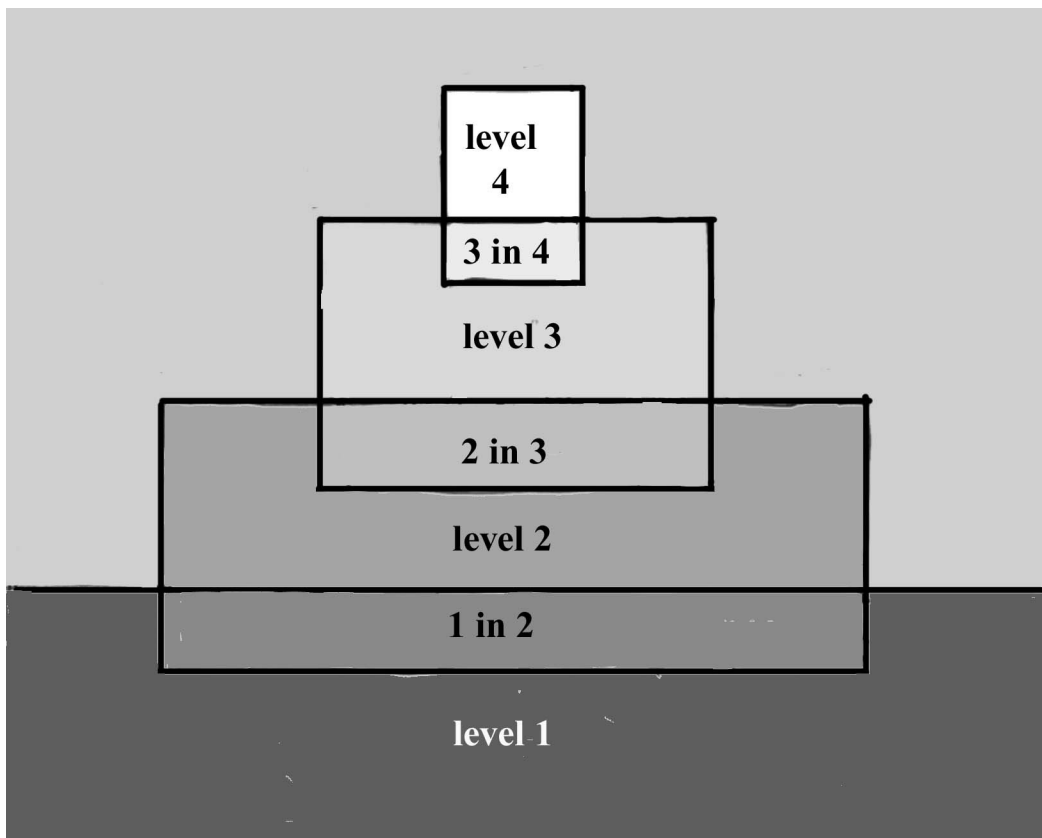


Addendum to Diagrams of Emergence (*emergdiags1a.doc*)

One of the diagrams in the referred to paper was unsatisfactory, so here is a first update.



Now, if this new version is true, it is profoundly important!

What seems to be going on in the sequence of Emergent Levels is a crucial process, which must not be oversimplified and hence distorted. From the entities, relations, processes and laws of a Lower Level, via an encroaching undermining and cataclysmic breakdown of the old Level's stability, a New Level *emerges* in which several things have happened.

A subset of processes from the producing Level **persist**, but they must be intrinsically conducive to the new Level, while many others fade away, and still more **grow** in significance seemingly from nowhere as the constraints of the old Level vanish, and what were previously impossible processes, now begin to add to the new mix. This entirely new set of resources and processes begin to arise as increasingly important *local* patches, which –then quickly proliferate to characterise the Level as a whole.

The revolution of the Emergence has *selected* these and *prohibited* all others within its aegis (which is still **not** universal of course).

Now, we must remember that outside of the new Level, ALL the old possibilities of the previous Level still exist, and there remain fairly equally likely (or perhaps better stated as equally unlikely). While at the same time many of the crucial processes of the new Level could still not survive in the persisting old Level areas: they would certainly perish there.

So the New Level is *local*! Within it, however, the selected and newly allowed processes have formed a tightly conducive set - so much so that the Level will continue to persist and grow! The odds for the included processes have shortened considerably from the prodigiously long ones **outside**, to greatly more likely odds **within**.

Impossibilities have become possibilities.

Possibilities have become probabilities.

And probabilities have actually become *inevitable*!

The myth of the long wait for the billions to 1 chance to occur, which then precipitates the next stage, has been dumped along with its formal **Probability Theory** and its assumed formal **Random Chance**.

And the crime of making Random Chance and Probability into *causes* has become buried by this Event, as a myth!

Even without the Emergent turnover, the method of using descriptions as causes was always rubbish, and now must be consigned to the scrapheap forever.

Probability Theory is OK in ideal situations where all possibilities are of exactly equal weight – as in dice faces or packs of cards. And this is because the chances are eternal and equal. In developing Reality however, chances are NOT of equal weight, and *change* in likelihood all the time as conditions evolve! You cannot use a simplified and even an abstract fiction as a *cause* in the real world. It is nonsense!

The ideas contained in this series of papers by Jim Schofield do not, as yet, provide a full explanation of the actual processes of the Evolution of Matter, but they are a start, and the whole area of Emergences is that which will provide us with the future of scientific research and Theory.

(536 words)