

TWO REASONS CLASH

The 'intersection of the timeless with time' presents a clash of explanations or types of explanation. This reflects the dynamic tension that hyperaxis or whatever has to resolve.

Along the way of time (actualisation) we have *causality* where what has come before determines what comes after. This is true even in regard to 'chaos' since this is simply the outcome of causes that are extremely sensitive to initial conditions.

Along the way of the timeless we have *information* in the Bohmian sense of 'putting the form in'. Since we have mentioned Bohm we can add his term 'active information' to designate what might be the content of eternity. The higher the level of active information the smaller the amount of energy required to control lower levels of active information.

The line of eternity is holistic while the line of time is 'partist' and localised. Einstein hated the holistic approach. The line of eternity includes such things as quantum entanglement or 'spooky action at a distance'. What we do know is that whatever the operation in eternity it must be *compatible* with causality. And, there must be many 'solutions' to the question 'what happens next?' rather than just one. For a simple mechanical pendulum there is only one, so no freedom. For a pendulum involving three attractors (e.g. three magnets placed below a pendulum bob made of metal that swings over them) there are an infinite number.

If we put the two reasons thus:

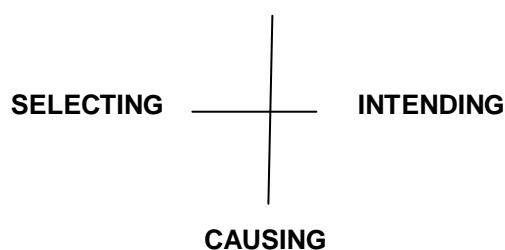
INFORMING



CAUSING

Then we can look for 'cross-terms' to relate them.

INFORMING



The left hand term relating to e.g. 'natural selection' i.e. running through all possibilities randomly (which also applies in physics as well as in natural selection). The right hand allows in intelligence.

In usual thinking, what we have been ascribing to eternity is given to *space*. E.g. DNA. But in regard to this we have to consider *reading* – as when DNA is read by RNA to generate proteins that govern cell activity. In a way, the cell is the 'reader' of DNA. As with human reading, a text has no meaning unless it is read. In this unusual way of thinking we are allowing ourselves to project what we take to be human experience and atypical of phenomena in general onto all phenomena. In other words, we are saying that 'literally' (pun intended) the cell reads.

The hyparchic function, if there is one, involves both reading and writing. Writing is of course actualisation ('What I have written I have written') while reading is multi-valued, depending on the reader. A reader exemplifies a *present moment*, which we will discuss later. Reading involves eternity.

In these reflections we are hovering around the prospect of harmonisation of multiple hyparxes (if I can coin the term). That is to say, involving the *coupling* of independent selves or *temporal loci*. We should remember that the word 'consciousness' can mean simply *knowing together*, where 'together' might apply to the multiplicity within a self or between selves. There is a shared present moment if people work together. More of this later.

The usual idea of 'free will' is naive and untenable. JGB was concerned with 'saving' this idea in some workable form. So we could just start reflecting on hyparxis as

What would make free will of any degree or kind possible in the existing universe?

I would consider this to be a truly burning question.