

The new Bohmian mechanics: an empirical approach to the quantum/psychical dynamic

- a. There is no greater impediment to the steady progress of human knowledge, than the confederacy of human opinion.
- b. Consensus is a limit past which truth is excluded.

History is littered with the carnage of truth as it is obscured, soiled and consumed by the multiplicity of falsehood in human affairs. From the false Cartesian dualism to the reactions concerning revelations about our real place in the solar system, there is no shortage of examples where consensus has worked its hideous magic upon the truth. I may have found another, and this time, it appears the very fabric upon which physics is based has been compromised. There are many ways to arrive by way of calculation at a particular true conclusion. However, the assumptions upon which those methods are based matter, for when a method of thinking is pushed to its limits, those limits are often concealed, and so, the facts we find to support or right-minded conclusions may well be in error. Consensus often makes falsehood palatable, and so, creates an overly complex and strange world. Witness quantum mechanics. Perhaps there is a way to straighten this theory out, and then, test what was once thought untestable. I wish to propose a physics experiment which will allow empirical assessment of theories which imply a connectivity between mental and physical processes such as my theory of the temporal field and temporal mass, or, the CTMU (please see the section "Christopher Langan's CTMU" in this publication). First, we must assess the current situation and make a few adjustments. To understand this essay one must understand temporal mass and the temporal field, so, it is vital that the reader first take in three essays on this site entitled: 1. What if Roger's right? a. Reality and the quantum basis of affect—b. Entangled intra-connectivity and universal cognition—c. Temporal Mass; 2. Three new ideas—quantum energy, the temporal field, unconscious processes and black hole holography; 3. Neuroquantology and the Cartesian Dualism: The bitter cleft of a closed mind.

I will begin with a few stray observations and then spell out a linear experiment. Firstly, please recall my assertion that a fractal relation of self-similarity, not pure isomorphism [it is unlikely to copy a quantum state exactly], exists between the various manifestations we observe here in the classical world, which demonstrate their quantum genesis not as a true isomorphism, but as a self-similar relation (implying some variance between levels). This implies we can learn, in part, about one level, either macro or micro by observing what is available to us in this ontological and physical level of the fractal. We will end up with physics and experiment, but we will arrive there by analysis of what is available to observation. I have observed via unconscious access but few instances (1) of superposition, and indeed, it seems silly and inefficient of nature to produce outcomes in an unseen pile and select what we observe! How wasteful of her! Unlikely. So I believe the many, many thousands of directly observed unconscious instances of atemporal spatially proximate entanglement are likely manifestations of true quantum subspace/reality, and give less credence to the idea of superposition, which is simply a useful mathematical formalism. Approximations and a statistical quantum approach

using probability only reveal limitation in the current model...and that may soon change.

To look at the problem as a quantum problem yields blind-sight, the nonlinear nature is as a self-referential tautology...measure the experiment and change it...you can not win! The double slit experiment is the all of it in a nutshell! So, we must understand that we are only guessing to use probabilities and be quantum thinkers, and must look to human nature and find the problem...for all blindness is a problem with our "eyes"...is it not? Read this, and see:

<http://www.wired.com/2014/06/the-new-quantum-reality/>

People. They decided to believe a fake proof and pilot wave theory was ruined. Bell and Einstein knew better.

"von Neumann's proof was shown to be false, but by then the damage was done. The physicist David Bohm resurrected pilot-wave theory in a modified form in 1952, with Einstein's encouragement, and made clear that it did work, but it never caught on. (The theory is also known as de Broglie-Bohm theory, or Bohmian mechanics.)

Later, the Northern Irish physicist John Stewart Bell went on to prove a seminal theorem that many physicists today misinterpret as rendering hidden variables impossible. But Bell supported pilot-wave theory. He was the one who pointed out the flaws in von Neumann's original proof. And in 1986 he wrote that pilot-wave theory "seems to me so natural and simple, to resolve the wave-particle dilemma in such a clear and ordinary way, that it is a great mystery to me that it was so generally ignored."

Here we have a better idea. There is no wave particle duality...the double slit problem vanishes! There is no more silly wondering if a probability wave is real, or trying to find its "home" and location! The pilot wave, although described quantum mechanically, is a wave, not a probability! It creates the observed cancelation pattern. Superposition is now but a highly useful piece of mathematical formalism, the reality of which is not implied by the theory...the cat is either dead or alive!

<http://arxiv.org/pdf/quant-ph/0112008.pdf> (p. 7-8)

First I will state the new situation is that in the interference pattern in a double slit experiment we are looking not at uncertainty, an outcome waiting for collapse by way of the observer, no...we see the opposite! The interference pattern is the position information of the particle itself—Specifically: The Uncertainty Resolution Information. (My term). That is what is carried in the pilot wave. This TELLS you where the particle will go! Perhaps...it is even a specific barrier of physical resistance/attraction causing the motion of the particle as it travels behind... that is implied, but a bit tidy...let us stick to the clear and less specific inference—the pilot wave/interference pattern is the Uncertainty Resolution Information. Not uncertainty...but the information and mechanism by which the position is to be created. This is just as implied in my temporal field theory. Now, we can see we DO have a complete outcome! This IS the information

about the particle's position! When we add temporal mass to the field we see the position of the particle. The situation is not altered in its outcome only made more clear...revealed...further resolved. I will state an obvious experiment below all this.

