

Quantum Mechanics and Biology - Some New Thoughts

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ABSTRACT

Is it possible to create living organisms from inorganic material? : Whether it is possible to create living organisms? Living organisms are reduced dimensions of elementary form of consciousness. First of all let us point out that the elementary field of consciousness is only thing which is. So all divisions, we humans make in this universe are the product of our limited cognition. In essence the reality is one undivided whole, but we have to make progress and therefore we have to play with in our limitations and analyse reality part by part. So the question we asked in the beginning. Is it possible to create living organisms? In fact organisms from artificially synthesized DNA have been created. So our guess is it may not be impossible to create living organisms, but for creating sophisticated multicellular organisms we may need more than artificially synthesised DNA. According to us we have to learn to manipulate elementary field of consciousness. But there may be a limit imposed by laws of consciousness.

Keywords: Quantum Mechanics and Biology, DNA, Homo Sapiens, Quantum Analogue

I. INTRODUCTION

A Theory of Everything

The biological organisms can also be viewed as quantum computational algorithms (and quantum computation may generate consciousness). In biological organisms everything is either random or determined. The randomness can be explained by quantum physics and deterministic events can be explained by classical physics. Thus-Universal consciousness (read quantum computation) is everything. It may be possible to create conscious machines, since if we are able to create quantum computers of sufficient complexity; it will make them conscious (as per our definition of the consciousness). *Homo sapiens* in future may be controlled by these quantum computers who will be much more advanced than them.

Quantum Mechanics and History of mankind

It is pertinent to ask the question why the events that took place in the history of mankind took place in the first place. Weren't there any other possibilities? Why a particular path was chosen? If we go by linear logic the

various possibilities seem equally probable. Why then a particular turn of events? The answer according to us lies in quantum mechanics. Broadly quantum mechanics is probabilistic. The outcome according to quantum mechanics is not determinate. Sometimes the outcomes are equally probable or at least possible. So at many times in human history there were outcomes which were equally probable and it was a matter of chance which outcome was chosen.

Entanglement and Consciousness

We have proposed in our earlier papers that matter has emerged from consciousness by reduction of the number of dimensions. More clearly we have proposed that consciousness is an infinite dimensional quantum computer and the space time has emerged by reduction of some dimensions of the consciousness. Now advances in physics have shown something of an analogous nature. It has been shown that space-time may emerge from quantum entanglement. It is noteworthy that we have proposed that consciousness is an infinite dimensional quantum computer. Thus entanglement is an indispensable part of the consciousness. And from this emerges space-time.

Evolution and Quantum Mechanics

The genetic variation generated by mutations can be explained by quantum theory. According to this hypothesis the genes can be considered as qubits (Quantum analogue of bits). Since the qubits themselves are governed by laws of quantum mechanics, the quantum mechanics can be invoked at the level of mechanism generating mutations. Mutations can occur if a mistake is made as DNA copies itself during cell division. Why a particular gene is mutated, will be governed by laws of quantum mechanics.

II. REFERENCES

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