

The Double Slit Experiment & the Role of the Observer II

In my first reply to the various queries regarding the effect of observation upon the whole range of Double Slit Experiments, I didn't directly attempt to answer those queries, because I frankly cannot compete with those to whom this is the most crucial element in the whole discussion.

When things are totally transformed by such an intervention, the conclusion is never a concrete alternative explanation, but, on the contrary, a, "*There you are! I told you that you couldn't explain it. It is unexplainable, and all your attempts are mere "self-kid"*

How can you possibly answer that?

Now, such a standpoint has (remarkably) become the consensus position in Sub Atomic Physics. It is based upon The Copenhagen Interpretation of Quantum Theory put forwards by Bohr and Heisenberg, and became more or less victorious by the end of the Solvay Conference of 1927. They insisted that all explanations must be abandoned, and the only reliable achievements in Science were **Equations**.

"*Disembodied Laws drive Reality*", was their principle, and as such they had abandoned Materialism for Idealism.

Now, perhaps the first and most remarkable, intellectual achievements of Man were also totally idealist. They were achieved in the remarkable formulation of **Euclidean Geometry** by the ancient Greeks, and have persisted ever since, because of their power and consistency in Logic, but also because of their effective USE too.

Such an amalgam of both Form and Prediction has proved to be irresistible. So much so, that even when Experimental Science finally began, its main principle was embodied in the isolating, constraining and control of selected locations, designed expressly to reveal these remarkable features, and allow their effective purposive use.

Now, in spite of this "farming", great things were achieved - and for the same reasons as they were in agriculture. To isolate, constrain and control nature in Farming revolutionised Mankind's production of food and precipitated the whole Neolithic Revolution, which also led to pottery, weaving, animal husbandry and many other remarkable advances that were predicated on that transformation too.

So, the advances made by Mankind have not been straight up – like climbing a ladder, but much more like the zigzag traversing necessary to climb a precipitous rock face.

The remarkable thing about Human Intelligence is that it can harvest the most remarkable gains out of the most meagre advances.

But such methods have major drawbacks too, and you just might find yourself at the top of the wrong mountain. The march of progress encounters many mistaken routes and dead ends. Plurality, in spite of its achievements has finally reached its limits.

Postscript: Now, though it may not be evident from this isolated animation, this researcher is not a pluralist. He sees substantial evidence that laws do not drive Reality, but the exact opposite – Reality causes Laws, and if you change Reality, you will change the resultant law. It is an holistic view, rather than a pluralist one, and becomes crucial in all areas of Qualitative Change, and most particularly in what are termed **Emergences** – the radical changes of Level that occur in situations such as the Origin of Life on Earth, the Advent of Consciousness, and (guess what?) the transition between the sub atomic Level and the atomic Level.

So a simple logical change to any theory will never deliver a watertight and final answer to all contradictions and dichotomies, for such are intrinsic to these changes when viewed solely from the ground of Stability, and will never be transcended by some pluralist law.

P.P.S. One critic condemned the theory embodied in the given animation, because it didn't explain the Double Slit when used with single photons, atoms and even molecules. The question answers itself, if the same patterns occurred with all these very different entities, it must be to do with something else, which is common to all these cases. This scientist has proposed a paving of all space within our Universe by Empty Photons, and it is these that are affected by observers.

Jim Schofield October 2011

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