

New-Paradigm definition of consciousness

(Definition of consciousness is the most fascinating problem of humanity. New-Paradigm physics gives us for the first time a real possibility to define our individual and global consciousness in scientific terms of a unified quantum theory. Below is the corresponding excerpt from the newest book by Peter Jakubowski "[Unified Physics; which Einstein & co. dreamed of and is finally realised now](#)".)

Now, we are ready to define in the following table the global consciousness of humanity and the individual consciousness of every one of us as two triplets of commonly used concepts ordered in a new way, allowing to differentiate between them precisely, and use them in a scientifically verifiable context. In the proposed terminology, soul, body, and mind should be understood as the individual expressions of the global concepts of the creativeness, matter and spirit, respectively. However, in order to understand those relations more precisely, we have to consider also the second main discovery of the Unified Physics, the Quantum Spectrum of Matter-Spirit. Table I (*Section 4.3*) presents the typical values of all classes of quanta of matter-spirit possible in our Universe. We meet in that table the traditionally accepted classes of the smaller quanta of matter: molecules, atoms, atomic nuclei, and quarks. Nevertheless, we have to remember that the traditional definitions of those quanta exclude their spiritual properties at all. Also a precise scaling of all physical parameters of those quanta was impossible in the Old Paradigm of the traditional physics. What is of an immense importance for our present topic, is the classes of matter-spirit quanta above the class of the universal membranes. They are classes of the living quanta of tissue cells, nerve cells, brain cells and superbrain cells. Surprisingly enough, only the lower two has been identified till now in the living organisms. The brain quanta are completely misunderstood in neuroscience and in brain research based on the Old Paradigm. As we see in Table I, brain level quanta are completely new structures in brain, with their (macroscopic!) size between 0.05-5.0 cm. Only such large structures becoming activated in our living brain as a conglomeration of neurons and all other cells in a brain can be made

responsible for all brain activities with frequencies between 500 Hz and 0,05 Hz. This range of frequencies includes all "brain waves" observed in the traditional neuroscience and brain science. However, as far as I know, such large brain quanta, responsible for the observed frequencies, have never been defined (and investigated) in the traditional brain science.

Still worse is the unawareness of the traditional brain science of the obvious existence of the superbrain class in the natural spectrum of matter-spirit quanta. Those extremely large quanta have sizes between 5 cm and 5m; much too large for the brains of all organisms living today. The activities of those quanta happen with extremely low frequencies, ranging between 3 per minute to 3 per week, having an average value of 2 per hour (as shown in the first row of Table I). Let us note as curiosity that at least one group of researchers has already measured the brain activities with such average "super-frequency" of 2 waves per hour, unfortunately not being able (as far as I know) to explain their origin. The group directed by Günter Haffelder of a private Communication and Brain Research Institute in Stuttgart, Germany [36], has done very interesting studies of how specific frequencies (mainly expressed as music) can help our brain to learn and to repair itself.

The measurement done by Günter Haffelder became possible because we have an organ in our body allowing us to build a superbrain structures of neurons and other biological cells. It is our gut. The "gut-brain" cells are able to form such large structures with a size of average 50 cm, necessary to undertake the functions of a superbrain. We cannot "think" with our gut-brain, but we can feel with it. Physically seen, we are able to concentrate much more energy with our gut-brain than with our "normal" brain, because one superbrain quantum has its quantum energy ten thousand times higher than a usual brain quantum, collecting energy of hundred millions of neurons. It is the reason, why we experience love (and other feelings) as being so powerful. And, according to the New-Paradigm point of view, unifying all physical

properties of every quantum to each other, we have to conclude that our consciousness is a physical process (or phenomenon) like all other known processes. By the way, the new definition explains also why we cannot find any thoughts or feelings in a "dead" brain (as well as meridians in a "dead" body), when the corresponding "collective" quanta had already lost their energetic "identity".

Table XXVIII. The Unified-Physics definition of Consciousness

Global Consciousness	Individual Consciousness	Meaning of the considered entity (object / subject)*
Creativeness	Soul	M: the Universal Unity; UP: the Universal Creative Potential; QE; the potential extension (creation) of a quantum in our Universe; Phil; the expression of Oneness (Creator, God);
Matter	Body	M: the spatial creation of the Universal Creative Potential; UP: the necessary condition for a physical existence; QE; the spatial extension (size) of a quantum in our Universe; Phil; the expression of a material (body);
Spirit	Mind	M.: the temporal creation of the Universal Creative Potential; UP.: the necessary condition for a physical experience; QE; the temporal extension (duration) of a quantum in our Universe; Phil; the expression of spirituality (mind).

* M - mathematical meaning; UP - Unified-Physics meaning; QE -

quantum expression; Phil - philosophical meaning.

Our first conclusion from what has been said above is very important: Neither our individual nor our global consciousness can be immaterial, purely mental or spiritual. Both are physically describable products of our superbrain (gut-brain) influencing our individual brain. Our brain is not yet developed high enough (not large enough) to be able to develop a regular superbrain in our head. But our brain can be already modified with our superbrain (gut brain) as discovered by the Haffelder's group. Our individual soul, body, and mind are fundamental elements of our individual consciousness. They describe our individual Unity, its Existence and Experience, respectively, as shown in Table XXVIII.

Our new scientific definition of consciousness directly correlates our individual consciousness with the global consciousness of the entire (historical and presently living) humanity. With our present biophysical configuration of our average body size of about 180 cm and our brain diameter below 25 cm, we can only use our gut brain (or "belly-brain") to "feel" the global consciousness activities. It is the reason, why we are traditionally calling the records made in our "belly-brain" as sub-conscious. Merely a mirroring of those records through our still too small brain has been recognized as conscious activities or decisions. Now we see that the name sub-consciousness for our gut-brain activities is not correct. It should be called our "super consciousness", corresponding to the highest evolutionary level of the matter-spirit quanta in our Universe.

Second important conclusion from our new definition is the realisation that the superbrain activities, reaching physically the space outside of our body, is those for long looked for possibility to communicate between individuals. Research of such transpersonal communication can be finally transferred now from "para-sciences" to the rigorous science based on the New Paradigm. The global communication joins us together with all other brain-using living organisms, human beings

and higher developed animals. The collective consciousness of all users of brains and superbrains forms what we called in the defining table as the global consciousness. Its primary component is the Quantum Creativeness (or Universal Creative Potential), expressed in its material Existence and spiritual Experience.

The global communication joins us together not only with the other "brain users" but also with the surrounding cosmic environment. That is one of the sensational discoveries of the modern astrophysics, though first the New-Paradigm Unified Physics delivers a reasonable explanation of this observation. The details of this explanation has been recently published on the Open Science Academy website [37]. Thus, the global consciousness cannot be thought of as a primary "immaterial medium" of our reality, or as a building element of our observed Universe. But the part of it being influenced by our global consciousness is growing constantly (with the universal speed of light), since the first superbrain has been formed in our Family *Homo sapiens*, and with the intensity growing with the growing number of the conscious inhabitants of the Earth.

Global Consciousness is a product of all past and contemporary superbrains.
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I see the major task of the Unified Physics for the next years in the study of our global consciousness.