

The Nature of Reality – Paper IV

IV. The Emergence of a New Level

On rare occasions the new situation will be better than the old, and the alternatives could be merged into a more complex “hybrid” form. On these occasions, and by the usual methods, these could accelerate to completely swamp the locality due to their superiority and a wholly new situation could emerge.

This new situation is of a completely different nature to the old one, what we describe as a New Level brought about by an **Emergence**.

Now before we discuss the new Level, we must deal with the remnants of the preceding Level. Both the previous systems will still survive, OUTSIDE OF the aegis of the new Level, and in patches their position will remain unchanged, with one or another becoming the dominant system, and its entities, processes and laws still pertaining. The most likely occurrence, outside of the new Level, will be that one of the old contenders will dominate in some areas, while the other will be dominant in others.

But, within the New Level, those contributory systems will now have become negligible, while the new amalgams will Dominate, within which the old previous systems will either be controlled and constrained, or totally subsumed in the NEW system.

Once again, the scenario just described still hasn't actually travelled all the way to LIFE, but it has established a NECESSARY alternative to strict Pluralism, and is indeed more true, and unavoidable if we are to deal with Emergences.

Reality may be decomposed into parts (by us) like the originally dominant systems of processes, but that is never the whole truth. Other things, NOT even recognised, and certainly NOT considered, are also involved. And what's more, can, in pre-Emergence situations precipitate a change to a New Level of organisation, with New sets of processes (new entities?), and new properties and Laws.

We have a **non-Pluralistic model of Reality**, which uses Plurality, not as an irrefutable basis of Reality itself, but as a pragmatic method of understanding any particularly complex and difficult problem. Now, our investigations into Reality HAVE also to consider something very different to the corollary of Pluralism – Additive Synthesis, where artificially constructed “parts” have to be used to re-construct and explain their “wholes”

Now, we must re-assess the hidden negligibles AS WELL, and must use a new dynamic, where parts are not permanent, and will even dissolve into negligible proportions themselves under quite different pressures.

What else does the new approach demolish?

It makes Reductionism clearly limited in its range of application. It ceases to be an absolute method. It, indeed, is bound to fail under crucial circumstance.

Perhaps we should re-iterate what I have said elsewhere about mathematical “formulae”, for they are the ubiquitous “useful forms” of relationships extracted from Reality, and indeed, are nowadays frequently promoted to be said to be the Essences of Reality. Now these have been clearly shown to pertain ONLY within a given Domain of Applicability, outside of which they always “blow up” and give nonsensical values for the controlled variables. When you think about it, the clearer these situations become, what happens to the laws of solids, when our substances melt? Do these laws seamlessly transform themselves into the quite different laws of liquids, and then in turn at the boiling point, once again self-transform into those of gases? They do not!

Using the above mentioned method of Add

itive Synthesis, pragmatic scientists add terms to their initial laws to extend their generality. But these methods are merely artificial, retrospective frigs. You cannot derive the add-ons from the original formulae. The forms of the added terms are manipulated so that they vanish outside of their Domain. So taking a simple example, we are given $A + B = C$, which reduces to $A = C$ in the first domain, and $B = C$ in the second. No causal explanation is involved, merely thresholds and flip-overs.

Now these last two paragraphs have moved away from Emergence, because these questions are important too. But, returning to the question of Emergence we are also debunking another shibboleth of Science, namely Reductionism. This again is revealed to be a Method applicable only while the “parts” our qualitative theories inter-relate continue to exist as useful entities. As our discussion of Emergence has shown, these “parts” can “dissolve away” at Emergence boundaries, and hence sequences of theories – Reductionism dissolves away with them. As the parts after the Emergence are new and unrelated ones, NO carry over is possible. Reductionist sequences will always fail at an Emergence.

The hope of believers in Essence and Reductionism are thus demolished by this simple investigation into the bases of our approach to Reality. The demise of Pluralism as **a given** in all ideas about Reality has demolished what seemed to be unassailable bankers in our long standing approach.

Pluralism is not true, and if our theories are based on “parts” (variables) which persist, and used in those contexts, then how can they continue to be used in situations where those parts have effectively ceased to exist? To also see it another way – how can we use a method that totally ignore as non existent, precisely those areas which will produce the complete overthrow of the old in entirely New Levels with entirely New Laws. With such an approach we can't have the slightest inkling of what is going on in an Emergence, and try as we might juggling our lower Level laws, we will NEVER explain the New Level realities. Those who expect to find the secret of Life in inanimate chemical reactions are doomed to failure. They are looking in the wrong place, with the wrong tools and the wrong bases and assumptions. Sorry folks!

What has to happen is a separation between Being and Epistemology (Knowledge and Conceptions). They are, quite obviously, not the same thing. The first step must be to be aware of, and admit, the epistemological nature of most of our methods in dealing with Reality. There is not much Absolute Truth embedded in these methods, but there has to be, and is, a great deal of relative truths and Didactic models – that direct us forwards. And we must also be constantly on our guard against the promotion of these things into Being (or even higher as the Essence of Reality). For, let's face it, that is what is often done!

VI. Conclusions

So, Plurality, which seemed an obvious basis for our study of Reality, turned out to have major flaws. So, though we had no choice but to commence with this conception, it could not endure!

It turned out to be both inaccurate and ultimately counter-productive. Of course, such assumptions cannot be condemned from the outset. Plurality for an exceptionally long period was an excellent pragmatic way of starting to tackle the complexity of Reality, and its successes were considerable. But things DO become their opposites, and after a certain stage in Mankind's effort to make sense of this World, the first murmurings and emerging evidence began to suggest that the method was flawed.

Zeno, centuries ahead of his contemporaries, was the thinker who realised that the method was incorrect, and exposed it in a remarkable way with his Set of Paradoxes. But, he was ignored as a “mistaken cynic” for millennia. By the 20th century though, counter indicative evidence became legion, and major compromises, fixes and frigs were everywhere necessary to accommodate this basic error. Natural Philosophy had already splintered into a plethora of Special Sciences and many other Subjects, but also within the Primary Science of Physics, all hell broke loose. By the 1930s Christopher Caudwell had written *The Crisis in Physics*, and though he didn't actually have the answers, he certainly revealed some of the major questions.

By the present day, Physics (and Cosmology) has become stuffed with maths-led, speculative inventions, that have, more or less, put a full stop to the explanatory methods of the past. The Salvation of Science is in tackling the major revolutions in the evolution of matter – Emergences, and through this re-found the bases of our study of Reality. It is this area where the missing aspects are, and should enable an alternative to Pluralism and its concomitant dustbin for the “negligible”

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