

Polemic debate about the newest article by Ervin Laszlo

"Who are we?"

by Peter Jakubowski (September 2016)

Polemics are usually addressed to important issues in philosophy, science, politics, or religion. They are mostly seen in arguments about controversial topics. Unlike debate, which may allow for common ground between the two disputants, a polemic is intended only to affirm one point of view while refuting the opposing point of view. What I am going to present here is some kind of argumentation between a strong polemic and a usual debate.

Dr Ervin Laszlo's dream is to understand, what is consciousness, especially our global consciousness of humanity. He is going for a long time and in many steps to the final understanding of this probably most interesting scientific topic in our present philosophy of life. His recently published (on the website of the Laszlo Institute for New Paradigm Research) booklet "Who are we?" is a summary of Laszlo's present point of view upon the best possible scientific answer to this fundamental title question of who we are.

Dr Laszlo has invited me, a physicist, to attend his Institute for New Paradigm Research, in order to introduce the new ideas of the Unified Physics into the new paradigm research. Therefore I feel myself obliged to take my part in the running debate in the Institute concerning the fundamental question of the global consciousness, even if in some points of the Laszlo's present vision I have to be really polemic with it. Thus, it is very important for me, the author, and you, the reader, to put the relations in a clear light. I am going to expand and make precise the physical base of our common research field of the general problem of consciousness. The purpose of my comment is not to criticize Dr Laszlo's present, surely not final point of view but to show some further, as I think necessary, simplifications of the physical ground of the problem.

Practically, Ervin Laszlo gives already the nearly final answer to his question. Just at the beginning of his article he writes: "Who we are is decided by what our consciousness really is." The single problem remaining to be explained is "... what our consciousness really is". However, already in the next sentence we find by

Laszlo the ballast of the old scientific paradigm of the at least four previous centuries: "If we are a being with a consciousness that truly exists in the universe, we are a body associated with a consciousness that may be infinite in both space and time."

The idea that there is "a consciousness that truly exists in the universe" is the new-paradigm idea indeed but, only if we mean the observable Universe. From the physical point of view, we cannot know, even speculate, about any unobservable part of the Universe, and still less about multiple universes, as well as unseen dimensions. Shortly, we have to look after our global consciousness inside and not outside of our observable Universe. Simply because it is our consciousness, and we are a part of the observable Universe, together with all our activities, our feelings, our dreams, our heaven or our hell.

This means further that a consciousness cannot be infinite; there is no place for infinity in our limited, observable Universe. And a consciousness cannot be something (infinite or not) "in both space and time". It is because there was no space and time prior to our observable Universe. As demonstrated in the Unified Physics (and described recently in [a series of seven articles](#) published between December 2015 and June 2017 in Physics Essays), all physical quantities, including space, time, and energy, can be seen as emerged directly with the first "Big Quantum" of the Cosmic Hierarchy of our Solar System from the Universal Creative Potential, the Quantum Creativeness, or the primordial Oneness. Nothing else than this Quantum Creativeness is necessary for to create our observable Universe in that form we can observe today.

The first question by Laszlo in the second section ("A look at the evidence") of his article is: "Is our consciousness more than a by-product of the workings of our brain?" In answering this question Laszlo gives several impressive examples of near- death experiences, out-of-body experiences and after-death experiences. Unfortunately, not only the persons that experienced them, but also all known to me researchers of those extremal experiences seem to be not informed that the mainstream science completely misunderstands the functioning of our brains.

If we accept the single assumption of the Unified Physics that the whole observed

Universe is quantized, then we also have to accept that our body (as well as our spirit) are quantized too. The Quantum Spectrum of Matter (another fundamental discovery of the Unified Physics) says us then evidently that our brain is not working with single neurons but with quanta of brain "matter", having distinctly different physical parameters (frequencies, energies, fields) than can be measured in single neurons. As long as we don't accept those differences, we can never understand how our brains are functioning. And in order to become able to explain such experiences as NDE, OBE, or ADE, we have to go even to the next level of the Quantum Spectrum of Matter, the level of super-brain quanta. It is because only those very large quanta are connecting our body and our mind with their cosmic environment where our consciousness forms an "energetic reservoir", a library of all our thoughts and feelings, independent of the fact whether our body (including our brain) is still alive or not.

In the next section (Insights from the New Paradigm: (1) What Is Our Body?) Laszlo discusses a new concept of the world emerging in the sciences:

"The realization that dawns is that the things that furnish the world are not discrete bits of matter. Surprising as it may seem, the things that furnish the world are interconnected clusters of highly tuned vibration. Our body is a cluster of vibration interacting and co-evolving with other clusters in space and time. This is not a metaphysical postulate of speculative philosophy. It is a conclusion flowing from advances in cutting-edge physics and cosmology."