Now time is no longer strange and spooky for most of our new model. This is not a bad thing as you will see. It is accurate! Time must be as time must be...moving forward and only forward! The cross temporal cancelations guiding the system are not time moving in reverse...never! Whew...this is sensible! They are normal waves created from a previous event interacting with the forward moving system...no more time going backward...how normal! Do not judge yet...there is more!

Just as the psychical unconscious demonstrates a fractal self-similar relation to quantum entangled states [proximate non-spacial contact of atemporal events] so should the oil drop and pilot wave resemble in many but not all aspects the macro and micro, and we may infer: 1. a particle travels and is connected to a pilot wave which comes before it...a ripple in fluidic subspace, 2. a particle like an electron is structured, and also, potentially malleable.

Now...have this fresh thought: As transmission of entangled information is instantaneous, we know the idea of distance does not apply to the phenomenon, therefore, time is absent in this aspect! What connection is instantaneous is outside of linear distance and time. Time does not influence communication speed. The effect across linear distance is atemporal, and aspatial...instantaneous and proximate. The relation to our ontological place in the fractal structure is obvious. This is as I have said...the unconscious aspect of physics...the underlying genesis...the formative underpinnings. The new physics implies: Time never moves backward...it either is absent (unconscious/entangled nonlocal)...or moves forward...the mechanism as has been said is the evolution and resolution of entangled states! Those entangled states which are unresolved (nonlocal phenomenon), are necessarily timeless. (Nonlocal phenomena in the paradigm are accounted for by way of hypothesized chaotic mnemonic retention structured into fluidic subspace).

So, for the idea of superposition please substitute the undifferentiated field potential of the vacuum energy density in fluctuation as a self-observing system: the potential for all outcomes and states. Superposition in the usual mathematical sense is now but a highly useful computational aid, and not an implication about reality! As to outcomes...Nature

will pick...ONE! Think of an entangled state as a discreet coherent quantum outcome. Outcomes are single, and so, the potential multiplicity need not go to any other weird world; double slit cancelation patterns now carry the very information which is certainty itself—The Uncertainty Resolution Information...the more distinct the pattern the better the outcome predictions match...the article is clear! The observer further resolves (reveals in manifest domain) the outcome via the addition of temporal mass to the system...or so I believe. Now we can test and see if it is true...see if there IS or IS NOT a demonstrable connection between mental processes and physics, and if there is a demonstrable interaction where one may use mind to affect events! Do we really gather the future in hand and become what we unconsciously think...in a literal sense as physics...as a function of temporal mass influencing future physical events? Perhaps our unconscious/preconscious processing time is simply a reflection of our slow biological system at this level, and the effect once conjured is instantaneous...and...if all this is true, we are now in a nearly classical world...and can test! There is enough classical meat to find the quantum, or, disprove its effects are as we believe! Better! An experiment is now available to imagine:

1. One must first verify that a clear relationship as theoretically postulated does indeed exist between the pilot wave, the cancelation pattern and the position of the particle in experiments.
2. Then, one should be able to use unconscious processing, unconscious thought, to influence the pilot wave/cancelation pattern, and hence by implication influence the direction and position of a particle.

As unconscious mentation is the active principle I have implied by the fractal relation (this conclusion if not the rationale is shared by a host of other theorists like Penrose)...many issues such as potential summing of the undoubtedly weak effect, and/or, its valence and consistency must be addressed. These are surmountable. Now, the situation is a bit brighter. The paradox is gone...in fact...it never was.

It is now possible to reformulate the mechanics creating temporal mass: It is generally accepted that entangled states can be measured, and that some objects exhibit no entanglement with others. Now, as all things have their genesis in the Planck nugget/singularity and were formed from those energies/masses being compressed together, the theory is not correct. The measure of entanglement is never zero...never. Always a tiny fraction of some sort must exist even in the lowest measure. Now, the brain is only self-similar to quantum processes and therefore demonstrates unconscious processing which is somewhat slow and *appears* as *cross temporal mobility*...the various aspects...Ie., neocortex as long term mnemonic store, other associated structures representing future mentation, and other conjunctions pondering present experience. The unconscious aspects once the processing is begun and exercised to sum their effects then, create temporal mass. This is however, an entangled nonlocal phenomenon both

instantaneous and atemporal. The implication of that is interesting: temporal mass then, will function by way of altering the entanglement between one's self, and, the objects constituent in unconscious mentation. That means the entangled strength *instantly* alters across distance and time with unconscious thought...as neither are present in the quantum/unconscious level. The effect of temporal mass, should it exist, is therefore created via alteration in specific entangled measures corresponding to unconscious mentation. Temporal mass creates not increased probability outcomes, but deterministically strengthens entangled contact. That, is what alters the probabilities, which are not probabilities as such, but are steps along the way to reconfiguration of the entangled distribution. This distribution can attach itself to any object in the universe, as all such objects exhibit some level of entangled kinship with the rest. It is only the strength of those atemporal nonlocal bonds which are altered. That should be the mechanism of mentation as it affects physical probability...which is not probability...but is always specific in its relation to all things.

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