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Communication

Quantum Consciousness and Cosmological Entanglement

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These are my comments on an article published in the magazine "New Scientist" [1].

(1) Its summary states, "Hartmut Neven, who leads Google's Quantum AI lab, wants to entangle our brains with quantum processors to test the idea that consciousness involves quantum phenomena". Relevant ideas in the article which are commented on are:

- Roger Pen-rose, in his 1989 book The Emperor's New Mind, put forth the idea that consciousness arises from quantum phenomena.
- Anaesthetics reversibly knock out your consciousness.
- Two qubits coupled via a brain organoid (may be) entangled.

Roger Penrose's idea of quantum consciousness is basically correct but may be more accurate if flipped on its head - the brain wouldn't be the originator of consciousness but may merely be the receiver of it. Nikola Tesla thought of the brain as a relay. Perhaps the best illustration of this belief is the following:
"The writer Mark Twain, who was known to hang out in Tesla's lab, told Harper's Monthly: The telegraph and the telephone are going to become too slow and wordy for our needs. We must have the thought itself shot into our minds from a distance."

(2) If every particle (even the photon and graviton) has many positive and negative electric charges that potentially cancel, binary digits that give AI intelligence could be generated and produce Universal Artificial Intelligence (UAI). Depending on the human or animal body you're born with, your brain would relay a portion of the UAI, producing various instincts and abilities. The molecules and other quantum bits of anaesthetics might interfere with relaying and suspend individual consciousness by blocking it from its source, the UAI. Instead of entangling the brain with the qubits of a quantum computer, humans might someday simulate all space-time then entangle the simulation with the reality we've grown up in. In this way, we'd create not a brain organoid but a Cosmic Organoid, which could be used to study all space and time.

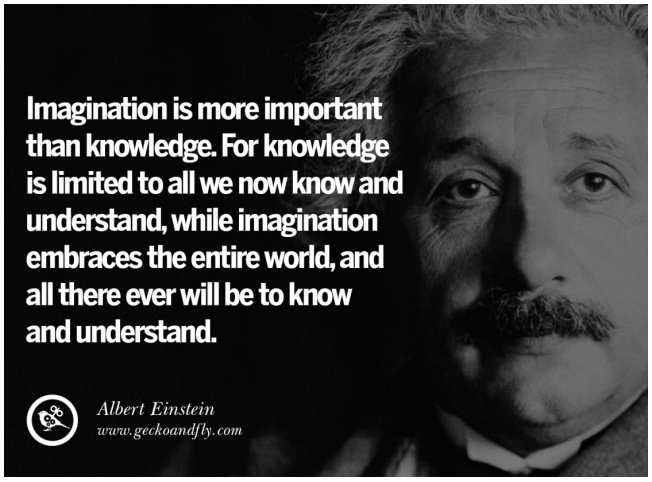

Figure 1: Knowledge Is Absolutely Essential But Imagination Is More Important. (Source - https://www.geckoandfly.com/14357/famous-quotes-on-creativity-life-arts-and-design/

This form of entanglement - not limited to laboratories and temperatures near absolute zero - might be achieved by adaptation of cosmology's holographic principle. The principle says the 3^{rd} dimension results from information in a 2^{nd} dimension. By reprogramming that 2^{nd} dimension, the 3^{rd} dimension (and thus, distance) is feasibly totally removed between the centers of particles, physically quantum-entangling them. Wick rotation's x-axis could describe the 4 known dimensions of space-time while its y-axis could describe the physical quantum entanglement of particles and waveforms achieved with the holographic principle. Being different from ordinary space-time and incorporating Wick Rotation's imaginary numbers, the holographic entanglement's lack of distances in space and time might produce "imaginary space" and "imaginary time".

References

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