

Arvydas Tamulis and friends:

This proposal of Arvydas Tamulis is quite brilliant! I have a short question inspired by these ideas. Under the specific topic of: Development of Quantum Entanglement and application of nano-devices. Arvydas Tamulis your proposal includes synthetic microtubule neural structures. Could you imagine designing a device to give clean quantum power from harvesting and compounding the beat frequency manifest vibrational perturbations from MT structures you design and create as a self organizing system? Here is the idea. You and your group may be able to make reality of this simple notion, and provide clean quantum power:

In the 2014 *Consciousness in the universe A review of the 'Orch OR' theory*, we find the following on page 63: "proteins involved in photosynthesis [123,124], these being thought to be mediated by coherent protein mechanical vibrations [125], very similar to a mechanism proposed by Fröhlich over 40 years ago, and to the mechanism we propose here in tubulin." And on page 68: "*Anirban Bandyopadhyay's group has found coherent gigahertz, megahertz and kilohertz excitations in single MTs*" If these statements are true, and they appear to be, a source of pollution free power may be constructed to harness the energies of the vacuum.

The amplitude compounding harmonic multiplier:

The amplitude compounding harmonic multiplier is an idea for a simple device which uses frequency phase synchronized additive compounding of amplitude to harvest energy from mechanical quantum vibratory resonance in microtubules. The unit is composed of two functional sections:

1. The harmonic generator: As there is an inverse relation between the size of an object and its rate of wave function collapse, an object composed of microtubules is artificially constructed to specific proportions calculated to create the correct mass and systemic intra-connectivity so as to yield coherent vibrational output [beat frequencies] in a usable frequency range.
2. Attached to the output of the frequency generator is the compounding harmonic multiplier. The principle is that of a mechanical "mnemonic" retention (sustained resonance) created via organized sympathetic vibration, and phase aligned amplitude extension. A thin metal plate, or thin wire under tension [perhaps constrained, simplified in its vibrational complexity by a magnetic field], constructed to specific dimension to vibrate in precise time with the frequency of the generator will act as a short term store, a

mechanical memory if you will. As phase alignment is maintained between the resonant surface and the output from the generator, the amplitudes compound to form a wave of greater and greater energetic proportion by function of compounded amplitude. The accumulated energy is then harvested by way of a magnetic field, or mechanical extraction which removes a portion of amplitude, while leaving frequency stable.

Rich Norman www.mindmagazine.net

In reply:

Dear Rich Norman,

I do not plan to get “clean quantum power” in the “wet and warm” biomolecular systems. That it impossible and do not necessary for achievement of my planed quantum entanglement investigations works in nano biorobots, and in natural and synthetic neural networks.

Despite of chaotic vibrations, the natural or synthetic biomolecular systems time by time returning to their own quantum coherent state and it is enough for quantum entangled communication with external world. By such a way in the nature works Solar energy harvesting in some bacteria and navigation of around 50 species of birds, insects, fishes.

With best regards,

Arvydas