And he cites the great physicist Max Planck:

"As a man who has devoted his whole life to the most clear-headed science, to the study of matter, I can tell you as a result of my research about atoms this much: There is no matter as such. All matter originates and exists only by virtue of a force which brings the particle of an atom to vibration and holds this most minute solar system of the atom together."

However, it is a quite different thing when Max Planck has said hundred years ago "There is no matter as such" and we try to say the same today: "the things that furnish the world are not discrete bits of matter." Planck was trying to make aware his contemporary scientists that the atoms are almost empty "space", and therefore

also each piece of a material object is almost empty, nothing but "space" (or field). In the new concept of the world by Laszlo matter seems to be not existing at all; we are educated to think that vibrations (like radio waves, for example) are not matter. However it is unnecessary detour, I think, and maybe even more a complication than a simplification. The Unified Physics proposes a universal definition of all possible quanta in our observable Universe on the base of the previously mentioned Quantum Creativeness and its fundamental quantum creations: quantum matter and quantum spirit.

Two-dimensional quantum space (area) and two-dimensional quantum time (period) are two inseparable aspects of our creation of the Universe on the basis of the Quantum Creativeness. As suggested by the definition of the Unified Family of all physical quantities, the axis of quantum dimensions defines all those objects we are used to name material objects, having a non-vanishing quantum area. We consider them as really existing. The axis of quantum periods defines all possible changes of the material objects defined "along" the matter axis. Furthermore, the definition suggests that an abstract, temporarily unchangeable piece of matter alone cannot be spiritually (or mentally) realized; it cannot be considered as a part of reality. That means, matter not experiencing any change in time cannot be a part of our reality, similarly like a time "flow" or circulation not combined with a non-zero material area of a quantum, cannot be considered as part of our reality, too. Quantum area (space) and quantum period (time) are two inseparable aspects of our quantum reality.

There is one additional aspect of the new world vision by Laszlo: "the things that furnish the world are interconnected clusters of highly tuned vibration." It is obvious for Ervin Laszlo that in consequence of such a definition we have to ask, as he does some lines below: "If all is vibration, what is all the vibration of? What is it that vibrates? ... Could it be energy? It could be that, if energy fills all of space. Then it is equivalent to space. This accords with the current finding that space is not empty but filled with forces and fields; it is not a vacuum, but a plenum. If energy fills space and everything in space vibrates, then it is the energy-filled plenum that vibrates. The plenum is a cosmic field of in-formed vibration. It is the fundamental field researched in physics and cosmology under various names: grand- unified field, zero-point field, universal quantum field,

implicate order, Akashic field, The cosmic field vibrates, and its vibrations constitute the things that furnish space and time....including our body. And perhaps also our consciousness, ..."

In the traditional physics, and unfortunately also in all known to me new-paradigm explanations, there is quietly supposed that we know what energy is. It is maybe more shocking for a layman than for a contemporary scientist to realize that the traditional physics doesn't propose any reasonable definition of energy. Everybody is speaking about energy, and nobody ask that simple question: what is energy? First the Unified Physics gives us such a definition in the same simple way - directly from the Quantum Creativeness, or mathematically from the Universal Unity of the Unified Family - as for any other physical quantity.

Finally, let us consider what does it mean in Laszlo's vision of the new world: "... clusters of highly tuned vibration."? What is "highly tuned" and with what? Laszlo explains in his following section:

"The coherence of the universe is entirely remarkable. There are three dozen or more "cosmological constants" that determine how the universe is structured, and changing the value of any one of them even by one billionth of its current value would produce a very different universe—in most cases, a sterile universe incapable of bringing forth life."

It is also nothing more than an unnecessary ballast from the old-paradigm science. The traditional physics has been developed by adding the knowledge piece by piece during the centuries, creating separate domains of physics, with separate quantities, units and values or constants. No connections between all of them was supposed until the Unified Family of all physical quantities has demonstrated that all those quantities, and consequently all their units and values can be derived from a single quantity and a single value, the mass of the cosmic cloud from which the Proto-Solar System has been formed several milliard years ago. Thus it is an obvious observation that all physical "constants" are closely "tuned" to each other, like 2 time 3 gives 6. It is no longer a mystery of science.

I am aware that my explanations still don't explain what consciousness is, but I am convinced that they can accelerate our research of this fascinating problem.