

# The Emergence of Neurocosmology

## Realizing the true nature of space-time as a factor in both the evolution of consciousness and physics

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The greatest problem in all science and even human thought has been differentiating between the reality of the external world and the mind that is interpreting the external reality of the world. In fact what is external to what? Science cannot be complete until this task has been accomplished. During the Scientific Revolution of the seventeenth century, the line of separation was made between Mind and Matter by Descartes. Mind represented that part of reality that could not be reduced to philosophical explanations which was the province of Matter. Mind thus included everything from God to life, human mind and consciousness and the living body. With the successes of Newtonian mechanics, the separation became a bit more specific – the differences between absolute space and time, “the Sensorium of God”, and relative space and time, which became the realm of Matter, measurement and mechanics, but science still adhered to the basics of the Cartesian doctrine even though they presented a false division for science and what science could consider scientific and ultimately expect to understand.

With advances in Newtonian science over the following two centuries, other sciences such as biology, sociology, chemistry (biochemistry), geology and psychology were carved out of the God and religion dominated realm of Mind, but even then the basic concept that human mind and consciousness were beyond understanding within Newtonian science and even early quantum theory and relativity remained steadfast in the scientific consciousness of the twentieth century. No one could justify how mind and consciousness could know and interpret either themselves or their overall relationship with the external world of matter described by physics.

However, over the past few decades as the science of the brain, neuroscience, and physics became more sophisticated, new attempts have been made to develop a physical theory of at least how mind and conscious awareness emerge in the electro-mechanical brain, if not a full blown physical theory of consciousness. These goals have now been accomplished, or at least a first physical theory has been developed. This new physical theory of consciousness is based on the single field theory that utilizes a five-dimensional quantized space-time continuum, but it is not completely dependent on this physical model of reality. Whether this particular theoretical model stands the tests of time and science intact is yet to be seen, but it has already been shown to imply (predict) changes in evolution theory that will prove important for the human species as a whole.

Single field theory (or SOFT) unifies relativity and the quantum, but it also represents far more than just the possibility of an emerging new paradigm in the science of physics. Once we, as scientists, begin to understand the mathematics and physics of the higher-dimensional embedding space that we inhabit, we, as human beings, will also begin to more easily realize and become directly aware of our actions within that higher dimension. This means that corresponding new neural

pathways will form within the human brain for just that purpose, the realization and experience of the higher fourth dimension of space. These neural pathways will render our older thought patterns more and more chaotic relative to the world experiences in which we have interpreted how our three-dimensional universe works and this mental chaos will continue to occur until a new complexity of consciousness amounting to a new evolutionary leap in the Homo species emerges. The evolution of human thought and progress in science normally run in tandem with each other, but this change will be far more dramatic as physical changes in the neural nets create a corresponding evolutionary leap in human existence. In other words, the next scientific revolution will be part of a corresponding emergence of a higher human species-wide level of consciousness similar to that which the human species experienced when we first began to understand both space and time within our external physical environment and Homo sapiens emerged more than 100,000 years ago.

In the far distant past, on the order of forty to sixty thousand years ago or more, we thought that we existed within a more holistic physical environment. We were not separate individuals within our overall physical environment. In other words, humans could not at first differentiate themselves from their surroundings and physical environment. In physical terms, we were not localized within our 'selves', such that we had no concept of 'self' such as that by which we now determine that we are beings with consciousness. When we first realized that we were indeed individual conscious beings, even though we were not yet advanced enough mentally to realize or even understand the concepts of mind and consciousness, we began to understand that our reality stretched beyond the horizon and limits out of our sight (some external part of nature was constant) as well as into the past and future beyond the local nature of our individually experienced present moment (we realized the concept of change and eventually time in nature) relative to the external material world.

At that time, when we realized and began to think about the concept of 'self', a unique individual localized in space and time, the concepts of human mind and consciousness began to develop and we differentiated ourselves from nature, our environment and other living beings. During that period of time, Homo sapiens first began to develop as a unique species with a new form of consciousness, but we have now come full circle and our individual consciousnesses have developed a more sophisticated sense of space-time so we as a species are again ready to take the next step in our mental evolution. So, simultaneous with the new revolution in science that goes beyond simple space-time, the human species will undergo a new evolutionary leap that is consciousness or top-down driven rather than bottom-up Darwinian or genetically driven, resulting in the eventual replacement of Homo sapiens by Homo paradoxus. As this occurs, the older Mind/Matter paradox will simply fade away and a new science of neurocosmology, the bridge between mind and matter, will emerge.