynamics of mass-energy in a purposeful, deterministic process. Using for this purpose the sub-quark's special vortex configuration as interdimensional bidirectional gateway between the non-local (subquantum) and local (quantum) realms. Such dynamics, Information fields with organizing potential are vehiculated between the ZPE fluctuations in vacuum and the quantum events of the brain (and the whole biophysical system). Actually, in this process brain is showed as having no preferential position. (Quasi)-intelligent behavior has been empirically detected in living entities completely devoid of neural structures (slam mold, plants, etc.). – pointing to the primacy of fast subtle-energy mediated Informational structures vs. slow neural conduction modalities.

Survival of cells also requires restoration of broken symmetry conditions and local reversal of the entropy. Such energy-converting and up/down scaling operations, with pathognomonic value in psychiatric terms, (stress, depression and anxiety), prove that hitherto dogmatically

kept neurocentric models of consciousness have to be replaced by advanced holographic ones, which suggest an integral organismic origination and distribution of mental states at the level of Information-charged SE controlled cellular biology.

Life and Consciousness are injected to matter by the information gradients present in subtle energy fields, whose concrete structural importance in building stable subatomic structures has been mathematically proved by Prof. Nappe's TDVP model of reality processing variant (Neppe, n. d.).

Prof. W. F. Bengston (president of the Society for Scientific Exploration) referring to the SE, seems to agree with our suggestion that the effect of various forms and variants of them depends on the Information they store and transfer from non-local noetic fields to matter-modeling quantum processes (Bengston, 2012). Informational resonance effects are at the background of morphic fields that guide embryogenesis corresponding to the entity's future tasks to accomplish during its lifetime, in a fine tuned orchestration of hyperdimensional modulators operating in increasingly high layers of atemporal causality chains.

3. Reversing strong emergence in consciousness studies

In modern physics it is widely accepted that the aether ground radiation is generated by acceleration and deceleration of oscillating charges. Ether is the universal propagating media for longitudinal and transverse waves across the Universe. Its sub-quantum granulate structure is the transfer modality of energies in their wave aspects. It has a density property in the "wave constants" in all the energy wave equations. After the publication of the Michelson-Morley null experiment, Lorentz pointed out the conclusions were flawed because failing to consider the length contraction in the direction of motion. Modern computer simulation takes into account the Lorentz contraction, putting in evidence the phase shift that proves the existence of the aether.

The major inconsistency of current interpretation of torsion field propagating in the aether is emerging from the view that they are causally produced by the spin angular momentum density, which sets up polarization in two spatial cones corresponding to a left and right torsion field (Reed, n. d.).

We propose here a reversed causality effect, namely ascribing to Informationally charged torsion fields originating at the quantum foam domain at null-point energy fluctuations in the

vacuum, a primary fundamental role in inducing spin behavior at the level of elementary particles popping in and out of existence at this fundamental level of material reality. The electromagnetic field correlates of such emergent elementary particles are guided by the Information contained in the associated torsion fields and not the other way around. This approach turns emergence (both weak and strong) upside-down, without violating any of the attributes ascribed to emergence theory. The breakthrough leads to a conceptual reassessment of the matter/energy domain as the emergent side from the basic, Informational pool of cosmic guiding and implicate mechanisms performing this hyperdimensional transaction. It is truly consistent with a post-materialistic world-view, which has to gradually replace old mainstream dogmatic tenets based on an upward emergence of consciousness from neural biochemistry and interactions. It also solves the coactivity of opposed entropy vectors impacting biosystems, with a slight dominance of positive entropy in the cosmic spot where we are placed.

Our proposal bluntly contradicts the principle of physical causal closure. Nevertheless, if matter is considered an emergent property of Informational grounding, its supervenience on nonlocal modulators is granted. The invoked nomological necessity is satisfied by the ontological distinctness of the metaphysically supervenient outcome of this interdimensional transaction. The functional realization is satisfied, as well as the non-aggregability requirement of emergent properties. The causal closure principle is relocated into the nonlocal domains of Informational modulators, which supply fundamentally novel causal powers able to play out at the physical level of manifestation. The law of supervenient dependence of the emergent features holds true, while the material emergent features are causally efficacious along quantum physical laws. Determinables cannot be reductively analyzed in terms of determinates. A feature of or process within a macro-system is derivable from the prior micro-facts leading up to it in an informatically incompressive way. Thus, it is not dynamically characterizable in fundamental physical terms. What results from this interface is irreducibility of consciousness to physical properties, proto-conscious qualitative character is thus posited into the basic structure of the world (Nagel, 1979; Strawson 2006). The emergent features (matter/energy dynamics) are synchronically nomologically necessitated by the base-level Informational structures and conditions (Coleman, 2018).

The collapse challenge is totally satisfied by the particularities of physical manifestation that obey classical physical laws, unlike their base nonlocal Informational dynamics. The As

suggested by Yates, higher level features may be qualitatively (as opposed to functionally) realized, in a non-causally manner.

In this approach, strong emergence does no way imply substance dualism. Substance as such is the emergent reality from its Informational base. The requirement of being conscious implies (global workspace theory) its content being globally accessible to multiple cognitive subsystems is fully satisfied by positioning the proactive dynamics in the nonlocal noetic fields. Free choice manifests a distinctive power that is neither causally triggered nor made more or less probable by antecedent factors. Objective probabilities are conferred on possible choices from external domains to the cognitive event itself. Phenomenal intentionality is thus ontologically distinguished from effector neural sources.

Our perspective strongly emphasizes a top-down causation at the background of physical manifestation as strongly emergent from its nonlocal, Informational super implicated background.

An infinitely fine attunement of microphysical events, with causal link to macrophysical ones, is accomplished especially by torsion-fields-guided fractional spin variants and fractional electromagnetic charge modalities supplied by the Nobel prize winning Fractional Quantum Hall Effect. Vortical aether dynamics operating at near-infinite velocity (c^9) coordinate predeterminate accomplishment tracks for future structural and functional realizations by levogyre spin variants at the background of retro causal guidance. Future attractors operating in nonlocality causally impact the omnipresent toroidal amplification systems of torsion-fields mediated Information transduction mechanisms into quantum-sensitive behavior patterns in neural correlate effectors that ensure the biosystem's coherent embedding into its permanently changing ecosystem data.

The material manifestation is the strong emergent result of its Informational background modulators.

Strong emergence is thus validated, but in its reversed evolutionary vector if compared to modern materialistic attempts to define and describe its phenomenology.

Self-awareness has to be redefined in post-materialistic conceptual framework, proving the "mind over matter" axiom that leads us to the big paradigmatic shift in sciences, philosophy

and belief systems, which this way will get reconcilable under a common Informatic denominator. Reversing strong emergence may thus contribute to a meaningful step toward the Big Unified Theory of the sentient Universe we live in, at the cost of leaving behind obsolete dogmatic dictates of the past century's physicalist orientation – without violating any of its experimentally and experientially achieved understandings.

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