

Downwards Through an Emergence? – Paper II

Penetrating the producing Level

Within a previous Level, the players in the drama were at least constant (they didn't change into someone else). But, in an Emergence, a whole new play, with unheard of characters, and entirely new plot lines, had to be dealt with.

Even so, many courageous attempts have been made, and salutary experiments had been carried out to throw light on the biggest and hardest to explain of all Emergences – that of Life from inanimate matter!

Miller's Experiment and Oparin's efforts in this area were considerable contributions, but even with such efforts, no-one can say that this problem has been cracked. The contributions have ALL been in possible **lower level** processes preparatory to an Emergence, and not about the processes of Emergence itself.

But, though Emergences have been neglected the consequent Levels that they have produced have not!

We have the areas of Physics and Chemistry of inanimate matter on one side of the Emergence, and that of Biology and Biochemistry on the other, and these have been deeply studied and their entities, qualities and laws revealed. Though no real trajectory between the Levels have been demonstrated, the scientists have effectively just ignored the transitions and concentrated on the Levels themselves.

Now, all this is not to say that the scientific description and explanation of inter Level transitions will not be tackled and solved in time, but the whole conceptuality and methods involved will have to be very different from the intra Level methods we have used so far.

An Emergence is the most complicated and amazing Event in Reality, with a rich internal content and progression of its own, including many transitory sub-stages, replacing one with another in quick succession until a new stable Level emerges and the major upheavals finally subside into a dependable and investigatable new realm.

Now, my original reason for this preamble must be returned to – The Emergence of the Macro worlds of Physics and Chemistry *from* that at the sub Atomic realm.

This had turned out to be a major problem for two reasons. First, all the analogies which we use from present knowledge to model NEW areas of study are from the macro Levels, and DO NOT FIT the sub Atomic Level at all. Secondly, this transition is undoubtedly an Emergence, with all the problems outlined above concerning the Emergence of Life from non-living matter applicable here too. In the same way, the explanation of the macro world directly in terms of Quantum Theory has turned out to be impossible, and here I DO mean impossible in its usual sense.

Why?

Because the scientists studying this area have abandoned Explanation entirely, because they have failed to do it across the Emergence Boundary, and retreated into using ONLY mathematical formulae. We therefore have all the problems of Domain limited equations, PLUS no real attempt at qualitative explanation to bridge the unavoidable failures of the formulae involved. And to cap it all, we have an Emergence across which Reductionist sequences from the immediately prior Level CANNOT pass. The abandonment of explanation AND the non recognition of the Emergence puts the formulae of Quantum Theory into perspective. It stinks! Relying solely on equations means that NONE can take them beyond their individual Domains of Applicability, and with no Explanations as a generalist context, so their formulae simply DON'T relate. They are a catalogue of particulars with no generality. And they also have no agenda for determining the transition to the New Level. For them it simply doesn't exist.

Now, I am fully aware that all these scientists will jump up as one to loudly protest. But what I have stated is nonetheless completely true. The methods used by "mathematical" scientists to paper over the cracks are ALL that they have left to address their insurmountable problems. The crudest is what I call "additive complexity". This "method" involves adding terms from other equations (in other domains) into a "core" equation. This is supposed to "bridge the gap". With suitable "determining variables", the amalgam can be tailored so that the inappropriate terms will vanish, in each particular domain, leaving the original form for it. Can anyone tell me what this EXPLAINS? It's alright, I DO know the answer. It explains NOTHING. It is a

pragmatic “frig” Such methods by definition are totally retrospective, they give the right answers in the right places, but never tell us anything about the physical transitions that have occurred. These methods are alright in practical situations (Technology), but entirely inappropriate in explanation (Science). The transition from the Atomic realm to the following Levels is not only an Emergence of great importance, but it is totally INVISIBLE to the “experts” who are currently involved in its study. The questions are too important to be left in the hands of these amateurs, who have abandoned everything except the most empty and contentless abstractions, and further have proceeded to glue their disparate unconnected equations together with either Formal Mathematical Proofs, or, even worse, Pure Speculation

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