

It Is Time to Study Consciousness, Mind and Furthermore Clear Mechanism of Memory

Recently Nature and Science have received the submission of articles such as consciousness targeting research, because consciousness was not accepted as a scientific subject. There were too many hypotheses to evaluate them as an objective evaluation. Now more scientific possible-tools to elucidate consciousness and more scientific applying may be possible in research of consciousness. We have gotten a useful tool to evaluate consciousness of human such as functional MRI and magnetic encephalography etc. In general scientific evaluation has to be objective procedure. Thus result by itself can not to be accepted until now and these results became just hypothesis or philosophical thoughts.

Rodolfo R. Linas in *"I of the vortex from Neurons to Self"* (2002) insisted something essential of consciousness and mind. In the present time, editor in vascular neurology agree his many parts of opinions. Returning to the original question of intrinsic properties, one may propose the following; that intrinsic properties, one may propose the following; that intrinsic electro-responsiveness of the brain's elements, the neurons and the networks they weave together, generate internal representations (connections) that engender functional states. These states are specified in detail, but not context, by incoming sensory activity. That is, brain function is proposed to have two distinct components. One is the private or closed system that we that is responsible for qualities such as subjectivity and semantics; the other is an open component responsible for sensory motor transformations dealing with the relations between the private component and the external world. Because the brain operates for the most part as a closed system, it must be regarded as a reality emulator rather than a simple translator.

Electrical activity patterns that each neuron generates in the formation of a motor pattern, or any other internal pattern in the brain, must be represented in abstract geometric space. This is the vector coordinate space where sensory input and its transformation into a motor output take place. First issue is a brain or nervous system is required for moving organisms. Thus brain is a tool to predict future events. It is very important tools for survival. Our consciousness has been developed usefulness for the survival. Darwin's evolution theory indicates that only useful things at just living status may be survived and then continued delivered into the next generations. In human, neocortex, most important prefrontal lobe may operate comprehensive decisions to behavior of itself.

Actually inside of the brain has no something like signals or vehicles such as a light, sound, taste and pain. Inside of the brain has only electrical activity and chemical components as neurotransmitter and modulator. Thus sight and hearing are very confused concepts by logically thoughts. Thus we have to understand and elucidate detail mechanisms of sensory recognitions. Sight is the most evaluated field as an internal recognition from among sensory external inputs. Now by advanced external monitoring tools that showed areas of neuronal activities site or mapping of the vision treated internal transformation mechanisms have been discovered. However these are just one stopped time pattern. We need sequential neuronal activity in the brain and comprehensive recognized model.

We do not need consciousness (self-consciousness) to think visiting friend's house, drive the car and even decide which university he or she administrates. Self-consciousness is not so much used in real life. However self-consciousness gives us pseudo external environments, thus we can get passivity of clear prediction to dangerous status. Our genetic code will operate only survival, evolution of brain into get large prefrontal lobe should be evolutionary results. We do not close to feeling of sensory input such as vision, touch, pain, hearing. These may be "qualia" that is not accepted by some scientists. These qualia make us simple and clear external realities. If these qualia are not present, we cannot differentiate external real cat and background woods because real-real is not clear and simple. We make some pseudo-image of external environment after receiving electrical signals from the eyes and optic nerves. Of course real-reality may be similar to our visual image because evolution made us avoid dangerous animal and status. According to the another interesting hypothesis (Juiean jayns, origin of consciousness, 2009), right cerebral hemisphere might produce real voicing and order into left cerebral hemisphere which may be similar to self-consciousness. Past ancestors get order voice by inside of brain. They thought that it is Good's order. Later right hemisphere function of decision as a real voice might be into the self-consciousness.

Study of self-consciousness is essential part of neuroscience but also evaluation is very difficult. However we, scientist for neuroscience, have to get strong mind to elucidate true of consciousness and it is additional factor, memory. It's time to research consciousness and memory. Even though it's Good's field may be recognized at past and even now.